

LAMAR UNIVERSITY-BEAUMONT



0 00 01 1022135 5



Digitized by the Internet Archive
in 2025

https://archive.org/details/bwb_T5-CFU-815

OFFICIAL GAZETTE

DISCARDED

OF THE

UNITED STATES PATENT OFFICE

VOLUME 295

FEBRUARY

1922

LIBRARY OF
LAMAR STATE COLLEGE OF TECHNOLOG.

WASHINGTON
GOVERNMENT PRINTING OFFICE
1922

OFFICIAL GAZETTE

UNITED STATES PATENT OFFICE

LIBRARY OF

JAMAICA STATE COLLEGE OF TECHNOLOGY

CONTENTS.

PATENTS AND DESIGNS GRANTED, February 7, 14, 21, 28	Page.
TRADE-MARKS PUBLISHED AND REGISTERED, February 7, 14, 21, 28	3, 233, 469, 683
LABELS AND PRINTS REGISTERED, February 7, 14, 21, 28	179, 405, 629, 837
DECISIONS OF THE COMMISSIONER OF PATENTS, February 7, 14, 21, 28	225, 459, 666, 885
	227, 463, 667, 887

ANNOUNCEMENTS.

ADVERSE DECISIONS IN INTERFERENCE—Bunker, 1,332,027	Page.
Gammeter, 1,277,711	465
Helson, 1,253,820	889
Miller, 1,379,592	465
Smith, 1,337,670	1
Tweedale, 1,346,352	465
Winship, 1,335,309	890
APPLICATIONS—Condition of pending	889
CHANGES IN FEES—Effective April 19, 1922	2, 232, 468, 682
CLASSIFICATION BULLETIN No. 47—Announcement of publication of	681
CLASSIFICATION OF INVENTIONS—Changes in—Order No. 2,720	681
Order No. 2,721	227
Order No. 2,722	230
Order No. 2,723	230
Order No. 2,724	230
INTERFERENCE NOTICES—Coe & Hill	890
Erric, Henry	231, 467, 890
Goll Chemical Works, Bruno H	1, 231, 467
Meredith, Lawrence Dewey	231, 467, 890
Ohio Coffee & Spice Company, The	1, 231, 467
Railway Lock-Nut Company, The	890
Rattermann, Henry	890
Sager, Grace L	467, 890
Stiefel, Albert F	890
Thomas, George J	1, 231
PATENTS—List of Adjudicated	1
PATENT LAWS—Nolan Act—Reciprocity of Italian Laws—Order No. 2,725	227, 465, 888
Sections 487, 4883, 4898, 4906, 4921, 4934, as amended February 18, 1922	889
REPORT OF THE COMMISSIONER OF PATENTS FOR THE CALENDAR YEAR 1921	681
	667

TABLE OF CASES REPORTED.

	Page.		Page.
Associated Mortgage Investors, Inc. Ex parte	227	Macy & Co., Inc., R. H., v. The Macey Company,	
* Bljur v. Kennington	887	Inc.	463
* Inderrieden Canning Co. In re	887	Slivinski v. Lane	464

[Decisions of the Court of Appeals of the District of Columbia is indicated by one star (*).]

ERRATA.

19,997, (Trade-Mark Registrations Renewed,) page 665, line 3, after residence of registrants insert *Frederick Renziehausen, assignee*.

Alphabetical List of Registrants of Trade-Marks, No. 19,997, February 21, 1922, page xiv, first column, line 55, after residence of registrants, insert *assignors to Frederick Renziehausen*.

Texas
15

THE OFFICIAL GAZETTE

OF THE

United States Patent Office.

Vol. 295—No. 1.

TUESDAY, FEBRUARY 7, 1922.

Price—\$5 per year.

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, \$5.00 per annum; single numbers, 10 cents each.

Printed copies of patents are furnished by the Patent Office at 10 cents each. For the latter, address the Commissioner of Patents, Washington, D. C.

CONTENTS.

	Page.
ISSUE OF FEBRUARY 7, 1922	1
INTERFERENCE NOTICES	1
ADVERSE DECISIONS IN INTERFERENCE	1
APPLICATIONS UNDER EXAMINATION	2
PATENTS GRANTED	3
REISSUES	160
DESIGNS	161
TRADE-MARKS PUBLISHED (251 APPLICATIONS)	179
TRADE-MARK REGISTRATIONS GRANTED	217
LABELS	225
COMMISSIONER'S DECISIONS—	
Ex parte Associated Mortgage Investors, Inc.	227
ADJUDICATED PATENTS	227
CHANGES IN CLASSIFICATION	227

Issue of February 7, 1922.

Patents	781—No. 1,405,381 to No. 1,406,161, inclusive.
Designs	92—No. 60,301 to No. 60,392, inclusive.
Trade-Marks	238—No. 151,415 to No. 151,652, inclusive.
Labels	50—No. 23,980 to No. 24,029, inclusive.
Reissues	3—No. 15,280 to No. 15,282, inclusive.
Total	1164

Interference Notices.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., January 13, 1922.

George J. Thomas, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of E. Stebbins Manufacturing Company, Birnie Avenue, Springfield, Mass., for registration of a trade-mark and trade-mark registered July 12, 1910, No. 78,839, to George J. Thomas, 19 High Street, Boston, Mass., and a notice of such declaration sent by registered mail to said Thomas at the said address having been returned by the post-office undeliverable, notice is hereby given that unless said Thomas, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Assistant Commissioner.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., January 18, 1922.

Albert F. Stiefel, his heirs, assigns, or legal representatives, take notice:

An interference having been declared by this Office between the application of Paul O. Nutt, 4803 Grand Avenue, Des Moines, Iowa, for registration of a trade-mark and trade-mark registered September 10, 1912, No. 88,383, to Albert F. Stiefel, 5424 Second Avenue, Pittsburgh, Pa., and a notice of such declaration sent by registered mail to Albert F. Stiefel at the said address having been returned by the post-office with the word "Deceased" endorsed thereon, notice is hereby given that unless said Albert F. Stiefel, his heirs, assigns, or legal representatives, shall enter an appearance therein within

thirty days from the first publication of this order, the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Assistant Commissioner.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., January 31, 1922.

Lawrence Dewey Meredith, his assigns or legal representatives, take notice:

An interference has been declared by this Office between the application for patent of Lawrence Dewey Meredith, 1502 Fourth Street, North Minneapolis, Minn., and the application for patent of John J. Mahoney, 10 Fountain Street, Medford, Mass. The Office has been unable to secure service either upon Lawrence Dewey Meredith or on his assignee, Samuel Meredith, Minneapolis, Minn. Notice is therefore hereby given that unless said Lawrence Dewey Meredith, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., January 31, 1922.

Henry Erric, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of The Glidden Company, Cleveland, Ohio, for registration of a trade-mark and trade-mark registered March 10, 1908, No. 68,083, to Henry Erric, 96-98 Water Street, New York, N. Y., and a notice of such declaration sent by registered mail to Henry Erric at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Henry Erric, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

Adverse Decisions in Interference.

PATENT No. 1,379,592.

On November 21, 1921, a decision was rendered that John A. Miller was not the first inventor of the subject-matter covered by claim 6 of his Patent No. 1,379,592, subject, "Control-circuits for operating block-signaling devices and the like upon railways," and no appeal having been filed within the time allowed such decision has become final.

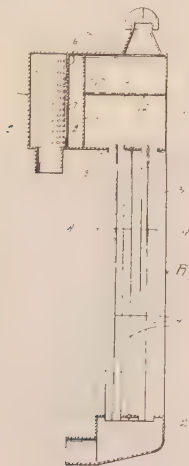
Condition of Applications Under Examination at Close of Business January 28, 1922.

Room No.	(Total number of applications waiting action, excluding Trade-Mark division, 62,311; Trade-Mark division, 6,808. Oldest new case, Dec. 27; oldest amended, Feb. 26, 1921.)	Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
			New.	Amended.	
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Flows; Planting; Scattering Unloaders.		July 29	Aug. 20	837
128	2. BALDWIN, M., Bee Culture; Dairy; Medicines; Pneumatics; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco; Trees, Plants and Flowers.		Mar. 7	May 5	1,824
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal-Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.		June 1	Mar. 31	1,046
234	4. MERRITT, A. D., Conveyers; Conveyers, Fluid-Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Hoisting; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.		Mar. 25	Aug. 29	1,702
167	5. MACNAB, J. F., Book-Making; Books; Strips and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.		Mar. 25	Apr. 27	1,016
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Explosive, Pyrotechnic and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.		June 6	Aug. 4	1,024
312	7. JARBOE, C. G., Games and Toys; Optics; Photography; Velocipedes.		May 12	Aug. 23	2,175
133	8. CLIFT, J. W., Beds; Chairs and Seats; Flexible-Sheet Securing Devices; Furniture; Kitchen and Table Articles; Store Furniture; Supports.		Nov. 1	Dec. 23	639
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid-Current; Pumps.		Jan. 10	Nov. 10	1,016
235	10. TRICHELL, T. H., Land-Vehicles; Land Vehicles, Animal Draft Appliances; Land-Vehicles—Bodies and Tops; Land-Vehicles—Dumping; Land-Vehicles, Wheel Substitutes; Motor Vehicles.		June 22	Nov. 3	1,292
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.		Oct. 10	Sept. 12	538
322	12. PIERCE, P. P., Machine Elements.		July 15	Oct. 13	1,004
829	13. NIXON, G. A., Bolt, Nut, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Tools and Implements, Making; Metal Working; Needle and Pin Making; Turning.		Feb. 4	Oct. 31	1,880
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal-Bending; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire-Working.		Apr. 6	Nov. 3	84
308	15. REDDOW, W. L., Bread, Pastry, and Confection Making; Glass; Laminated Fabrics and Analogous Manufactures; Paper-Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.		Feb. 24	Apr. 1	1,901
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony.		Feb. 14	Mar. 9	1,886
307	17. RAFTER, G. S., Coating, Label Packing and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet Feeding or Delivering; Type Setting.		Apr. 30	Sept. 22	1,123
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible Chamber Type; Power Plants; Speed Responsive Devices; Steam and Vacuum Pumps.		Feb. 4	Apr. 15	2,078
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Domestic Cooking Vessels; Thermostats and Humidistats.		Apr. 4	May 19	1,135
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure-Fasteners; Cutlery; Dentistry; Locks and Latches; Safes; Undertaking.		June 30	Aug. 18	1,701
212	21. THURBER, W. L., Continuous-Strip Feeding; Textiles; Textiles, Braiding, Netting, or Lace Making; Textiles, Cloth Finishing; Textiles, Fiber Preparation; Textiles, Knitting; Textiles, Spinning; Textiles, Twisting or Twining; Textiles, Weaving; Winding and Reeling.		Apr. 11	Sept. 22	792
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive Charge Making.		July 22	Oct. 13	522
217	23. GROESBECK, W. D., Acoustics; Coin-Handling; Horology; Recorders; Registers; Sound Recording and Reproducing; Time-Controlling Mechanism.		Feb. 12	Aug. 1	854
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing-Machines.		Apr. 8	Sept. 22	1,180
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal Bowl Separators; Mills; Threshing; Vegetable Cutters and Crushers; Gas Separation.		Oct. 13	Nov. 4	375
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime Mover Dynamo Plants.		May 17	Aug. 4	889
214	27. ANDERSON, L. S., Abrading; Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.		May 7	Aug. 2	1,759
225	28. BENSON, A. R., Internal-Combustion Engines.		Feb. 15	June 1	1,750
147	29. MORRIS, B. N., Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool Handle Fastenings; Wheelwright-Machines; Wood-Sawing; Wood-Turning; Woodworking; Woodworking-Tools.		May 5	Nov. 2	775
152	30. SULLIVAN, M. R., Illuminating-Burners; Illumination; Liquid and Gaseous Fuel Burners; Type-Printing Machines.		June 16	Nov. 2	1,587
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Fuel and Igniting Devices; Gas, Heating and Illuminating; Hides, Skins, and Leather; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar and Salt.		Feb. 3	Mar. 17	2,129
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.		Apr. 1	Oct. 12	1,056
70	33. COWLES, W. A., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs.		June 10	Aug. 29	792
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Despatch; Railways; Railway Rolling-Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track-Sanders; Vehicle-Fenders.		Oct. 25	Nov. 30	308
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.		Oct. 14	Oct. 7	742
204	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.		Aug. 22	July 29	1,582
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.		Apr. 18	Apr. 20	1,765
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping and Vermin Destroying; Mining, Quarrying, and Ice-Harvesting; Stationery; Stone-Working; Wells.		July 27	July 30	1,348
220	39. COWLES, A. W., Fluid Pressure Regulators; Joint Packings; Multiple Valves; Packed Shaft or Rod Joints; Pipe Joints or Couplings; Rod Joints or Couplings; Valved Pipe Joints or Couplings; Valves; Water Distribution.		Dec. 27	Apr. 6	2,193
273	40. OBERLIN, J. J., Baggage; Bottles and Jars; Check-Controlled Apparatus; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.		Feb. 23	Apr. 9	2,635
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels.		July 18	Aug. 18	831
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps.		Mar. 23	Mar. 14	1,677
382	43. HOPKINS, F. M., Baths and Closets; Dispensing; Dispensing Beverages; Electricity, Medical and Surgical; Fire-Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.		Mar. 1	Mar. 23	1,737
253	44. SHAFER, C. H., Air-Guns, Catapults, and Targets; Boats and Buoys; Filling and Closing Portable Receptacles; Marine Propulsion; Railway Draft Appliances; Refrigeration; Ships.		May 19	Nov. 12	539
379	45. GILES, A. H., Journal-Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices.		July 9	Oct. 5	1,160
332	46. WOLCOTT, C. L., Curtains, Shades and Screens; Educational Appliances; Fire-Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.		June 10	Oct. 8	1,298
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid Pressure Brake and Analogous Systems.		Apr. 15	Aug. 15	1,295
118	48. ROPKE, O. B., Electricity Conductors; Electricity, General Applications.		Jan. 17	Feb. 26	2,077
163	TRADE-MARKS, DESIGNS, LABELS AND PRINTS: T. L. MEAD, JR.				
	Trade-Marks.		July 7	Nov. 22	4,212
	Designs.		June 6	June 15	2,474
	Labels and Prints.		Jan. 10	Dec. 27	122

PATENTS

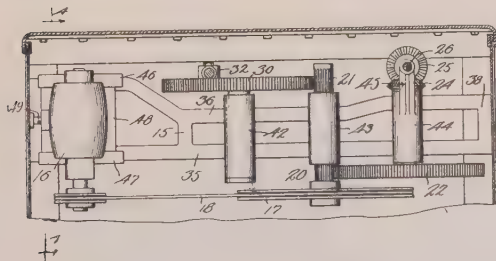
GRANTED FEBRUARY 7, 1922.

1,405,381. RADIATOR. HENRY F. ACKERMAN and JOHN F. HABBen, Palmer, Iowa. Filed Mar. 30, 1921. Serial No. 456,957. 3 Claims. (Cl. 257—125.)



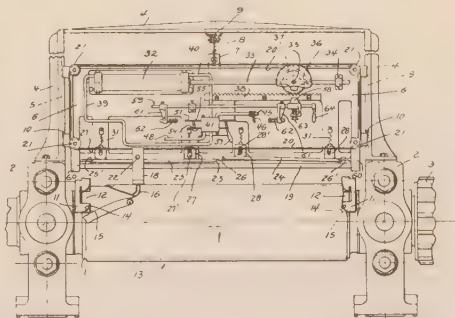
1. A radiator for a cooling system for an internal combustion engine embodying an upper tank, a lower tank and water tubes connecting said tanks, said tubes having their forward and rear portions restricted, said tubes being arranged in a plurality of series, the tubes of each series being transversely aligned, the tubes of one series being staggered with respect to the tubes of the adjacent series, each tube at all points being substantially equidistantly spaced from the adjacent tubes.

1,405,382. POWER-TRANSMITTING MECHANISM. ADOLPH F. ANDERSON, Chicago, Ill., assignor to Apex Appliance Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 7, 1919. Serial No. 336,363. 3 Claims. (Cl. 64—52.)



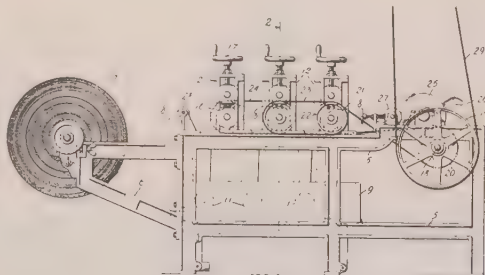
1. A power transmitting mechanism unit for driving a washing machine, having in combination an elongated base plate provided at one end with inturned guideways; a sliding, motor-supporting longitudinally adjustable plate within the guideways; a motor mounted on said sliding plate; three parallel transversely positioned inboard journal bearings arranged longitudinally in spaced relation on said base plate; a shaft supported in each said bearing; gearing connecting the shafts and means for connecting the motor to the gearing.

1,405,383. ATTACHMENT FOR MIXING MILLS. ADRIAN O. ABBOTT, Jr., Detroit, Mich., assignor to Morgan & Wright, a Corporation of Michigan. Filed Apr. 26, 1920. Serial No. 376,521. 21 Claims. (Cl. 18—2.)



1. A mill for plastic material having cooperating rolls, and means for rotating the rolls, in combination with means for severing and folding the material whereby it may be advantageously reworked.

1,405,384. MACHINE FOR MAKING STRETCHABLE CRINKLED PAPER. BARTLETT ARKELL, New York, N. Y., assignor to Arkell Safety Bag Company, New York, N. Y., a Corporation of New York. Filed June 12, 1919. Serial No. 303,659. 14 Claims. (Cl. 92—69.)

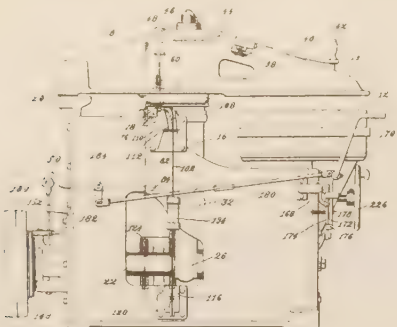


1. In a machine for making stretchable crinkled paper, the combination with a smooth faced receiving roll adapted to have paper deposited thereon and a doctor associated with the roll against which the paper is carried for crinkling, of wetting means and squeezing devices through which the paper passes before it reaches the receiving roll.

1,405,385. PRESS. MILTON H. BALLARD, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 5, 1919. Serial No. 308,779. 73 Claims. (Cl. 164—23.)

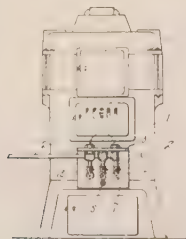
1. In a machine of the class described, presser members relatively movable with respect to each other into

different operative positions and toward and from each other in pressure-applying movements, and means com-



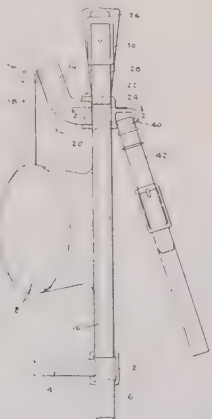
prising a cable for causing relative movement of the presser members into and out of selected operative positions.

1,405,386. GAS HEATER FOR FURNACES. FRED C. BALUSS, Duluth, Minn. Filed Oct. 23, 1920. Serial No. 418,911. 4 Claims. (Cl. 158—105.)



1. A burner of the character described comprising an inverted L-shaped supporting member, a plurality of perforated pipes removably attached to the body portion of the supporting member, means carried by the body-portion for attaching the burner to the furnace and a manifold gas pipe carried by the supporting member and supplying gas to the perforated pipes.

1,405,387. BRIDLE. EDWARD J. BARKDOLL, Garrison, Iowa. Filed Feb. 21, 1921. Serial No. 446,552. 1 Claim. (Cl. 54—6.)



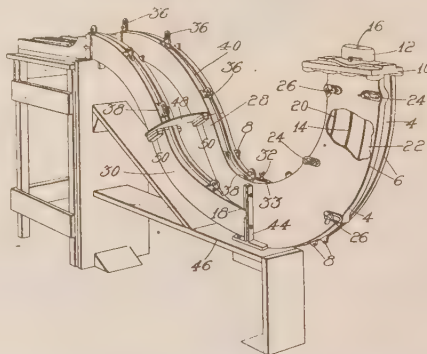
A bridle comprising a cheek piece a metal member having a lower arm to which said cheek piece is attached and an upper arm connected to said lower arm by a vertical portion, a crown piece attached to said upper arm, a screw connecting the forward ends of said arms,

a brow-band attached to said screw, an integral loop portion extending rearwardly from said vertical portion and a throat latch attached to said loop portion.

1,405,388. PRODUCTION OF MAGNESIA. HARRY P. BASSETT, Cynthiaana, Ky. Filed Jan. 17, 1921. Serial No. 438,052. 3 Claims. (Cl. 23—13.)

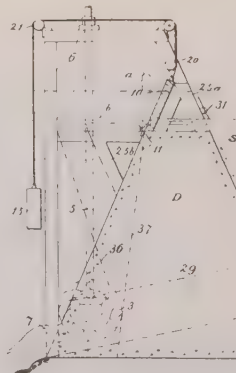
1. The process of recovering magnesia from materials containing magnesium chlorid which comprises submitting a mixture of magnesium chlorid and magnesia to heat at a temperature between 900° F., and 1200° F., in the presence of steam, and washing the resulting material to remove chlorine or chlorine compounds.

1,405,389. DELIVERY MECHANISM. WILLIAM C. BAXTER, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 23, 1919. Serial No. 312,814. 10 Claims. (Cl. 164—19.)



1. In a device of the class described, delivery chutes having blank receiving portions arranged side by side in one plane for receiving blanks from a plurality of sources of supply and having relatively offset portions ending in portions parallel to each other and with said plane and so arranged that the space above each end portion is unobstructed, for delivering the blanks to a table or other support in positions readily accessible to the workman.

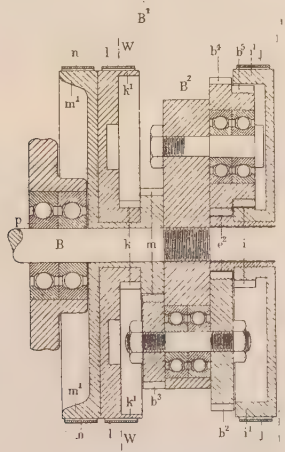
1,405,390. HYDRAULIC WATER GATE. JOSEF BERGDORF, New York, N. Y. Filed Oct. 29, 1920. Serial No. 420,351. 3 Claims. (Cl. 61—25.)



1. An automatic regulator for the height of a water level comprising a flow obstructing member, means for pivotally mounting said member at its lower edge, and means for normally maintaining said member in a position inclined in the direction opposed to the direction of flow of the water, said member being capable of moving from said position to a horizontal collapsed po-

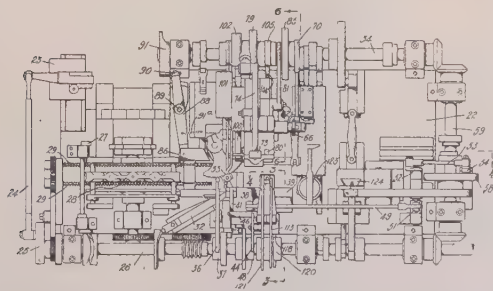
sition with the direction of flow, said last named means comprising a weight and pulley mechanism and tension means attached to the said member passed over said pulley and attached to the said weight, the said pulley being placed over and in line with the normal position of the said member, whereby the torque exerted by said mechanism on said member increases to a maximum and decreases during the movement of said member from its normal to its collapsed position.

1,405,391. CHANGE-SPEED GEAR. HENRI CONRAD BLANC-GARIN, Levallois-Perret, France. Filed Mar. 7, 1919. Serial No. 281,194. 3 Claims. (Cl. 74-34.) (Granted under the provision of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



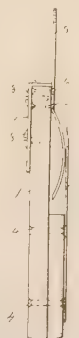
1. A change speed gear comprising a driving shaft, a driven shaft arranged in alignment with this driving shaft, a reversing shaft the axis of which coincides with that of the two previous shafts, a pinion loosely mounted on the driving shaft, a gear carried by the reversing shaft, a double epicyclic group of gears mounted on the driving shaft and gearing on the one hand with the said loosely mounted pinion and on the other hand with the gear carried by the reversing shaft, means for locking at will the loosely mounted pinion, a second pinion loosely mounted on the driven shaft, a second gear carried by the reversing shaft, a double epicyclic group of gears carried by the driven shaft and gearing, on the one hand, with the latter loosely mounted pinion and, on the other hand with the latter gear carried by the reversing shaft, and means for locking at will this latter loosely mounted pinion.

1,405,392. MACHINE FOR MAKING SAFETY PINS. GEORGE BODEN, Waterbury, Conn., assignor to Oakville Company, Oakville, Conn., a Corporation of Connecticut. Filed July 31, 1916. Serial No. 112,289. 44 Claims. (Cl. 163-7.)



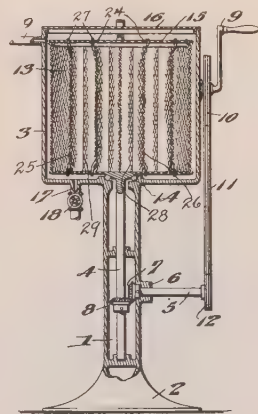
1. In a safety pin machine, and in combination, means for supporting a coiled pin blank, and means acting independently of the blank for assembling a guard with the coil of the blank.

1,405,393. SHINGLE GAUGE. IRVEN BONNELL, Madison, Wis. Filed May 9, 1921. Serial No. 468,147. 1 Claim. (Cl. 33-188.)



In a shingle gauge, the combination of a handle provided with a block at one end, with a resilient blade secured to the block and handle, a flat spring curved adjacent one end to engage the blade, and a slidable spacing gauge disposed on the top and at one end of the handle with means for securing the spacer in position.

1,405,394. DRIER AND DISHWASHER. ADA A. BRAUNER, Nampa, Idaho, assignor of one-half to Elizabeth Carnefix, Meridian, Idaho. Filed June 30, 1920. Serial No. 393,040. 2 Claims. (Cl. 141-9.)

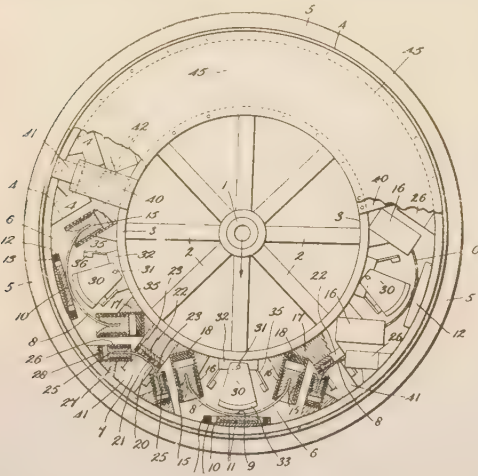


1. A dishwasher including with a receptacle adapted to contain water, a perforated drum revolvably mounted in said receptacle, a cover for said drum, said cover and the bottom of the drum having concentric rows of openings therein, and sleeve-like perforated drums to be received in said revolvable drum provided with pins on the upper and lower ends thereof received through the openings of the cover and bottom to hold the inner drums in fixed mounting.

1,405,395. RESILIENT VEHICLE WHEEL. JOHN A. BRENNAN, New York, N. Y. Filed Sept. 7, 1920. Serial No. 408,513. 4 Claims. (Cl. 152-32.)

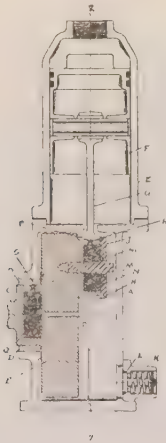
2. In a resilient vehicle wheel the combination of an inner rim; an outer rim normally concentric with said inner rim; a plurality of slide members carried by said outer rim; a spring carried by each of said slide members; a plurality of casings carried by said inner rim; slidable members carried by the ends of said springs and adapted to operate within said casings; means adapted to permit of eccentricity between said rims but to prevent relative

motion between them in a direction parallel to the wheel axis; and pendulous means carried by said inner rim



adapted to limit the motion of said springs, substantially as described.

1,405,396. LUBRICATING SYSTEM FOR EXPLOSIVE ENGINES. PROCTER BREVARD, Highland Park, Mich. Filed Nov. 1, 1920. Serial No. 421,008. 3 Claims. (Cl. 184—13.)

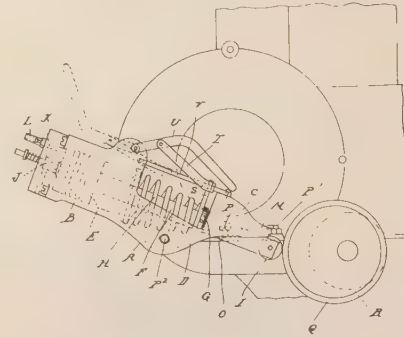


2. In combination with a crank case, a partially hollowed crank-head rotatably engaging therein, a piston and piston-rod operatively connected with said crank-head, a fibrous filling for said partially hollowed portions of said crank-head, and passages connecting said fibrous-filled portions of the crank-head with the interior of the crank case and with the bearings about said crank-head, whereby the mingled explosive and lubricating fluid fed into the crank case may be absorbed by the fibrous-filling within the crank-head, there to be separated by compression and expansion, and whereby the lubricating element may, when segregated, be thereafter guided to the bearing surfaces.

1,405,397. AIR PUMP FOR MOTOR VEHICLES. CLARE H. CAMBURN and WILLIAM E. CAMBURN, Tecumseh, Mich. Filed Nov. 24, 1919. Serial No. 340,397. 3 Claims. (Cl. 230—27.)

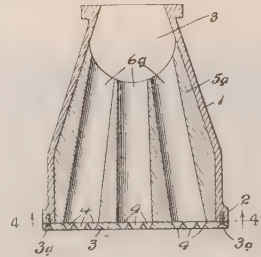
1. An air compressor for motor vehicles, comprising a member having a cylindrical portion and an extension in alignment therewith forming a guide, said extension

being adapted to fit against a portion of the engine casing and to be secured by bolts of said casing, a piston in said cylinder, a rod extending from said piston through said guide, a spring sleeved upon said rod having one end abutting against said cylinder, a collar on said rod form-



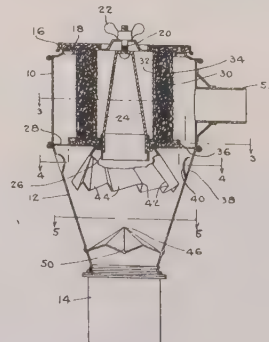
ing a bearing for the opposite end of the spring, means at the end of said rod for engaging a rotating portion of the engine to cause a reciprocation of the rod, and a toggle lever for engaging said collar to retract the same and said rod out of operative relation to said actuating member.

1,405,398. SAND-HOPPER CONSTRUCTION. DONALD J. CAMPBELL, Muskegon Heights, Mich., assignor of one-fourth to Robert B. Campbell, South Haven, Mich. Filed Mar. 21, 1921. Serial No. 454,194. 8 Claims. (Cl. 22—36.)



1. In combination, a hopper shell, and a filler located therein and detachably connected therewith, said filler having a plurality of sand passages therethrough, substantially as described.

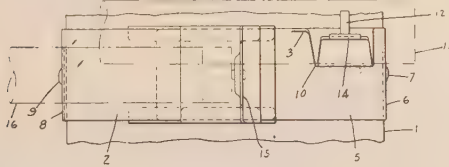
1,405,399. AIR CLEANER. FRANK A. DONALDSON, Minneapolis, Minn. Filed Mar. 10, 1921. Serial No. 451,172. 7 Claims. (Cl. 183—67.)



1. An air cleaner comprising a single casing member forming the outer wall of two superposed chambers with an opening extending centrally from one chamber into

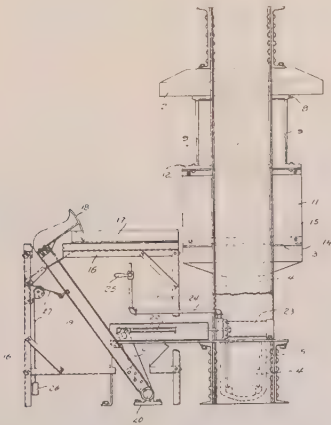
the other, means for admitting air directly through said wall into the first only of said chambers, means in said chamber for causing the admitted air to move centrifugally therein, air-outlet means connected with the second of said chambers, and a hollow filtering member removably held in the second chamber and being everywhere materially spaced from said casing wall and dividing the second chamber into two portions, one of which is in communication with the first chamber and the other of which is in communication with the air outlet means.

1,405,400. ADJUSTABLE SHADE AND BLIND HOLDER. WILLIAM DUNSON, Indianapolis, Ind. Filed Nov. 11, 1920. Serial No. 423,416. 4 Claims. (Cl. 156-24.)



2. In a combined shade and blind holder, a pole supporting arm, a rod supporting pin at the free end of said arm, a body portion integral with said arm and extending laterally in each direction from the arm, an anchoring member having at one end its edges bent over and forming channels for sliding engagement with said body portion, a roller supporting bracket, having at one end its edges bent over and forming channels for adjustable engagement with said anchoring member, and means for securing said arm and anchoring member to parts of a frame.

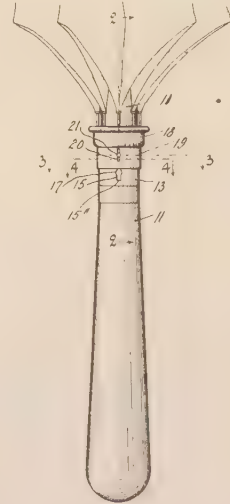
1,405,401. BALE CUTTER. ERNST EGER, Detroit, Mich., assignor to Morgan & Wright, a Corporation of Michigan. Filed May 22, 1920. Serial No. 383,375. 3 Claims. (Cl. 164-48.)



1. A rubber cutting machine having a cutting blade whose width is a substantial fraction of its length, a substantially flat material support free of walls confining the rubber against lateral spreading so as to restrict or prevent descent of the blade therethrough, and means for shifting the blade and support relative to one another whereby to sever the rubber.

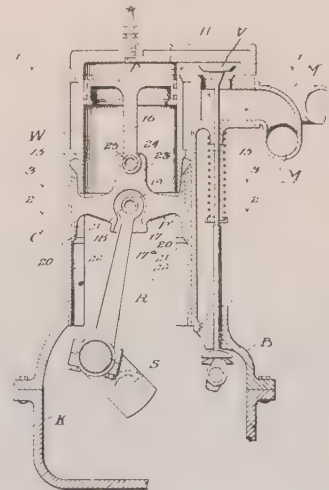
1,405,402. UMBRELLA-RIB-TIP RETAINER. FRIEDRICH C. ERNST, New York, N. Y. Filed May 4, 1920. Serial No. 378,854. 1 Claim. (Cl. 135-44.)
An umbrella rib-tip retainer, comprising a sleeve having a longitudinal slot provided with enlargements ad-

jacent its ends, and a cup having a cylindrical portion slidably disposed upon said sleeve, said cylindrical portion having a rib seated in said slot whereby said cup is prevented from rotation in relation to said sleeve, the



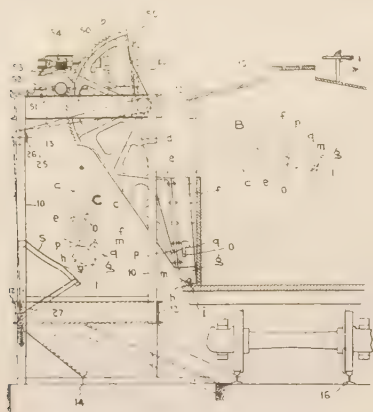
middle portion of said rib being provided with sidewardly extending projections adapted to enter the enlargements of said slot, whereby said cup is held locked in both of its extreme positions.

1,405,403. INTERNAL-COMBUSTION ENGINE. JOHN ESTES EVERETT and THOMAS RUSSELL EVERETT, Cochran, Ga. Filed June 24, 1920. Serial No. 391,361. 4 Claims. (Cl. 74-108.)



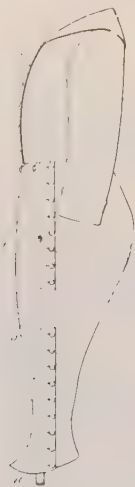
1. An internal combustion engine comprising, a main cylinder, a work cylinder arranged concentrically within the main cylinder, a work piston within the work cylinder, bearing plates secured to the inner wall of the main cylinder and disposed in overlapped relation with respect to the work cylinder, a bearing piston movable over said bearing plates and operatively connected to the work piston, a crank shaft, and a connecting rod operatively connecting said bearing piston to said crank shaft.

1,405,404. DOOR OPENER. EDWARD C. GAINES, Montreal, Quebec, Canada. Filed Sept. 9, 1919. Serial No. 322,766. 19 Claims. (Cl. 254—124.)



1. A door opening mechanism comprising a pair of arms fulcrumed to swing transversely to the plane of the door, the centre of gravity of each arm being located below its point of fulcrum, and means whereby the arms are swung.

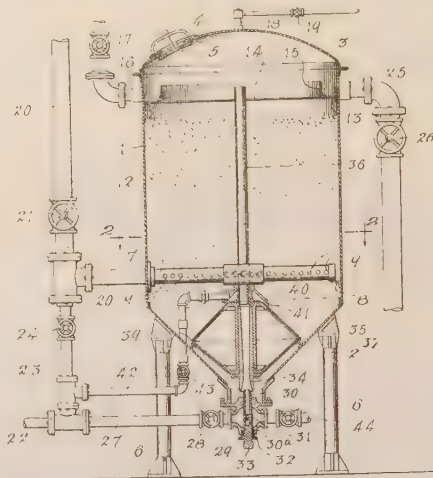
1,405,405. OUTER GARMENT. HARRY GENDEL, Chicago, Ill., assignor to Albert M. Docter, Chicago, Ill. Filed Feb. 5, 1921. Serial No. 442,611. 1 Claim. (Cl. 2—144.)



A child's outer garment comprising a jacket member for covering the upper portion of the body, said member having sleeves and a collar and being open all the way up and down in front, means for securing said member in closed position above the waist line, a portion of said member below the waist line forming a tail for said jacket, a lower garment secured to said jacket adjacent the waist line and covering the tail portion of said jacket, said lower garment comprising legs extending to the feet of the wearer and shaped at their lower ends to cover a portion of the wearer's feet, straps on the lower ends of said legs arranged to pass beneath the insteps of the wearer, the legs of said garment being open at their lower portions at the outsides thereof, fasteners for securing said open portions together, the upper portions of the legs of said garment being open at the sides in alinement with the openings at the lower outsides of the legs, fastenings for securing the lower openings of said lower garment together, and an elastic in the rear

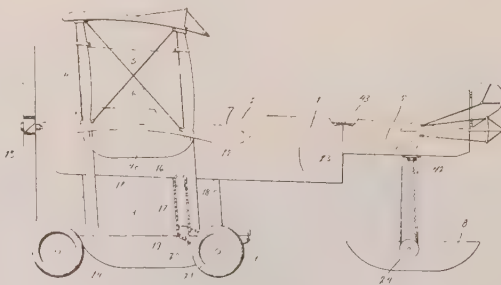
back portion of said lower garment adjacent the waist line for holding said portion snugly against the body of the wearer.

1,405,406. FILTERING APPARATUS. ALBERT L. GENTER, Salt Lake City, Utah, assignor to United Filters Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 8, 1919. Serial No. 329,248. 8 Claims. (Cl. 210—131.)



1. In a filter, the combination of a casing adapted to contain a granular filter material, a removable injector nozzle positioned to discharge upwardly within said casing, means for supplying wash liquid under pressure to said injector nozzle to agitate and cause circulation of the filter material within said casing, and means for adjusting said injector to provide requisite circulation at varying pressures of wash liquid supply.

1,405,407. AIRSHIP. FRANK GILL, Chicago, Ill. Filed June 30, 1920. Serial No. 392,938. 2 Claims. (Cl. 244—25.)

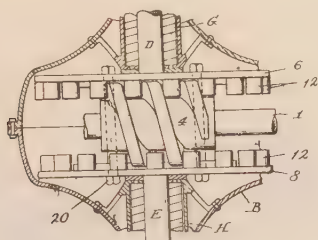


1. In an airship, a buoyant body, having a plurality of motors therein, means for controlling the operation of either or all of said motors, pairs of wheels attached to said body, respectively at the front and rear, means for transmitting power from one of said motors to said rear wheels, a buoyant body disposed between said wheels, means for controlling the rotation of said rear wheels in either direction, dirigible means for said front wheels, a second buoyant body below the main body and means for raising and lowering the last named body.

1,405,408. DRIVING MECHANISM. THOMAS A. GRIFFITH, Kansas City, Mo. Filed Dec. 19, 1919. Serial No. 346,037. 1 Claim. (Cl. 74—36.)

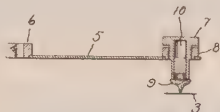
A driving mechanism consisting of a worm having one or more threads, a pair of disks connected together and

arranged at opposite sides of said worm, an annular series of pins projecting from a vertical face of each disk to successively engage the worm and be driven thereby, abutting annular flanges integral with the adjacent sides of the disks, bolts rigidly connecting the disks together, a spider mounted in said flanges to ro-



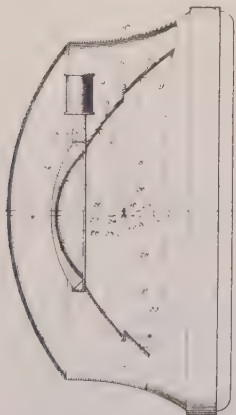
tate therewith, bevel gears spaced equal distances apart and journaled on the spider, a pair of bevel gears enclosed in the flanges and engaging opposite sides of the first mentioned gears to be driven thereby at equal or differential speeds, and two shafts of equal size having abutting ends and driven independently of each other by said pair of bevel gears.

1,405,409. RECORDING STYLUS. CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Original application filed Dec. 9, 1916, Serial No. 136,005. Divided and this application filed Oct. 30, 1919. Serial No. 334,433. 5 Claims. (Cl. 234—1.)



4. A stylus comprising a well forming member, and a stopper for the well made of porous wood, with the pores running in the direction of flow of a marking fluid in the well, said stopper being shaped to form the point of the stylus.

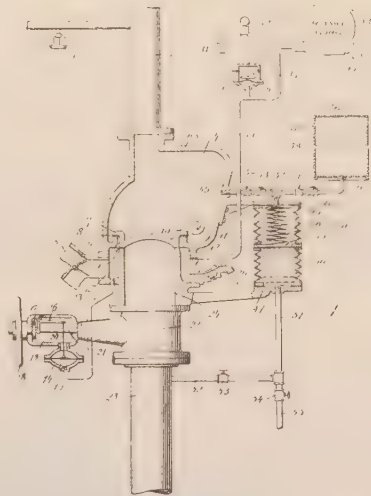
1,405,410. HEADLIGHT REFLECTOR. CROMWELL A. B. HALVORSON, Jr., Lynn, Mass. Filed Jan. 17, 1921. Serial No. 437,697. 5 Claims. (Cl. 240—41.)



1. A reflector comprising two reflecting surfaces of revolution arranged with their axes parallel, and with

their focal planes coincident, and means for relatively displacing said reflecting surfaces with their axes parallel and their focal planes remaining coincident.

1,405,411. AUTOMATIC PUMPING SPRINKLER SYSTEM. JOHN R. HAMILTON, Yonkers, N. Y., assignor to Sypho-Chemical Sprinkler Corporation, New York, N. Y., a Corporation of New York. Filed June 15, 1917. Serial No. 174,854. 19 Claims. (Cl. 160—5.)

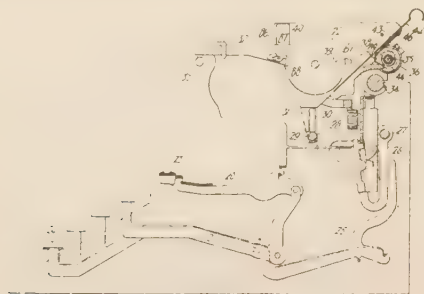


1. In fire extinguishing apparatus, a distributing system comprising automatic sprinkler heads and charged with non-freezing extinguishing liquid under pressure, a main water pipe connected to a water system under varying pressures to supply additional extinguishing liquid to said system under fire emergency conditions, a differential alarm valve between said distributing system and water pipe and comprising a drip chamber and alarm devices connected thereto, a valved steamer connection communicating with said system through said drip chamber, an automatic locking shut-off valve between said main water pipe and said alarm valve and an automatic pump to force additional amounts of non-freezing liquid into said distributing system to maintain the desired pressure therein, said pump comprising an expanding power chamber and an opposed pumping chamber formed of corrugated resilient material and a diaphragm pump piston between said chambers, a differential return spring acting on said pump piston, a valved pump connection between said power chamber and said main water pipe, a valved waste pipe communicating with said power chamber, a supply connection comprising a check valve and control valve between said pumping chamber and said distributing system, a liquid supply tank and a connection having a check valve between said tank and said pumping chamber.

1,405,412. TYPEWRITING MACHINE. WILLIAM F. HELMOND, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 5, 1919. Serial No. 280,724. 52 Claims. (Cl. 197—60.)

1. The combination with a carriage and a platen frame therefor, of a rocking frame connecting the carriage to the platen frame, said rocking frame comprising a hinge-rod or shaft, arms fixed upon the ends of said shaft and connected to said platen frame, bushings mounted upon the carriage and provided with interior grooves, balls running

in the grooves, cones upon said shaft to hold the balls, and means to effect relative adjustment of said bushings to



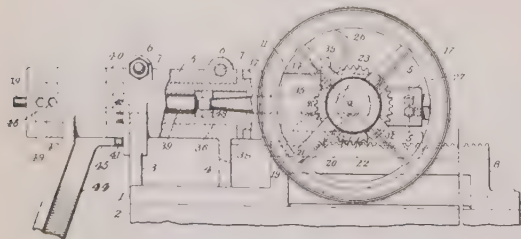
make a tight fit between the rocking frame and the carriage.

1,405,413. TYPEWRITING MACHINE. WILLIAM F. HELMOND, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 25, 1919. Serial No. 292,703. 21 Claims. (Cl. 197—82.)



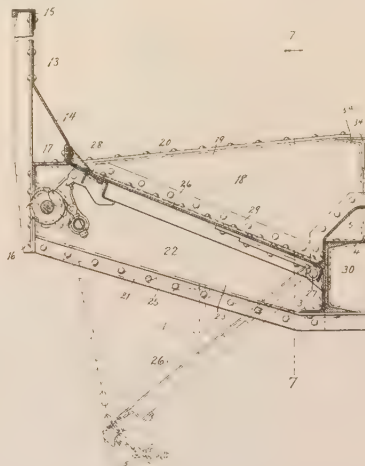
19. In a typewriting machine, the combination of a dog rocker, means for operating the dog rocker, means for varying the extent of throw of the dog rocker, and a device for varying the position of the dog rocker independently of said last-mentioned means while maintaining the same extent of throw thereof.

1,405,414. DRILL-TWISTING MACHINE. RICHARD HERVIG, Chicago, Ill., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed June 10, 1920. Serial No. 388,050. 10 Claims. (Cl. 153—78.)



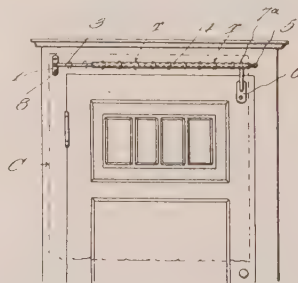
1. In a drill twisting machine, a base plate, a sleeve carriage adjustable on said base plate, a blank carrying sleeve carried by said carriage, means carried by said sleeve to hold the blank against rotation, a head carried by said base plate, a spindle in said head, means for rotating said spindle in said head and adjustable means on said head and co-operating means on said spindle for determining the degree of rotation of said spindle.

1,405,415. GENERAL-SERVICE RAILWAY CAR. OSCAR HOCHBERG, New York, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 3, 1919. Serial No. 335,866. 42 Claims. (Cl. 105—251.)



1. In a dumping car, side and end walls, a floor extending from wall to wall and composed substantially wholly of doors hinged longitudinally of the car at different levels, and a door operating shaft adjacent to and below the free edges of all of said doors.

1,405,416. CURTAIN ROD. CLEMENT J. HOWELL and LENNA B. ODSON, Spokane, Wash. Filed Mar. 17, 1921. Serial No. 452,997. 1 Claim. (Cl. 156—19.)

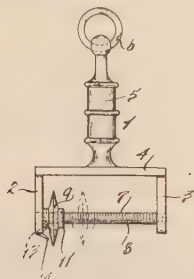


The combination with a stationary frame and a horizontally swinging closure hingedly mounted thereon, of a bracket element carried by the frame adjacent the hinged side of the closure and above the plane of the upper edge of the closure and having a frame-engaging base and an arm extending straight out from the base, a bracket element carried by said closure adjacent its free side and having a closure-engaging base and an arm extending out from its base and having its free end portion bent upwardly and at its end reduced to provide a pin, and a rod of telescoping sections having one end pivotally connected with the bracket of the frame for horizontal swinging movement and its second end portion provided with an opening receiving the pin at the free end of the bracket of the closure, the rod adjusting itself longitudinally through telescoping of its sections as the closure is swung from a closed to an open position and remaining in a horizontal position and in the same plane during swinging movement.

1,405,417. MAP METER. ARVID JANSSON, Brooklyn, N. Y. Filed Mar. 5, 1921. Serial No. 449,794. 4 Claims. (Cl. 33—141.)

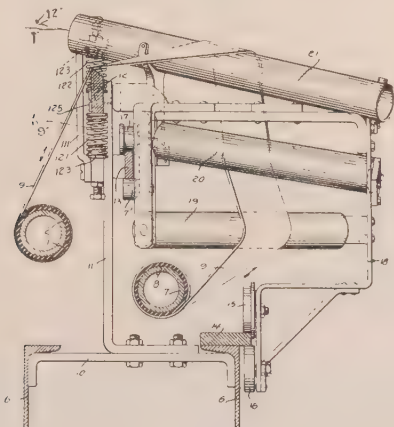
1. In a map meter, a movable carrier, a threaded spindle fixedly connected to the carrier, and a rotatable tracer ele-

ment threaded on the spindle, all arranged so that when the tracer is caused to follow a line, the carrier will be



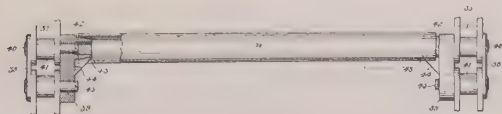
moved longitudinally of the axis of the tracer, thereby changing the distance between the tracer and ends of the carrier for the purposes of measurement.

1,405,418. METHOD AND APPARATUS FOR WRAPPING UNCURED TUBES FROM CURED TUBES. THOMAS A. JORDAN and ASA E. CAESBER, Indianapolis, Ind., assignors to G. & J. Tire Company, a Corporation of Indiana. Continuation of application No. 401,244 filed Aug. 4, 1920. This application filed May 4, 1921. Serial No. 466,794. 14 Claims. (Cl. 242—11.)



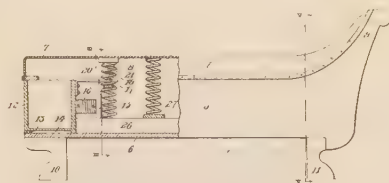
1. The method of manipulating fabric in the manufacture of tubular articles of vulcanizable rubber composition which consists in simultaneously and repeatedly removing a helically wound and overlapping strip of flexible material from a cured article and applying it smoothly to an uncured article, regardless of inequalities in the length of the respective edges of the strip consequent upon its repeated subjection to curing heats.

1,405,419. CONVEYER. JOSEPH F. JOY, Pittsburgh, Pa. Filed Aug. 19, 1920. Serial No. 404,493. 8 Claims. (Cl. 198—168.)



1. In an endless member of a chain and scraper conveyer, the combination with the usual pair of endless chains including inner and outer links, special inside outer links forming part of said chains at intervals and including inwardly projecting studs with webs extending therefrom, and a tubular scraper bar having its ends telescopically receiving said studs of adjacent pairs of special links and provided with end slots with the webs disposed therein whereby said bars are retained from rotation.

1,405,420. ARTICLE OF FURNITURE. BENEDYKT A. KASZINSKI, Fairfield, Conn. Filed Oct. 20, 1921. Serial No. 509,028. 12 Claims. (Cl. 155—188.)



1. In a couch construction, a frame having a flexible covering with internal supporting springs for the covering, a drawer slidable in the frame, means to automatically open said drawer, and means to latch the drawer in closed position against the action of said last named means including a member operable upon depression of one of said springs for releasing the drawer.

1,405,421. WORK GARMENT. GEORGE E. KECK, Kansas City, Mo., and FRED K. CUDDY, Amarillo, Tex. Filed Feb. 21, 1921. Serial No. 446,541. 4 Claims. (Cl. 2—144.)



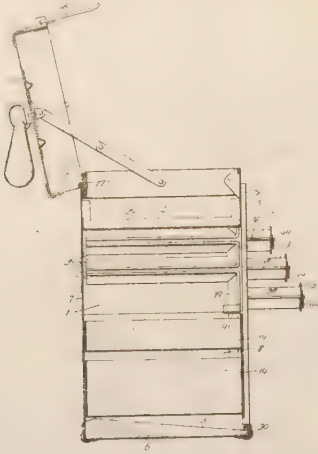
1. Two-piece overalls consisting of a jumper and trousers, the trousers having a waist band, the jumper having a skirt to fit inside the waist band, a protective band connected to the jumper to fit over the waist band, tabs in the crotch between the skirt and the protective band, and means carried by the trousers to engage the tabs, the trousers to engage the tabs, the trousers, when attached, lying between the skirt and the protective band, the skirt and protective band extending entirely around the jumper.

1,405,422. METAL TOOL KIT FOR MECHANICS. HOWARD L. KENNEDY, Van Wert, Ohio. Filed June 11, 1920. Serial No. 388,186. 11 Claims. (Cl. 220—66.)

1. A sheet metal receptacle the walls of which have their upper edges folded down and lapped against their outer edges, and which below the tops thereof are provided with a double folded loop to produce an external shoulder and cover said edges, and a cover therefor having downturned marginal flanges adapted to rest upon said shoulders when the cover is closed.

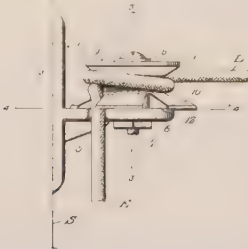
11. A rectangular sheet metal receptacle comprising integral bottom, side and rear walls, a removable false front-wall, said side and front walls having their respective top edges provided with double folded loops to provide horizontal external shoulders, said front-wall having its

lower edge removably attached to the receptacle, a cover hinged on the rear-wall and provided with downturned



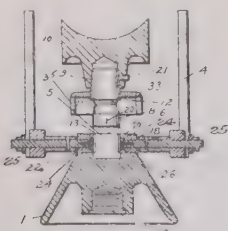
front and side marginal flanges adapted to embrace the top edges of said side and front-walls and rest upon said shoulders when the cover is closed.

1,405,423. LINE FASTENER. LAWRENCE O. LARSON, Minneapolis, Minn. Filed Mar. 3, 1921. Serial No. 449,592. 2 Claims. (Cl. 24—132.)



2. A clothes line fastener comprising a substantially T-shaped bracket, the head member of which is equipped with notches in its opposed end and a shank provided with a terminal disk, a pulley, rotatably mounted on said disk with the flange thereof adjacent the disk of greater diameter than the other flange, said wider flange being provided with a plurality of V-shaped notches in the periphery thereof, and said shank having a similarly shaped notch underlying the notched flange for co-operation therewith to secure a line in adjusted position.

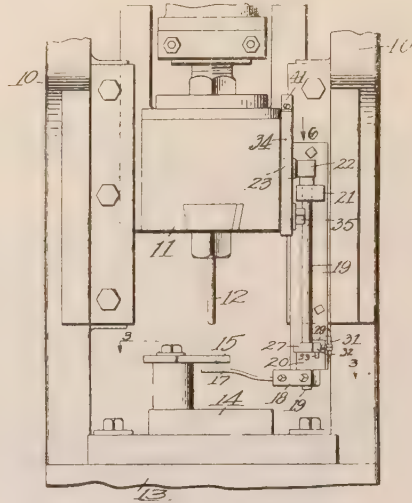
1,405,424. GRINDING TOOL. ALBERT E. MAYNARD, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed May 20, 1920. Serial No. 382,801. 3 Claims. (Cl. 51—109.)



1. A device of the character described comprising a base portion having an upstanding collar, bearing blocks

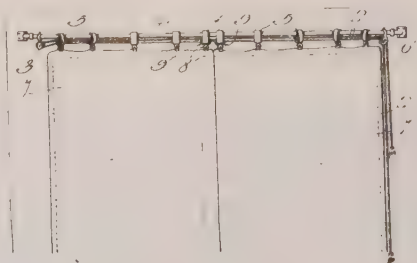
detachably associated with the collar, rocking guide arms carried by the bearing blocks, and a tool stud having a portion secured within the collar and a portion engaging the blocks for retaining the latter in position.

1,405,425. EJECTING MECHANISM FOR DIE PRESSES. WILLIAM H. NEEDHAM, Worcester, Mass., assignor to Boston Pressed Metal Co., Worcester, Mass., a Corporation of Maine. Filed Apr. 13, 1918. Serial No. 228,442. 4 Claims. (Cl. 113—50.)



1. An ejecting mechanism for presses having a punch and a stripper, comprising an ejector, a vertical shaft to which said ejector is fixed, an arm fixed to said shaft, an actuator movable with said punch and effectively engaging said actuating arm to give said ejector an abrupt positive operative movement on upward movement of said punch only, and means separate from said punch effective to restore said ejector, shaft and arm to normal position.

1,405,426. PULLEY-CORD CLIP. LENNA B. ODSON, Spokane, Wash. Filed Apr. 7, 1921. Serial No. 459,326. 5 Claims. (Cl. 156—20.)



4. In a curtain support, a ring, a cord passing through the ring, and a pliable clip carried by the cord and passing through the ring and having its end portions bent about the ring and provided with prongs clinched in engagement with the cord.

1,405,427. APPARATUS FOR BUILDING CORD TIRES. CHASE F. OFFENSEND, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Original application filed May 6, 1921. Serial No. 467,413. Divided and this application filed Aug. 26, 1921. Serial No. 495,485. 6 Claims. (Cl. 18—45.)

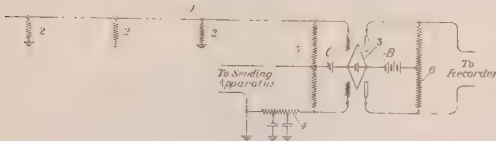
1. A tire casing mold core embodying a ring-shaped former having a relatively narrow annular inwardly extending web and outwardly flaring side walls for shap-

ing the inner faces of the bead carrying portions of a tire, said ring core having on its inner face an annular



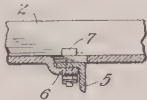
chuck arm engaging recess having a concave peripheral seat, an endless elastic hollow core body carried by said seat, and inflating means for such body.

- 1,405,428. SIGNAL-TRANSMITTING SYSTEM. HAROLD S. OSBORNE, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 21, 1918. Serial No. 241,247. 2 Claims. (Cl. 178-44.)



1. The method of increasing the efficiency of transmission in circuits of normally great distortion, which consists in correcting the wave form of transmitted impulses at intervals along the line as the wave progresses at the expense of current strength, but without reducing the speed of the signals, and amplifying the wave form of the faint received impulses without substantial alteration of wave form.

- 1,405,429. BRAKE-BEAM SAFETY SUPPORT. ALLEN E. OSTRANDER, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed June 2, 1920. Serial No. 385,990. 7 Claims. (Cl. 188-210.)

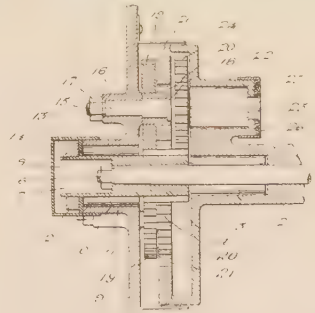


1. In a railway car truck, a spring plank having a portion of its web cut free on three sides and bent to lie in a plane parallel to the plane of the web and a brake beam safety support having one flange carried between said free portion and the underside of the web.

- 1,405,430. GEAR DRIVE FOR TRACTION WHEELS AND JACK SHAFTS. CHARLES OWENS, Chattanooga, Tenn. Filed Apr. 15, 1920. Serial No. 374,154. 6 Claims. (Cl. 74-7.)

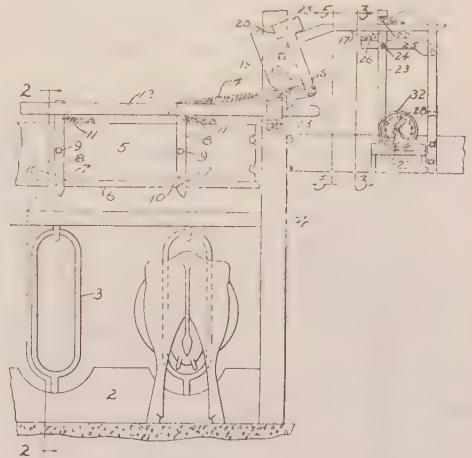
3. In combination a load bearing axle driven through differential mechanism, a traction wheel journaled to turn

about the said axle, gearing between the load bearing axle and traction wheel to propel the vehicle, a jack shaft and gearing between the said load bearing axle and jack



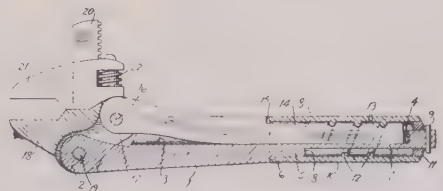
shaft whereby the latter will be driven from and synchronize with the various seeds of said axle, in turning corners, substantially as described.

- 1,405,431. AUTOMATIC STOCK-FEEDING APPARATUS. CARL P. PAULY, Sauk Center, Minn. Filed May 6, 1921. Serial No. 467,374. 5 Claims. (Cl. 161-10.)



5. The combination, with a manger, of a feed hopper supported above the same and having a hinged bottom, means for normally locking said hinge bottom in its closed position, a sliding bar for tripping said locking means, a hammer mounted to engage and actuate said bar, and a time piece operated trip mechanism for moving said hammer to its actuating position.

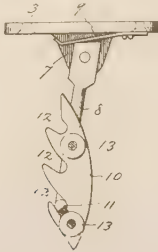
- 1,405,432. WRENCH. CARL PETERSON, Bridgeport, Conn. Filed Mar. 30, 1921. Serial No. 456,904. 3 Claims. (Cl. 81-164.)



1. In a wrench, a longitudinally grooved shank, a rotary handle at one end of said shank and formed interiorly with raised threads, a notched pitman slid-

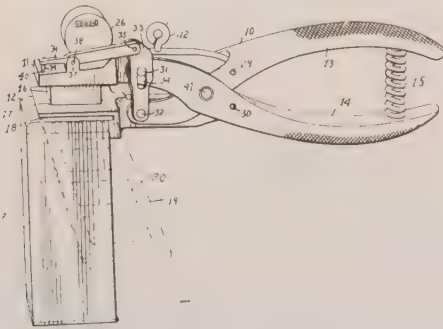
able in the grooved portion of said shank and extending into said handle, the notches thereof receiving the threads of said handle, a jaw fulcrumed to said shank and connected to said pitman, a rack integral with said jaw, a second jaw slidable upon said rack, and a thumb nut connecting said second jaw and rack.

1,405,433. LID ADJUSTER AND SUPPORT. CARL PETERSON, Newcastle, Ind. Filed Dec. 10, 1921. Serial No. 521,279. 3 Claims. (Cl. 217—60.)



1. The combination of a receptacle having walls, and a lid hinged to one of the receptacle walls, of a lid-adjuster and support comprising a bar pivotally secured to the lid and terminating at its free end with a hook, spring means for holding the bar at a normal position, and a locking-plate secured to a wall of the receptacle, said plate having notches into which the hook on the bar is pressed by the spring upon raising the lid.

1,405,434. RAILWAY-TICKET-RECEIPT PUNCH. GUST C. PETERSON, Jamestown, N. Y. Filed Sept. 10, 1920. Serial No. 409,445. 6 Claims. (Cl. 235—46.)

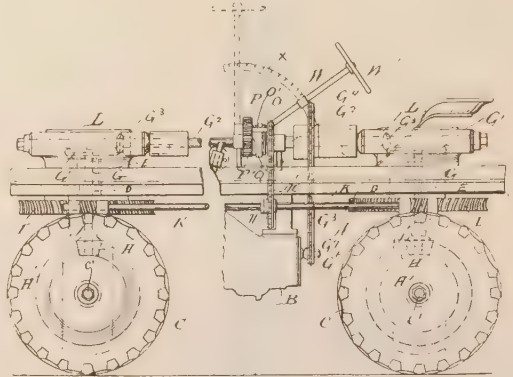


1. A double railway ticket punch comprising parallel jaws having handles attached thereto to actuate the same, a punch on the under side of the upper jaw, a die in the lower jaw to receive said punch to cut a portion from the ticket, a plate pivotally attached to said upper parallel jaw and pivotally and slidably attached to a pin on said upper jaw, a transfer punch bar pivotally attached to the upper end of said plate and pivotally supported on said upper jaw a spaced distance from the upper end of said plate, said punch bar having a punch on the forward end thereof, said jaw having a die opening therein to actuate said punch by pressing together the handles thereof, substantially as and for the purpose specified.

1,405,435. STEERING MECHANISM. CHARLES B. POST, New London, Ohio. Original application filed Jan. 2, 1919, Serial No. 269,200. Divided and this application filed Mar. 21, 1919. Serial No. 283,979. 8 Claims. (Cl. 180—80.)

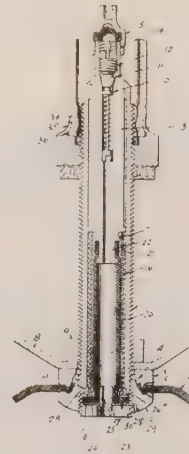
1. In a steering device in combination, parallel drive and steering shafts, a clutch member rigidly fixed upon

the drive shaft, a slidable clutch member upon each side thereof, drive mechanism for said steering shaft, alternately connectible with said slidable clutch members to drive said steering shaft in opposite directions, a recip-



rocating member for operating said clutch members, a steering rod and means for operatively connecting said steering rod and said reciprocable clutch operating means.

1,405,436. TIRE GAUGE. ISIDORE PULVERMAN, Warren, Pa. Filed May 29, 1920. Serial No. 385,315. 7 Claims. (Cl. 152—11.5.)



1. In a tire gauge, the combination of a hollow stem having its exterior screw-threaded, the screw threads being extended throughout the major portion of the stem and to the inner end thereof; a head screwed on to the inner end of the stem; means for clamping a tire tube on the head; a plunger in the stem; an inflation valve in the plunger; a spring secured to the plunger and at the inner end of the stem; an elastic tube secured to the plunger and having a flange positioned in the head at the end of the stem; and a screw in the head clamping the flange.

1,405,437. AIR STRAINER FOR INTERNAL-COMBUSTION ENGINES. JAMES P. QUAM, Chicago, Ill., assignor to United Manufacturing & Distributing Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 27, 1919. Serial No. 273,415. 2 Claims. (Cl. 183—67.)

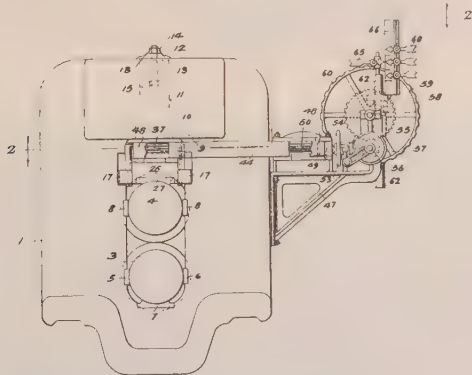
1. An air straining carbureter attachment comprising in combination a drum-shaped centrifuge chamber having a lateral inlet aperture and on its upper side an upwardly facing central discharge aperture provided with an upwardly extending short tubular rim having a beaded

top, a foraminous pouch-like strainer having a mouth part embracing and secured to said rim, a detachable air-tight chambered casing mounted on the frame of



said chamber and enclosing said strainer, and means adapted for conducting the purified air from said casing to the carbureter.

1,405,438. ROLLING-MILL BEARING. JOHN N. QUINN, Cincinnati, Ohio. Filed Jan. 15, 1920. Serial No. 351,718. 23 Claims. (Cl. 64—52.)

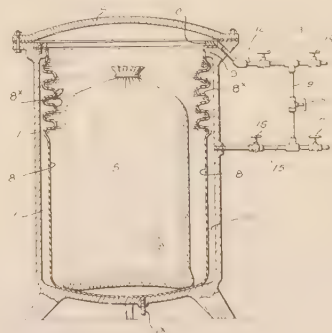


1. In a rolling mill, a pair of housings, a pair of rolls journaled in said housings, one of said rolls movable in said housings for roll separation, bearing and abutment means mounted in each of said housings for said movable roll, respectively comprising a bearing block guidingly supported with the housing engaging and moving with said roll, a stationary abutment member fixed within said housing, a movable abutment member intermediate said stationary abutment member and bearing block, and a plural series of tapering plates intervening said abutment member, and cooperating for moving said movable abutment member toward or from said stationary member.

1,405,439. PREPARATION OF AND THE MIXING OF PIGMENTS WITH RUBBER AND THE LIKE. CHESTER J. RANDALL, Naugatuck, Conn., assignor to The Goodyear's Metallic Rubber Shoe Company, a Corporation of Connecticut. Filed Mar. 24, 1917. Serial No. 157,128. 8 Claims. (Cl. 106—23.)

1. The process of compounding rubber, comprising mixing with the same a mass of pigment in which the particles are bound together by a binder disseminated uniformly throughout the mass of the pigment.

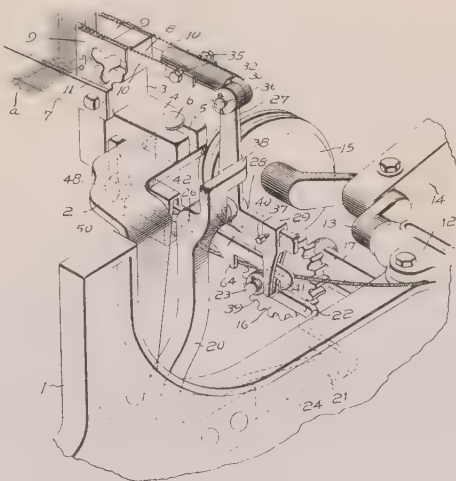
1,405,440. PROCESS FOR SOLIDIFYING PULVERULENT MATERIAL. CHESTER J. RANDALL and RICHARD R. TAYLOR, Naugatuck, Conn., assignors to The Goodyear's Metallic Rubber Shoe Company, a Corporation of Connecticut. Filed July 26, 1919. Serial No. 313,660. 6 Claims. (Cl. 100—56.)



1. The process of compacting pulverulent material which consists in simultaneously pressing the particles of the material together, and exhausting air from between them.

6. A process for treating carbon particles comprising placing them in a flexible container constructed to permit the passage of air therefrom, placing the container in a receptacle having yieldable walls or sides, evacuating the receptacle, compressing the yieldable walls or sides against the container by fluid pressure to cause the carbon to be compacted, and simultaneously continuing the exhaustion of air from the container.

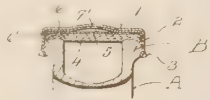
1,405,441. WARP STOP MOTION FOR LOOMS. ALONZO E. RHOADES, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed July 16, 1921. Serial No. 485,156. 10 Claims. (Cl. 139—92.)



6. In a warp stop motion for looms the combination of a fixed toothed bar, a movable toothed bar, a series of warp detectors which are hung upon and normally supported in raised position by the warp threads, an actuator, a rocker mounted on the actuator and connected to the movable toothed bar to impart thereto a detecting stroke in one direction and an idle stroke in the opposite direction, means normally acting upon the rocker to prevent rocking movement of the rocker as the actuator makes its detecting stroke and permit such rocking movement

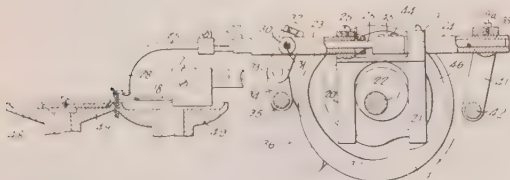
without injury to a warp detector when a warp detector is dropped by a warp thread breaking or becoming too slack, and means operated on the detecting stroke of the actuator to effect loom stoppage when the movable toothed bar is arrested by a detector.

- 1,405,442. MUCILAGE-CAP STRUCTURE. ROBERT R. RITZ, Milwaukee, Wis. Filed Mar. 18, 1921. Serial No. 453,239. 1 Claim. (Cl. 215-38.)



A closure for mucilage, glue or paste bottle, the same having an annular lip about its mouth the closure including a removal cap shell having a down-turned flange to be crimped about the bottle lip, a centrally apertured cupped disk nested within the cap shell, a gasket nested within the cupped disk and engaging the bottle lip, and a normally flush tongue cut from the central portion of the cap shell body and extending back to the cap flange, the tongue being for removal by breakage through the flange upon its cut lines, whereby the cap shell is removed from the bottle, the centrally apertured disc being thereafter removed from said cap shell and fitted with a stem or a spreader for a temporary removable closure for said bottle mouth.

- 1,405,443. SEWING MACHINE. PAUL P. RUHE, Hoboken, N. J., and WILLIAM A. SONEN, New York, N. Y. Filed Dec. 31, 1920. Serial No. 434,280. 2 Claims. (Cl. 112-16.)

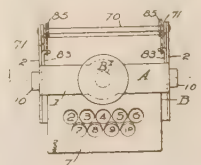


1. An overseaming sewing machine including a reciprocating needle, a looper and a floating support comprising front and rear end members for pivotally carrying said looper and an intermediate yoke secured to said end members, means co-acting with said yoke to reciprocate the floating support, links arranged to move in an arcuate path pivotally secured to one of said end members, toggle links operatively engaging the other of said end members, and means for moving said toggle links to move the looper toward and away from the needle.

- 1,405,444. HAND STAMP. MAX RUMPF and WILLIAM E. NIMZ, Chicago, Ill.; said Nimz assignor to said Rumpf. Filed Jan. 21, 1921. Serial No. 438,832. 29 Claims. (Cl. 101-108.)

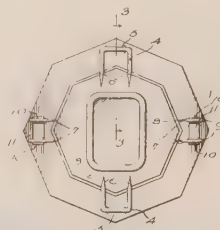
1. In a hand stamp in combination with a frame and plunger for reciprocating the stamp bearing member, a rotor having a multiplicity of paraxially extending faces for carrying printing means; means for automatically adjusting the rotor to set a selected printing face at printing position; a cylindrical segment mounted on the plunger for oscillation about the segment axis; a spring which reacts for rocking the segment away from a pre-

determined normal position; a catch for locking the segment in said normal position; a plurality of manual keys mounted on the plunger and means by which each of the keys releases the catch; stops distributed along the length of the segment and at graduated angular intervals



there-around, keys having means positioned in the paths of movement of the stops respectively in the rocking of the segment for encounter of the respective stops when the keys are operated for releasing the catch, and means by which the rocking of the segment proportionately rotates the motor.

- 1,405,445. GARMENT SUPPORTER. MALLE LITTLE RUSSELL, Philadelphia, Pa. Filed Apr. 5, 1921. Serial No. 458,799. 2 Claims. (Cl. 24-87.)



2. A garment holder comprising a body portion, main fasteners arranged adjacent the top and bottom thereof, said main fasteners comprising substantially U-shaped members, the base of the U-shaped member being secured to the body portion and the arms thereof being curved to slightly space the fastener from the body portion, the ends of said arms being pointed, and auxiliary fasteners arranged adjacent the edge of the body portion and intermediate said main fasteners, each of said auxiliary fasteners comprising a plate having a sleeve formed on each side thereof, and a fastening member secured in each of said sleeves, said fastening member comprising a piece of wire having one end arranged in the sleeve, the intermediate portion thereof being looped and the other end arranged over the sleeve and pointed, the pointed ends of the auxiliary fasteners being spaced at greater distance from the body portion than the pointed ends of the main fasteners.

- 1,405,446. VAT DYESTUFFS AND PROCESS OF MAKING SAME. JULIUS SCHMIDLIN, Basel, Switzerland, and WALTER BRUNNER, Mainkur, near Frankfurt-on-the-Main, Germany. Filed Sept. 5, 1921. Serial No. 498,596½. 4 Claims. (Cl. 8-1.)

1. The process of manufacturing new vat dyestuffs by heating with alkaline sulfides the m-nitroarylides of the halogenated benzoquinones (obtained by condensation of the halogenated benzoquinones with m-nitroarylamines.)

- 1,405,447. PUMPING VALVE FOR OIL WELLS. EDWARD SCHNELL, Bartlesville, Okla. Filed Mar. 29, 1921. Serial No. 456,683. 6 Claims. (Cl. 103-04.)

1. A pumping attachment for oil wells comprising a hollow body portion, a flanged cylindrical extension separably attached to the body portion, and a cylindrical casing

separably mounted upon the extension and fixed rigidly against the flange thereof and extending about and spaced



from the body portion for trapping sand and other material.

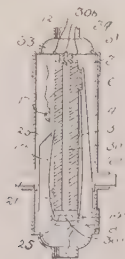
1,405,448. CELLULOSE ETHER COMPOSITION. PAUL C. SEEL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 25, 1921. Serial No. 447,800. 8 Claims. (Cl. 106—40.)

1. A composition of matter comprising a cellulose ether and ethyl butyrate.

1,405,449. CELLULOSE-ETHER SOLVENT AND COMPOSITION. PAUL C. SEEL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed June 9, 1921. Serial No. 476,306. 7 Claims. (Cl. 134—79.)

1. A solvent for cellulose ether, comprising a mixture of benzol and methyl acetate.

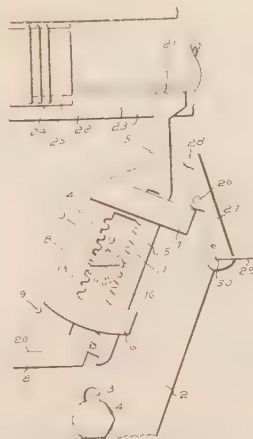
1,405,450. AUTOMATIC CONTROL OF THE CIRCUITS OF ELECTRIC HEATING APPARATUS, ETC. MILTON H. SHOENBERG, San Francisco, Calif., assignor to Majestic Electric Development Company, a Corporation of California. Filed July 8, 1919. Serial No. 309,433. 6 Claims. (Cl. 200—116.)



4. A switch for controlling the circuit of an electric translating apparatus, comprising a pair of spring contact blades, a latch normally in the path of movement of one of said blades, means for moving the blades across said latch whereby one will be retained thereby, manually actuated means for releasing the latch, and an automatic latch releasing device embodying a thermal wire normally holding said latch in restrained position, said device operating to automatically push the latch outward upon the flow of a critical current through the thermal wire.

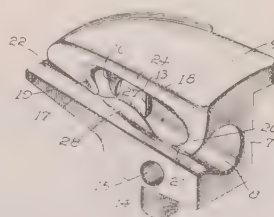
295 O. G.—2

1,405,451. FEELER MECHANISM FOR LOOMS. ISAAC SNOW, Lawrence, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed July 22, 1920. Serial No. 398,256. 17 Claims. (Cl. 139—85.)



1. In a feeler mechanism for looms, the combination of a feeler supported in a position and for movement inclined to the longitudinal axis of the shuttle and held from movement along the filling carrier by engagement with the filling on a detecting beat until substantial exhaustion of filling, means actuated by the movement of the feeler along the filling carrier when the filling is substantially exhausted for effecting replenishment of filling, a spring, and rack and pinion connections between the spring and feeler constructed and arranged to move the feeler into its rearward inclined position and permit the feeler to move forwardly and in a direction longitudinally of the shuttle.

1,405,452. AUTOMATICALLY-THREADING LOOM SHUTTLE. ISAAC SNOW, Lawrence, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Sept. 2, 1921. Serial No. 497,844. 9 Claims. (Cl. 139—46.)



3. A threader for automatically threading loom shuttles having longitudinally extending thread passage, a thread directing top guide having two downwardly extended hooks forming a side entrance to the thread passage, and a guard extending upwardly into the space between the downwardly extended hooks.

1,405,453. METHOD OF MAKING SOLES FOR TURNED SHOES. ALBERT A. SOMERVILLE, Flushing, N. Y., assignor to New York Belting and Packing Company, a Corporation of New York. Filed Nov. 6, 1917. Serial No. 200,600. 1 Claim. (Cl. 12—146.)

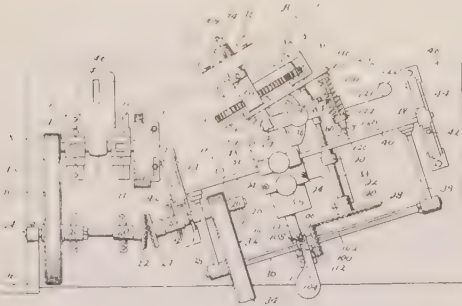
The method of forming a vulcanized rubber sole for turned shoes embodying the step of placing an unvulcanized rubber sole blank faced with fabric in register with a mold member having a cavity formed with an inner inclined wall, subjecting the blank to pressure sufficient to depress the fabric and backing of rubber to partially

fill the cavity and form on the sole a marginal fabric-sheathed rib of substantially rectangular cross section,



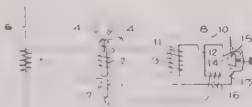
and then heating the mold to cause a flow of the rubber through the interstices of the fabric to fill the cavity.

1,405,454. GRINDING AND POLISHING MACHINE. ERNEST C. SPRINGER, Kansas City, Mo. Filed July 29, 1920. Serial No. 399,859. 4 Claims. (Cl. 51-106.)



1. In a machine of the character described, a grinding wheel, means for driving said grinding wheel, means for yieldably holding a disk in engagement with said grinding wheel to permit lateral movement of said disk during the grinding operation, a universal coupling, an extensible shaft associated with said universal coupling and the disk to drive the latter and permit lateral movement thereof, and means for driving said extensible shaft.

1,405,455. ELECTRICAL PROTECTIVE DEVICE. ROBERT M. SPURCK, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 10, 1917. Serial No. 195,838. 6 Claims. (Cl. 175-294.)



1. A protective device comprising an actuating winding, a movable retarded circuit controlling member con-

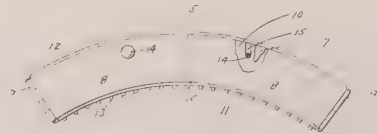
trolled by said winding, reactive means in shunt to said winding having a magnetic circuit adapted to saturate on currents above a predetermined amount to modify the action of said winding, and means for controlling the point of saturation of said magnetic circuit.

1,405,456. AUTOMOBILE BUMPER. LEWIS F. STAFFORD, Chicago, Ill. Filed May 26, 1921. Serial No. 472,876. 9 Claims. (Cl. 293-55.)



2. A vehicle bumper comprising two similar side elements each consisting of a strap of spring metal bent upon itself intermediate its ends to provide a bolt-eye, the ends of said straps being extended from said bolt-eye to lie adjacent each other for a distance and then separated and extended to separate spaced points of attachment with a vehicle, means for securing each of the ends of each side element to a vehicle, means for effecting the articulation of said side elements comprising a bracket, bolts carried thereby co-acting with the bolt eyes in said respective elements, and a spring carried by said bracket and extending into contact with said side elements.

1,405,457. HOG-SCRAPING KNIFE. THOMAS W. STEWART, South Sioux City, Nebr. Filed Mar. 15, 1920. Serial No. 365,691. 2 Claims. (Cl. 17-11.)

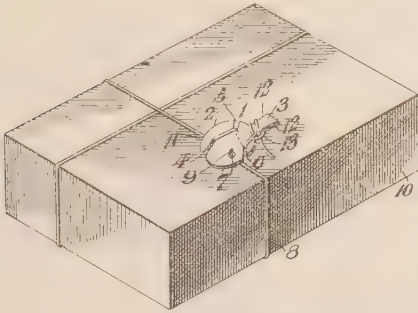


1. A hog-scraping knife, including a crescent-shaped blade member, having a sharp edge, a correspondingly-shaped plate member having guard teeth projecting beyond the sharp edge of the blade member, one of said members having bolt holes and the other transverse slots, and clamping bolts passing through said holes and slots to secure the members together and permit their adjustment transversely of each other, to regulate the distance between the sharp edge of the blade and the end of the guard teeth.

1,405,458. HAIR DYE. IRENE HAMMOND STOLL, Cleveland, Ohio. Filed Jan. 28, 1919. Serial No. 273,642. 5 Claims. (Cl. 167-5.)

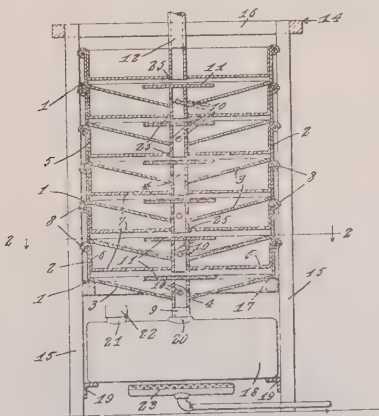
4. A hair dye comprising three solutions the first containing a 1/4 part of copperas, a 1/39 part of burnt blue vitriol, a 1/32 part of ammonia and water to make about 2 ounces, the second solution containing a 1/19 part of burnt sal soda, a 1/13 part of a burnt blue vitriol, a 1/13 part of ammonia plus water to make another two ounces, and the third solution containing 1/32 part of pyrogallie acid and a 3/8 part of peroxide plus enough water to again make 2 ounces.

1,405,459. PACKAGE TIE. GEORGE W. STOUT, Merchantville, N. J. Original application filed Dec. 30, 1915, Serial No. 69,408. Divided and this application filed June 11, 1917. Serial No. 173,930. 1 Claim. (Cl. 24—18.)



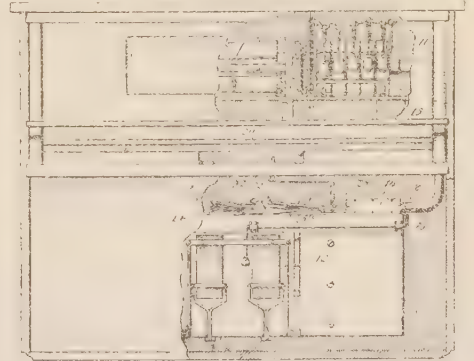
In a package tie, a body portion, comprising a plate having an extension 3 projecting diametrically therefrom and provided with inwardly converging side walls 12, an eye 7 eccentrically located in said body at one side of a median line thereof, passing through said extension, and a slot 6 on the same side of said body as said eye positioned intermediately of said eye and said extension and extending inwardly at an oblique angle to said median line, and terminating at a point intermediate said eye and extension, said body having on its opposite side two slots 4 and 5 extending thereinto on a line oblique to said median line, said slot 5 extending substantially radially into said body, and all of said slots being substantially parallel with each other and extending into said body at substantially the same angle to said median line.

1,405,460. DRIER. SAMUEL STEPHEN STRASBURG, St. Marys, Ohio. Filed Aug. 8, 1921. Serial No. 490,680. 3 Claims. (Cl. 34—21.)



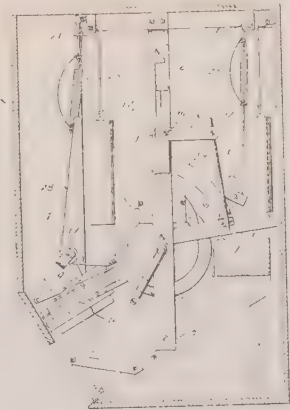
2. In a device of the class described, a unit made up of an outer member and an inner member fitting therewithin, said member having spaced bottoms, the bottom of the inner member having an opening; a table fixed in the bottom of the outer member and adapted to be received in the opening in the bottom of the inner member of a like unit, the tube having an aperture constituting an inlet for steam and an outlet for water of condensation; and a deflector mounted on the upper end of the tube.

1,405,461. PRESSURE REGULATOR. ALFRED SWENSEN, Morton Park, Ill., assignor to The Cable Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 2, 1919. Serial No. 269,244. 19 Claims. (Cl. 84—130.)



1. The combination with an air-motor and an air-pressure-regulator for said air-motor, of means for controlling said air-motor, and means whereby the first said means may be controlled by the load on said air-motor and by the air regulated by said regulator.

1,405,462. PAPER-VENDING MACHINE. JOHN A. SZYMANSKI and VINCENT A. SZYMANSKI, Detroit, Mich.; said John A. Szymanski assignor to said Vincent A. Szymanski. Filed Dec. 29, 1919. Serial No. 348,202. 12 Claims. (Cl. 211—8.)

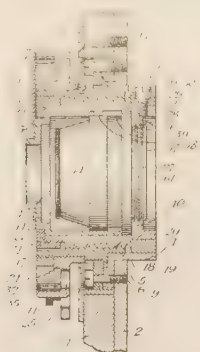


1. In a machine of the character described, the combination of a bin for storing papers provided with an inclined bottom having at the bottom a discharge orifice, the said bin and inclined bottom arranged to support the papers so that they lie upon such inclined bottom parallel therewith, and means for discharging newspapers one at a time, comprising a pair of slides adapted to be slid in opposite directions past each other at the orifice.

1,405,463. FOCUSING LENS MOUNT. JULIEN TESSIER, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed May 3, 1920. Serial No. 378,615. 3 Claims. (Cl. 95—45.)

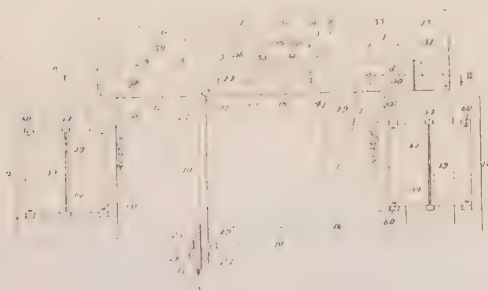
1. A focusing lens mount comprising a fixed support having a bearing surface, an internally threaded tubular member mounted to rotate upon said bearing surface, and an externally threaded lens casing mounted within said

interiorly threaded member, said casing and support having portions extending beyond said member in a longitudinal



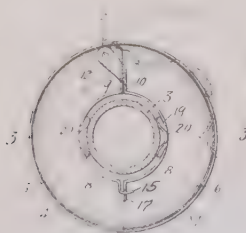
nal direction and having cooperating guide portions, whereby the casing is prevented from rotary movement but is free to move axially.

1,405,464. AUTOMATIC GATE. MIKE TODORUK, Russell, Manitoba, Canada. Filed Oct. 6, 1920. Serial No. 414,984. 2 Claims. (Cl. 39—34.)



1. Gate operating mechanism comprising a swinging gate, independent means for holding the gate in open and closed position, a trip device arranged at each side of the gate, cord connections between the trip devices and the gate adapted upon operation of the trip devices to positively move the gate to open position for engagement by the holding device, means operated by the trip devices for releasing the means for holding the gate in closed position, the device for holding the gate in open position comprising a sliding latch, and a shiftable arm connected to said latch and operated by the connecting cords.

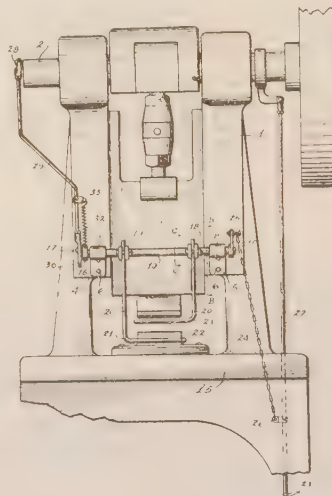
1,405,465. FLOOR OR CEILING PLATE. HARRY A. VANDERBROUK, New Britain, Conn., assignor of one-half to R. D. Heymann, Hartford, Conn. Filed Feb. 2, 1921. Serial No. 441,805. 1 Claim. (Cl. 126—317.)



A floor or ceiling plate comprising a plurality of semi-annular sections pivotally connected together and opposed springs of Y form, the butts of the shanks of the springs being rigid with the respective sections and the shanks ex-

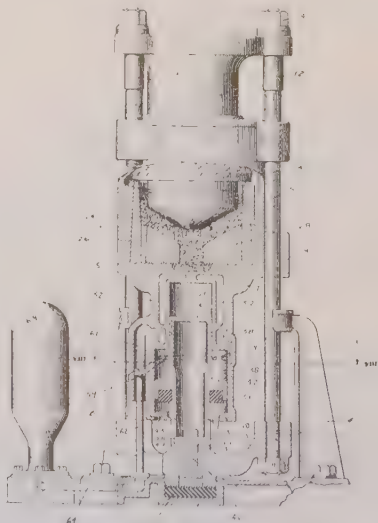
tending approximately perpendicularly from the sections, the heads or free ends of the springs being free and being of a compound-curvature, the central portions of the heads being concaved and the ends being convex to bear against the surface of a part surrounded by the plate, the latter having means for preventing the said sections being accidentally opened.

1,405,466. SAFETY DEVICE FOR PUNCHING PRESSES. JOHN A. VAN HORN, Shelby, Ohio. Filed Nov. 24, 1920. Serial No. 426,282. 4 Claims. (Cl. 74—105.)



1. In a safety device for presses, a rotatable shaft mounted on the frame of the press, guards mounted upon the rotatable shaft which are adjustable vertically, horizontally and radially with respect to each other, and means to impart a to and fro movement to the guards toward the operator when actuated by the treadle.

1,405,467. ORE STAMP MILL. JAMES W. VAN METER, San Francisco, Calif. Filed Feb. 23, 1921. Serial No. 447,198. 15 Claims. (Cl. 83—56.)



1 A crushing apparatus, comprising, in combination, a fixed anvil, a reciprocating mortar adapted to be driven upward toward said anvil, operating means for said mortar

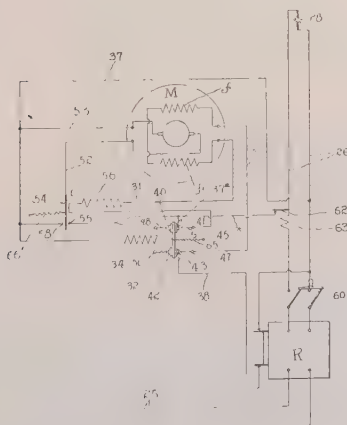
including a rising and falling valve, a weight slidable in said mortar member, and adapted to be moved by the impact thereof, and means operated by the movement of said weight adapted to actuate a valve controlling said mortar.

1,405,468. WELDLESS DRILL JAR. GEORGE R. WATSON, Waterloo, Iowa, assignor to Armstrong Manufacturing Company, Waterloo, Iowa, a Corporation of Delaware. Filed Sept. 24, 1920. Serial No. 412,576. 4 Claims. (Cl. 255—27.)



1. A weldless drill-jar, comprising two members interlocked for relative longitudinal movements, each member being longitudinally slotted, and each member having a lateral feather mounted in the longitudinal slot of the other and terminally upset to lock it to the other member.

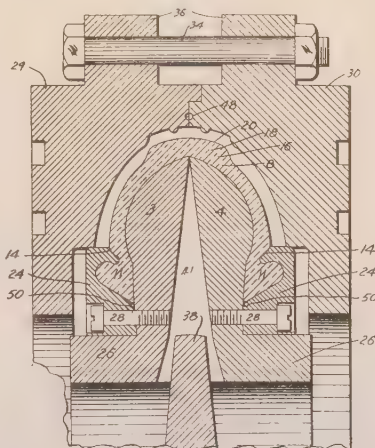
1,405,469. AUTOMATICALLY-OPERATING MEANS FOR CONTROLLING RHEOSTATS OR EQUIVALENT DEVICES. PLINY KILBURN WESTCOTT, New York, N. Y., assignor to Sun-Light Arc Corporation, New York, N. Y. Filed Jan. 17, 1920. Serial No. 352,125. 1 Claim. (Cl. 171—229.)



In a system of the character described, the combination of a rheostat and a circuit protected thereby, of a controlling motor and operating connections therefrom to the

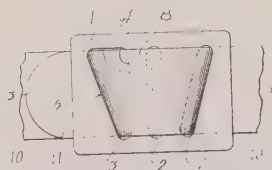
controller arm of the rheostat, means for energizing the motor in response to changes of voltage in the protected circuit operative to cause rotation of the motor armature in one direction or the other depending upon increase or decrease of voltage, said means comprising a field circuit for the motor, connections to the mains of the protected circuit and a reversing relay switch interposed between said connections and the field circuit and operative to close the latter to cause the current to flow therethrough in one direction or the other, an actuating magnet for the relay switch, suitably connected across the mains of the protected circuit whereby said relay switch will be operated in response to change of voltage in the protected circuit, an armature circuit for energizing the motor armature, a contact maker operative to open and close the armature circuit, and an actuating magnet therefor arranged in series with the field circuit, substantially as described.

1,405,470. METHOD OF AND APPARATUS FOR MAKING RESILIENT TIRES. GEORGE H. WHEATLEY, Milwaukee, Wis. Filed Aug. 29, 1919. Serial No. 320,697. 12 Claims. (Cl. 18—45.)



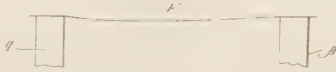
1. The method of making a resilient tire which comprises building up the tire on a core and expanding the core axially of the tire while the tire is confined in a mold.

1,405,471. BUCKLE. WILLIAM WIENER and MERVIN G. WIENER, Newark, N. J. Filed May 21, 1920. Serial No. 383,114. 5 Claims. (Cl. 24—200.)



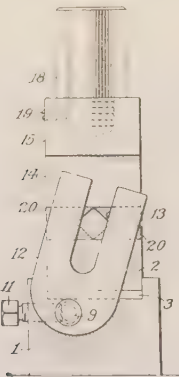
1. The combination of a buckle having a body portion with spaced slots transverse to the length of the buckle, said slots having their edges farthest apart forming biting edges oblique to the length of the buckle, and a strap arranged in alignment with the length of the buckle and having a free end portion adapted to lie at one side of the buckle body portion between said slots and passing to the other side of said body portion through said slots to extend in opposite directions in substantially the plane of the buckle lengthwise of the same and beyond it at both of its opposite ends.

1,405,472. TELEPHONIC RECEIVER. ALFRED WILLIAMS and LEO D. WILLIAMS, London, England. Filed Jan. 12, 1917. Serial No. 142,009. 4 Claims. (Cl. 179—101.)



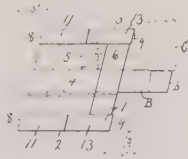
4. In a thermo-telephone receiver a heating conductor of gold foil of such thickness that it transmits green light rays and means for supporting it at a plurality of points intermediate its ends.

1,405,473. PUNCH AND DIE FOR STRAIGHTENING VALVE STEMS. HENRY F. WOLNICK, Chicago, Ill., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed June 15, 1920. Serial No. 389,130. 4 Claims. (Cl. 153—48.)



1. In a device for straightening valve stems, a die having a plurality of spaced projections, each projection being slotted at its center to receive the valve stem, a slotted adjustable means for positioning the valve stem in the slot and means adapted to so position the stem positioning means that its slot aligns with the slots of the die.

1,405,474. GRINDING BLOCK. CHARLES A. YEHLE, Syracuse, N. Y. Filed May 12, 1920. Serial No. 380,898. 5 Claims. (Cl. 51—221.)

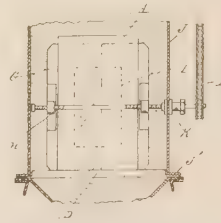


1. A one-piece grinding block of hexagonal cross-section having its end faces parallel with each other and disposed in planes at an angle to those of each of the sides, said block having two of its sides at opposite sides of its axis parallel with each other and substantially the same width and provided with registering tool openings extending through the block to permit the cutting tool to be inserted in the opening in either side.

1,405,475. ELECTRIC LIQUID HEATER. WILLIAM A. ANDREWS, Detroit, Mich. Filed Mar. 11, 1920. Serial No. 365,107. 8 Claims. (Cl. 219—40.)

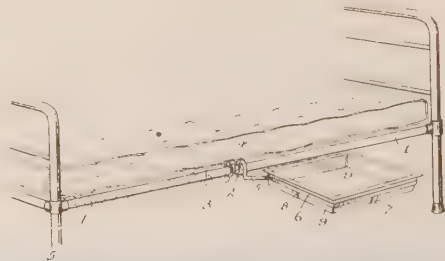
1. An electric liquid heater comprising a pair of electrodes formed by spaced parallel plates, a pair of in-

ulating plates arranged between said electrodes substantially in the same plane, and a common means for rela-



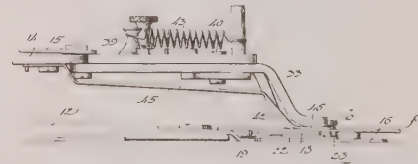
tively shifting said insulator plates toward and from each other to vary the water gap intervening between said plates and between the two electrodes.

1,405,476. SANITARY FIXTURE. LUCIE THOMPSON AUDI, New York, N. Y. Filed Oct. 20, 1921. Serial No. 509,027. 1 Claim. (Cl. 5—41.)



In combination with a fixed element of a bed frame; a horizontally disposed supporting member attached thereto and adapted to be swung beneath the bed and outwardly to a position free of the bed where ready access thereto may be had by a patient on the bed; and a receptacle having a closure, said receptacle being removably mounted in said support and adapted to receive a sanitary utensil whereby the receptacle with the utensil placed therein may be readily removed from said supporting member.

1,405,477. BUTTON-SEWING MACHINE. WILLIAM L. BARRON, New York, N. Y., assignor to The Singer Manufacturing Company, a Corporation of New Jersey. Filed Apr. 18, 1917. Serial No. 162,916. 17 Claims. (Cl. 112—114.)

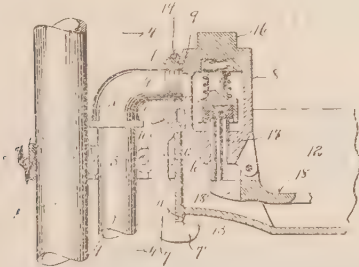


8. In a sewing machine, in combination, stitch-forming mechanism including a reciprocating needle, a button-clamp support, independent upper and lower self-centering button-clamps carried by said support, and means for producing relative lateral jogging movements between said needle and said support.

17. In a button sewing machine, in combination, stitch-forming mechanism, and upper and lower button-positioning devices, the upper of said button-positioning devices including button-gripping means, and means for spacing a gripped button a predetermined distance from the sur-

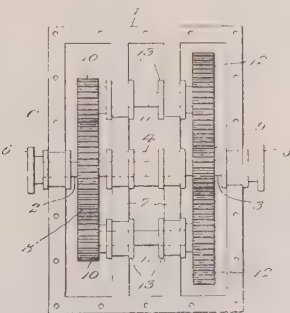
face of a fabric placed between said devices, whereby when said fabric is removed said button is secured thereto by loose stitches.

1,405,478. DRINKING CUP FOR STOCK. BERNARD A. BELLING, Beaver Dam, Wis., assignor to Bell Manufacturing Co., Beaver Dam, Wis. Filed June 4, 1921. Serial No. 475,116. 4 Claims. (Cl. 119—75.)



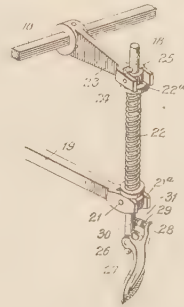
1. A stock drinking bowl comprising a hollow head, having a transversely disposed channeled neck extending therefrom, a finger depending from the neck terminating with a bowl receiving pocket, the base of the finger being spaced from the head to form a receiving throat, a removable bowl having an end wall provided with a bottom flange, and contracted rear side walls adapted to encase the head, the upper edge of the rear wall being arranged to enter the receiving throat whereby the bowl is inserted, and thereafter shifted downwardly to cause its bottom flange to lockingly engage the receiving pocket, and a vertically adjustable stirrup mounted upon the neck having locking feet for engagement with the upper edge of the bowl, whereby the latter is held against both horizontal and vertical movement.

1,405,479. POWER-TRANSMISSION MEANS. AUGUST F. BEITZEL and BERNARD D. WEIKERT, Baltimore, Md., assignors of one-third to Charles B. Whittle, Baltimore, Md. Filed Sept. 27, 1919. Serial No. 326,740. 1 Claim. (Cl. 74—7.)



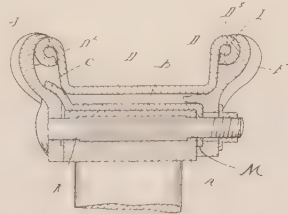
An apparatus of the character described comprising a casing adapted to hold the lubricant, a pair of main shafts centrally located in said casing and arranged to align together, a roller bearing sleeve adapted to hold the inner ends of said shafts, roller bearings placed in the walls of the casing where the shafts pass through, and having their outer ends projecting from the sides of the casing, flanges provided on the outer extremities of said shafts, uprights located within the casing and extending from end to end thereof, gears located within said casing and connecting the shafts together, said shafts and gears supported by said uprights, and means for connecting the outer ends of the shafts to the driven and driving elements.

1,405,480. MARKER FOR PLANTERS. JOHN H. BOEHME, Onawa, Iowa. Filed Nov. 6, 1919. Serial No. 336,050. 6 Claims. (Cl. 111—30.)



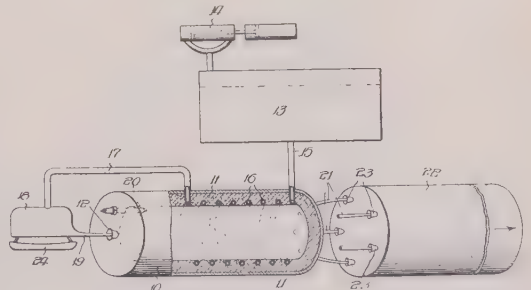
1. In a planter, an oscillating shaft for operating the drop mechanism, an arm fixed to said shaft, a plunger slidable with respect to said arm and yieldingly connected thereto, and a marker on the lower end of said plunger for the purpose set forth.

1,405,481. VEHICLE WHEEL RIM. WILLIAM N. BOOTH, Detroit, Mich., assignor to Kelsey Wheel Company, Inc., Detroit, Mich., a Corporation of New York. Filed July 29, 1916. Serial No. 112,058. 9 Claims. (Cl. 301—11.)



1. The combination with a transversely-split demountable rim provided with a tire-retaining flange at one side thereof, said flange having a beaded outer edge, of a felly-band, a tie-plate clamped to said flange, arranged to embrace the split and to extend adjacent to said tire-retaining flange of the rim, said beaded outer edge of the rim and said tie-plate having cooperating wedging recesses and projections, and a bearing for said rim at the side of said felly-band opposite said tire-retaining flange.

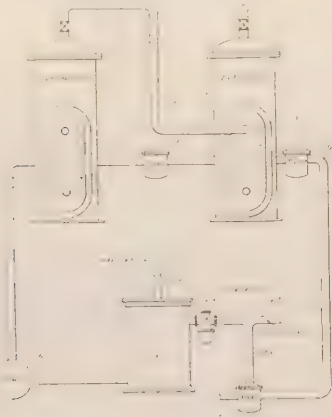
1,405,482. METHOD OF AND MEANS FOR PROPELING CRAFT NAVIGATING A FLUID MEDIUM. LOUIS G. BOSTEDO, Chicago, Ill. Filed May 31, 1919. Serial No. 301,111. 10 Claims. (Cl. 115—11.)



1. The herein described method of effecting propulsion of crafts navigating a fluid medium, which consists in continuously burning fuel in a furnace, continuously discharging the burning products of combustion from said furnace directly in the form of a jet into a propulsion

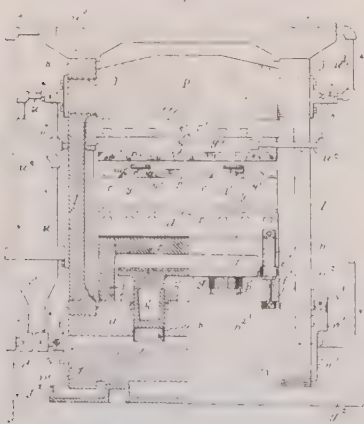
tube that is open at one end to the fluid medium being navigated, simultaneously injecting air by means of said jet into said propulsion tube, and allowing the mixed products of combustion and air in said propulsion tube to expand and react directly against the fluid medium being navigated.

1,405,483. EVAPORATOR SYSTEM. STANLEY BROWN, Garden City, N. Y., assignor to The Griscom Russell Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 26, 1920. Serial No. 354,000. 6 Claims. (Cl. 203-5.)



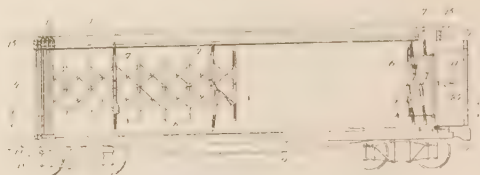
1. In an evaporator system, the combination of a feed heater, an evaporating unit supplied therefrom comprising means for discharging the concentrated solution, and means for utilizing the vaporous heat of said concentrated solution in said feed heater.

1,405,484. MOLDING PRESS. CHARLES F. BURROUGHS, East Orange, N. J., assignor to Composition Machinery Corporation, Newark, N. J., a Corporation of New Jersey. Filed Jan. 15, 1920, Serial No. 351,095. Renewed Mar. 2, 1921. Serial No. 449,085. 11 Claims. (Cl. 18-5.3.)



1. A molding-press having a stationary base with upwardly movable ram thereon, vertical guides on opposite ends of the base, a mold-carrier movable upon the said guides, and resting normally upon the ram, swinging-arms jointed upon the base, a tilting-head pivoted upon the said arms, and a rod jointed to the base, and to one side of the head, and operating automatically to tilt the head when the arms are tipped.

1,405,485. FREIGHT-CAR-CLOSING DEVICE. THOMAS J. CALLERY, Jersey City, N. J. Filed May 18, 1921. Serial No. 470,725. 10 Claims. (Cl. 105-369.)



1. In combination with a freight car, a lazy-tong cargo blocking disposed within the car for preventing cargo from shifting toward the car doors, means connected with said blocking for positively anchoring it in sections as desired.

1,405,486. CONVERTIBLE AUTOMOBILE BODY. BAZEL E. CARRM, New York, N. Y. Filed Jan. 4, 1918, Serial No. 210,284. Renewed May 12, 1921. Serial No. 469,034. 30 Claims. (Cl. 296-66.)

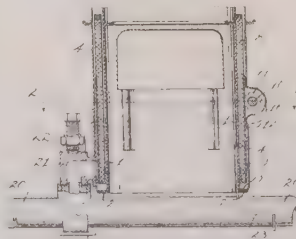


2. A convertible automobile body comprising a fixed main section, a rear section movable with respect thereto, and a rigid, non-foldable top portion attached to said rear section and adapted to form an enclosure for a part of said body or to be folded within said main section when said rear section is in one of its adjusted positions, substantially as specified.

1,405,487. CELLULOSE-ETHER SOLVENT AND COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed June 9, 1921. Serial No. 476,318. 6 Claims. (Cl. 134-79.)

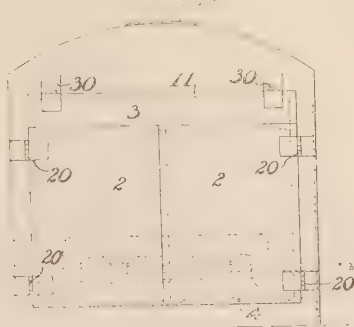
1. A compound solvent for ethers of cellulose comprising a mixture of chloroform and methyl alcohol.

1,405,488. OIL BURNER. LEE S. CHADWICK, Cleveland, Ohio, assignor to The Cleveland Metal Products Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 4, 1920. Serial No. 378,797. 3 Claims. (Cl. 67-60.)



1. In a burner of the character described, the combination of inner and outer wick tubes in eccentric relation to each other, a wick in the space between said tubes, and wick moving means operating on the outer side of the wick in opposed relation to that portion of the inner wick tube that is nearest the outer tube.

- 1,405,489. SAFETY CABINET FOR GAS PLATES AND RANGES. ANSON W. CHENEY, Seattle, Wash. Filed Jan. 24, 1921. Serial No. 439,433. 1 Claim. (Cl. 126—37.)



A cabinet for gas plates having a door opening in its front and a flue connection at its top, the top edge of the door opening being located well below the top of the cabinet to form a gas collecting hood, a plate hinged along the upper edge of the door opening and adapted when swung down to reduce the effective opening and horizontal swinging doors adapted to close the remainder of the opening.

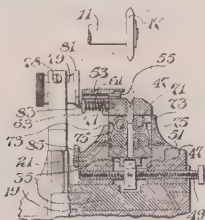
- 1,405,490. CELLULOSE-ETHER COMPOSITION. HANS T. CLARKE, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 25, 1921. Serial No. 447,801. 9 Claims. (Cl. 106—40.)

1. A composition of matter comprising a cellulose ether and a benzoic acid ester of a monohydroxy aliphatic alcohol having from 4 to 5 carbon atoms.

- 1,405,491. CELLULOSE-ETHER COMPOSITION. HANS T. CLARKE, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 25, 1921. Serial No. 447,802. 8 Claims. (Cl. 106—40.)

1. A composition of matter comprising a cellulose ether and phenyl phthalate.

- 1,405,492. CUTTING MACHINE. BURTON N. CLARY, Beverly, and BENJAMIN F. MAYO, Salem, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 30, 1917. Serial No. 204,660. 30 Claims. (Cl. 90—50.)

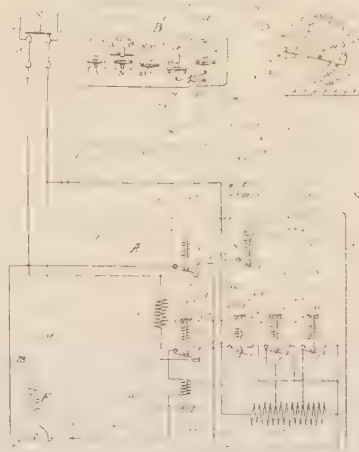


1. A machine of the class described, having, in combination, a tool carrier, a holder for a piece of stock, means for producing relative movement between the holder and the carrier, and a gage for positioning the stock in the holder, said gage having two faces differently located with respect to the holder either of which may be brought into operative relation to the holder.

- 1,405,493. MOTOR CONTROLLER. ALLAN J. CLINE, Chicago, Ill. Filed Dec. 30, 1918. Serial No. 268,852. 37 Claims. (Cl. 172—179.)

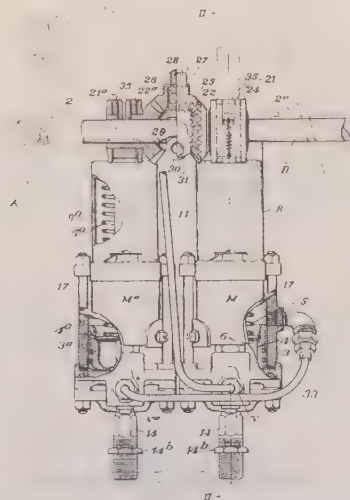
1. In combination in a motor controller, electro-magnetic starting means, electro-magnetic accelerating means auto-

matically responsive to different electric conditions established in the motor circuit, a speed control switch arranged to variably limit the operation of said accelerating



means and thereby determine the running speed of the motor, and auxiliary control push-button switches operable to stop and start the motor.

- 1,405,494. RAILWAY SIGNAL MECHANISM. JOHN P. COLEMAN, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Oct. 1, 1920. Serial No. 414,064. 19 Claims. (Cl. 246—258.)

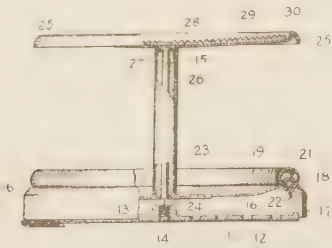


13. A railway signal comprising a movable signal device, a shaft for moving said device, two operating mechanisms, means for rotating said shaft in one direction by both of said mechanisms, and other means for preventing such rotation of said shaft except by said mechanisms.

- 1,405,495. CHECK DISPENSER. ADOLF F. COOK, New York, N. Y. Filed Feb. 11, 1921. Serial No. 444,083. 5 Claims. (Cl. 40—124.)

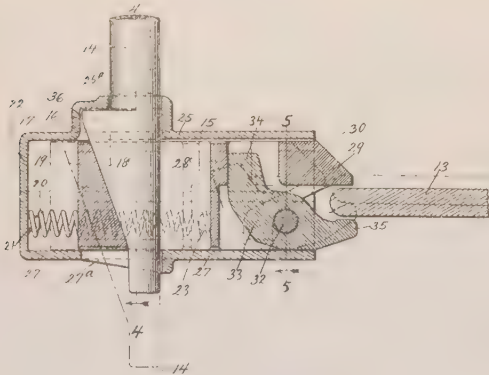
1. In a device of the character described, a circular plate-like base, a spring holding member revolvably mount-

ed on said base, a depending flange on said member for substantially concealing said base, and a helical spring car-



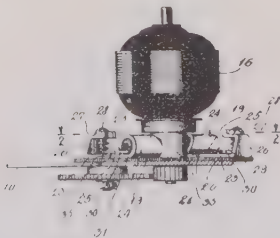
ried by said member and adapted to have thin checks inserted between the coils thereof.

1,405,496. RAILWAY TRAPDOOR LOCK MECHANISM. TUDOR C. CORK, New York, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 30, 1921. Serial No. 518,897. 17 Claims. (Cl. 105—435.)



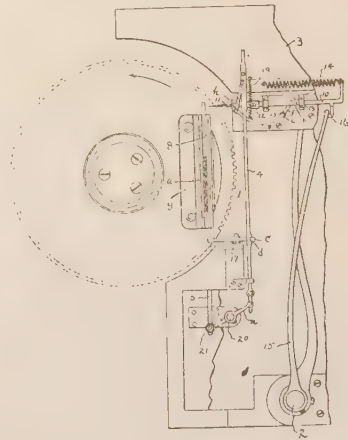
1. A locking mechanism for platform trap doors comprising a casing secured adjacent the free edge of the trap door, a trap door engaging bolt slidable within said casing, and means associated with said bolt for checking abnormal outward movement thereof, said means being operable by said bolt to partially open the trap door.

1,405,497. ARMATURE BRUSH HOLDER FOR ELECTRIC TOY DYNAMOS. JOSHUA L. COWEN, New York, N. Y. Filed Apr. 15, 1920. Serial No. 373,994. 6 Claims. (Cl. 171—324.)



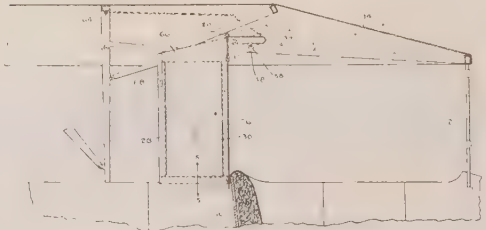
1. In an electric toy motor or generator, an armature brush holder having a brush holding member and a spring member exterior to said brush holding member adapted to bear against the brush to feed the latter to the commutator, such spring member being formed with an indent for the manipulation thereof to move the same out of contact with and away from the brush.

1,405,498. ATTACHMENT FOR LINE-CASTING MACHINES. JOHN E. CRANNY, Omaha, Nebr. Filed Apr. 4, 1921. Serial No. 458,194. 8 Claims. (Cl. 199—60.)



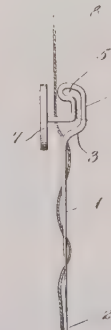
1. A line casting machine provided with an apertured liner, and a tapered pin movable for entering the aperture of the liner and for actuating the ejector blade control rod.

1,405,499. REAR-SEAT WINDSHIELD. VERNON E. CROSBY, Minneapolis, Minn. Filed Feb. 26, 1921. Serial No. 448,015. 6 Claims. (Cl. 296—85.)



1. A rear-seat wind-shield for vehicles comprising a curtain, a rod upon which the top of said curtain is swingingly supported, a pair of U-shaped springs, means for securing one of the arms of said springs at the sides of the vehicle to a canopy bow member, and means for attaching the ends of said rod to the other arms of said spring, the bottom of said curtain being adapted to be secured to the rear of the front seat or to be swung upwardly around said rod.

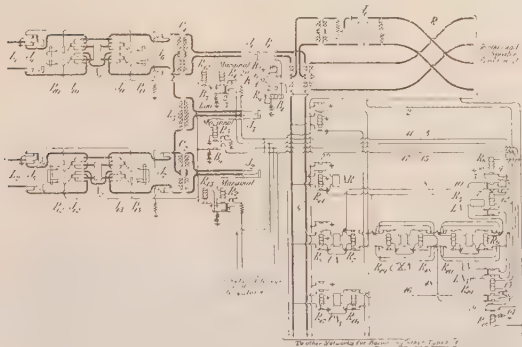
1,405,500. PIN. PALMER S. DAHL, Everett, Wash. Filed July 13, 1921. Serial No. 484,369. 1 Claim. (Cl. 24—150.)



A pin comprising a pointed shank having its upper end curved to provide an offset, a straight portion extend-

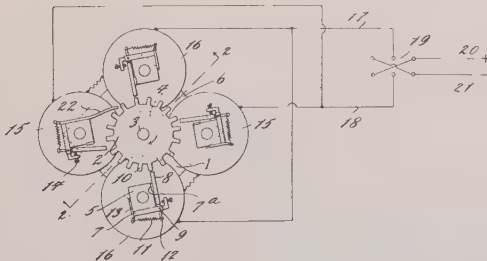
ing upwardly from the offset in parallel relation to the said shank, a pin head, a right angular elbow portion having one end connected to the pin head, a loop guard member forming an integral part of and connecting the ends of the said elbow and straight portion, a portion of the elbow being parallel to and spaced from the said straight portion above the offset, the length of the portion connected to the said pin head being sufficient to permit the said loop guard member to readily follow through an opening through which the pin passes.

1,405,501. REPEATER-NETWORK-SELECTING APPARATUS. CHARLES S. DEMAREST, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed July 9, 1919. Serial No. 309,690. 5 Claims. (Cl. 179-170.)



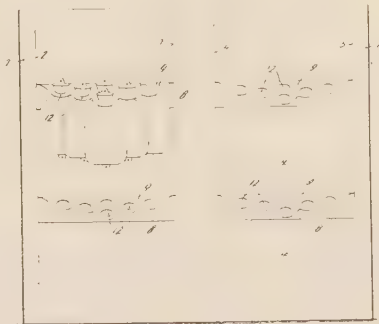
3. In a telephone transmission system, the combination of a group of transmission lines comprising a phantom circuit and two side circuits, auxiliary apparatus associated with each of said side circuits, a telephone repeater adapted for connection with each of said transmission lines, a group of networks adapted to balance said lines, a second group of networks adapted to balance said auxiliary apparatus and means for preventing the selection of an auxiliary net work for the phantom line whenever the corresponding auxiliary apparatus has been disconnected from a side circuit.

1,405,502. ELECTRIC MOTOR. LEE L. DODDS, Brooklyn, N. Y. Filed June 26, 1920. Serial No. 391,923. 8 Claims. (Cl. 172-239.)



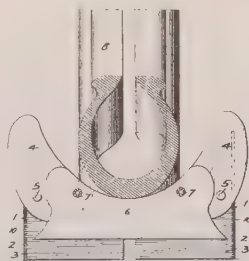
1. An electric motor comprising means for supplying a continuous magnetic field, means for progressively counteracting the effect of said continuous field at certain points and amplifying it at other points, an armature mounted at each of said points for limited pivotal movement, and a driven armature responsive to said progressive changes in the field and operable thereby toward and with the active first mentioned armature.

1,405,503. CONTAINER AND DISPLAY CARTON. WILLIAM M. DOERING and CHARLES J. DOERING, Cincinnati, Ohio. Filed Oct. 20, 1917. Serial No. 197,587. 1 Claim. (Cl. 206-44.)



A combined display rack and container, comprising a sheet of material scored to provide an intermediate section, panel sections at opposite sides of said intermediate section, an end flap for each panel section, the end flaps folding at an angle to the panel section, providing stays for supporting the structure in an open, upright position, said structure adapted to be folded into an open ended box-like structure, with the end flaps overlying one another and providing an end box wall and said intermediate section an opposite end box wall, a foldable back stay on the rear side of said intermediate section, apertured merchandise supporting leaves projecting from the display face of one of said panel sections, the merchandise being adapted to be engaged through the apertures of said leaves for suspendingly sustaining the same, and closure caps nesting over the ends of the folded structure to hold the same in box form and to hold the back stay flat against the outer face of the intermediate section.

1,405,504. CONTAINER AND DISPLAY CARTON. WILLIAM M. DOERING and CHARLES J. DOERING, Cincinnati, Ohio. Filed July 2, 1920. Serial No. 393,649. 4 Claims. (Cl. 211-24.)

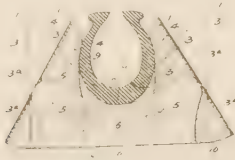


1. In a device of the class described, two side sections, each scored and bent to form half end sections, the said side and end sections being juxtaposed to form a rectangular box-like structure, open at its top and bottom, a jaw pivoted to each half end section to form pairs of clamping means, a bridge member pivoted to each pair of jaws, the said bridge member acting to connect the said side and end sections and to operate said jaws.

1,405,505. CONTAINER AND DISPLAY CARTON. WILLIAM M. DOERING and CHARLES J. DOERING, Cincinnati, Ohio. Filed July 2, 1920. Serial No. 393,650. 9 Claims. (Cl. 211-24.)

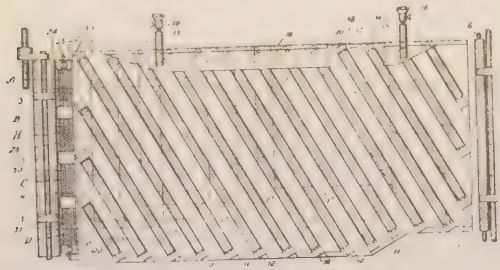
1. In a display and advertising rack, two rectangular sections each having angle extensions at its opposite ends, the sections juxtaposed to form a box-like structure, open at its top and bottom, the angle extensions of said sections forming jaws for clamping a tire, having their

base edges curved for rocking the opposing jaws toward each other, and a bridge member for each pair of opposing



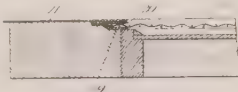
extensions pivotally attached to the extensions to rock the extensions toward each other when a tire is placed upon the bridge member.

1,405,506. METHOD OF AND MEANS FOR HEATING PRINTED SHEETS. JAMES E. DOYLE, Cleveland, Ohio. Filed Nov. 11, 1919. Serial No. 337,273. 11 Claims. (Cl. 219-19.)



1. The method of conditioning freshly printed paper, which consists in conveying the sheet and causing an incandescent heat to be applied thereto along a line extending diagonally within the mean plane of the passing portion of said sheet.

1,405,507. DOOR. WILLIAM H. EMERICK, Chicago, Ill. Filed Jan. 23, 1920. Serial No. 353,460. 7 Claims. (Cl. 20-36.)



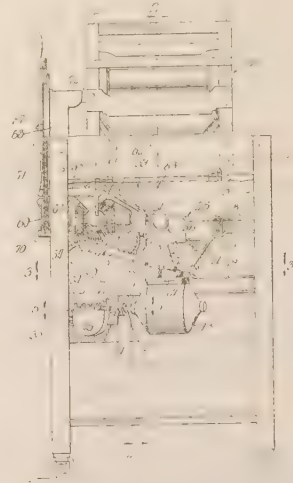
2. A door having an opening therein, a coarse screen closing said opening, plates fastened to the door at the edges of said opening and embracing the edges of said screen, and facing plates fastened on the door over said screen plates.

1,405,508. CARTRIDGE MAGAZINE. LAWRENCE M. ENDRES and MICHAEL A. ENDRES, Springfield Corners, Wis. Filed Jan. 13, 1921. Serial No. 436,919. 4 Claims. (Cl. 206-3.)



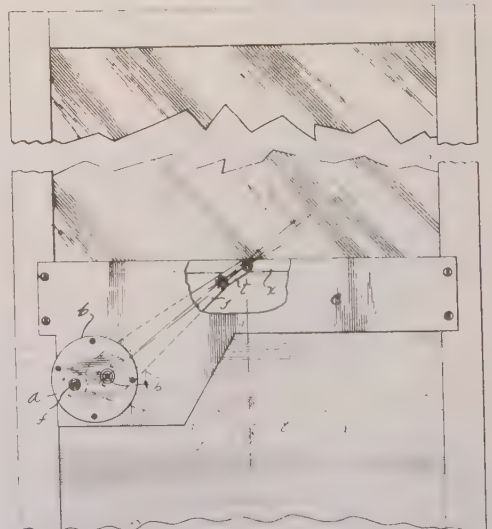
4. In a device of the character described, a cylindrical barrel having a keyhole slot in the side thereof near one end, a spring secured to the end of said barrel with a portion thereof projecting in close proximity to said slot and extending toward the smaller end thereof, the end of said projecting portion being bent to extend obliquely toward the other side of the barrel, and means for attaching said barrel to the barrel of a small fire-arm in parallel relation thereto.

1,405,509. GEARING. JAMES V. E. ERICKSON, Chicago, Ill., assignor to Federal Sign System (Electric), Chicago, Ill., a Corporation of New York. Filed Apr. 19, 1919. Serial No. 291,182. 1 Claim. (Cl. 74-50.)



A gearing device of the kind described comprising, a support including a bracket plate, a horizontal operating shaft journaled in the bracket plate, there being a horizontal outstanding flange on the bracket plate below the operating shaft and a second shaft below and to one side of said operating shaft, a spur gear on said second shaft, means operatively connecting the spur gear with the operating shaft for imparting an oscillatory movement thereto, a horizontally disposed worm journaled in the bracket and meshing with the spur gear, said worm extending in a plane at an acute angle to that of said spur gear, and a motor depending from said bracket flange and directly connected to said worm.

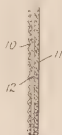
1,405,510. WINDOW REGULATOR. LOUIS W. GATES, Detroit, Mich., assignor to Tunstedt Manufacturing Co., Detroit, Mich., a Corporation of Michigan. Filed Sept. 7, 1920. Serial No. 408,479. 9 Claims. (Cl. 268-4.)



1. In a window construction, the combination of a window frame provided with a pair of opposed vertical

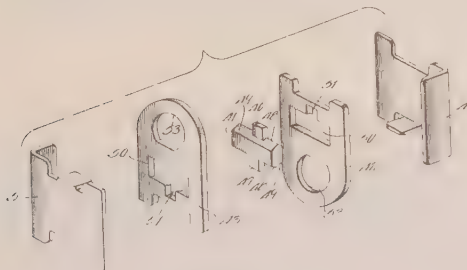
window guides and a window well, a sash slidable therein vertically, a regulator plate located at the side of the window frame and well, a relatively long lever fulcrumed on said plate, means on said regulator plate for actuating said lever, and a relatively short link pivoted to the end of the long lever and the bottom of the sash at substantially the center of the sash.

1,405,511. LAMINATED FABRIC. MORRIS HIRSHFIELD, Brooklyn, N. Y. Filed Mar. 3, 1921. Serial No. 449,420. 3 Claims. (Cl. 154—46.)



1. A fabric comprising a facing of woven material of the silk type liable to ravel along cut edges, and a co-extensive backing of non-woven material cemented to said facing to prevent raveling thereof along said cut edges.

1,405,512. FUSIBLE LINK. MORTON K. HOPKINS, Chicago, Ill., assignor to John L. Kennedy, Chicago, Ill. Filed May 6, 1918. Serial No. 232,911. 7 Claims. (Cl. 169—42.)

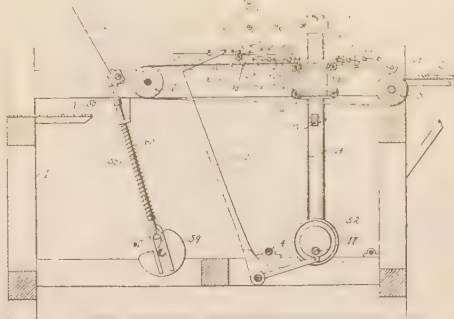


1. A fusible link comprising duplicate members formed to lie one upon the other with the free ends extending in opposite directions, each provided with a key-engaging recess in combination with a cooperating key member therefor formed with offset parts on opposite sides thereof cooperating with the first named members, said key member being formed to operatively engage the key-engaging recesses of the duplicate members with the offset parts of the key member at opposite sides thereof lying one on each side of the device substantially in the plane of the corresponding duplicate member, substantially as described.

1,405,513. MULTIFORM PRINTING PRESS. LEVI P. HUGHES, Hoboken, N. J., assignor, by mesne assignments, to Hughes Machine Corporation, New York, N. Y., a Corporation of New York. Filed July 28, 1919. Serial No. 313,717. 35 Claims. (Cl. 101—320.)

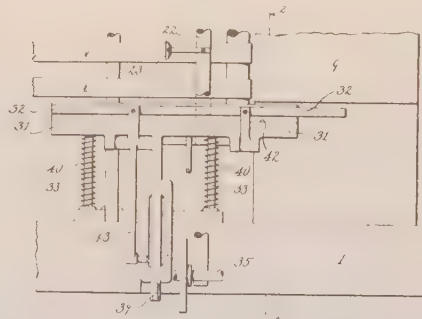
1. A multiform sheet printer comprising printing elements adapted to receive a sheet and to print thereon in successive positions, means to advance the sheet from one printing position to another, a series of stop fingers arranged to engage the front edge of the advancing sheet and located in successively advanced positions corresponding to various printing positions of the sheet, means for operating said stop fingers successively to

arrest the sheet in successive positions, and mechanism for automatically adjusting the sheet into each of its



successive printing positions and releasing the sheet after each printing operation.

1,405,514. SHEET-REGISTERING DEVICE. LEVI P. HUGHES, Hoboken, N. J., assignor to Hughes Machine Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 29, 1920. Serial No. 354,762. Renewed Oct. 26, 1921. Serial No. 510,533. 3 Claims. (Cl. 271—49.)



2. A sheet-registering device for printing presses, comprising a lower clamping bar arranged at one side of the printing bed and extending longitudinally thereof, said clamping bar having a longitudinal sheet-engaging shoulder, means for mounting said lower clamping bar to slide laterally toward and away from the printing bed, spring means for normally actuating said bar toward the printing bed, a lateral extensions connected with said bar, a properly timed cam arranged to engage said extension to pull said bar laterally away from the printing bed against the tension of said spring means and to release said extension to permit reverse movement of said bar by said spring means, an upper clamping bar pivoted on said lower bar and arranged to engage the lower bar to clamp the sheet between the bars while the side edge of the sheet registers against said shoulder, spring means for normally holding said upper clamping bar in closed position, a lateral extension connected with said upper clamping bar, and a properly timed cam arranged to engage said last-named extension to open the upper clamping bar against the tension of said last-named spring means and to release said extension to permit closing of said upper end.

1,405,515. PRINTING PRESS. LEVI P. HUGHES, Hoboken, N. J. Filed Dec. 30, 1920. Serial No. 434,015. 18 Claims. (Cl. 101—320.)

1. In a multiform sheet printing press, a plurality of successively arranged stops adapted to arrest a sheet in

successive printing positions, means for adjusting said stops to regulate the distance between successive stops, means for gripping the sheet and carrying the same into

posite edges, the combination of a magazine comprising two parallel side plates formed on their inner faces with opposing grooves providing a series of matrix channels arranged in different vertical planes throughout the width of the magazine, a cooperating magazine entrance comprising two parallel side plates and intermediate partitions providing a series of straight or unripped channels through which the matrices pass to the magazine, and

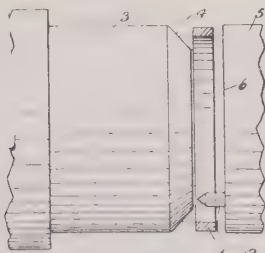
predetermined position for each printing operation, and printing mechanism for printing upon the sheets in each adjusted position.

1,405,516. TIP FOR BELTS AND STRAPS. CHARLES A. HUMPHREYS, Chicago, Ill. Filed Oct. 18, 1920. Serial No. 417,588. 4 Claims. (Cl. 24—265.)



1. A device of the class described having a plate for insertion between the two sides of the belt, integral hooks partially severed from the plate and extending backward approximately parallel to said plate and adapted to lie on the outside of the belt and spaced from it, the outer end of the device being bent in the opposite direction to form a ferrule for the opposite side of the belt.

1,405,517. METHOD OF MACHINING OUT-OF-ROUND PISTON-RING CASTINGS. CHARLES E. JOHNSON, Muskegon, Mich. Filed Sept. 7, 1920. Serial No. 408,506. 6 Claims. (Cl. 29—156.6.)



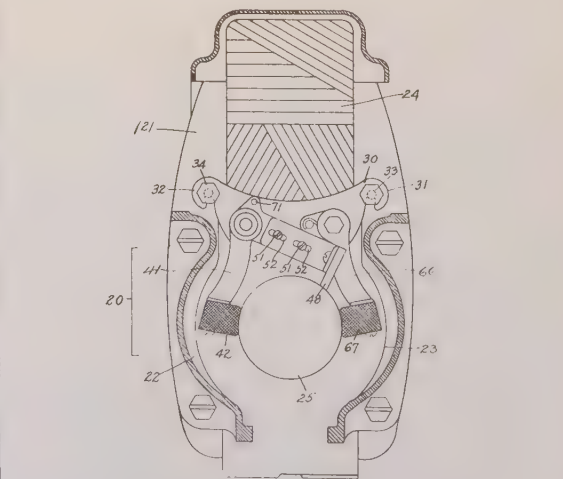
1. The herein described method of machining piston ring castings which consists in distorting a continuous out-of-round ring casting to circular form and machining the same at its outer curved surface while it is held to said circular form, substantially as described.

1,405,518. TYPOGRAPHICAL DISTRIBUTING MACHINE. DAVID S. KENNEDY, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Sept. 28, 1920. Serial No. 413,378. 11 Claims. (Cl. 199—33.)

1. In a typographical distributing machine equipped with matrices formed with projecting ears on their op-

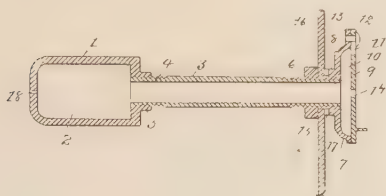
posite edges, the combination of a magazine comprising two parallel side plates formed on their inner faces with opposing grooves providing a series of matrix channels arranged in different vertical planes throughout the width of the magazine, a cooperating magazine entrance comprising two parallel side plates and intermediate partitions providing a series of straight or unripped channels through which the matrices pass to the magazine, and

means for distributing the matrices into the respective entrance channels, at least one of said entrance channels communicating with two adjoining magazine channels, and the projecting ears of the matrices distributed into said channel being located at the left side of some and at the right side of others so as to enable said matrices to enter one or the other of the magazine channels according to form.



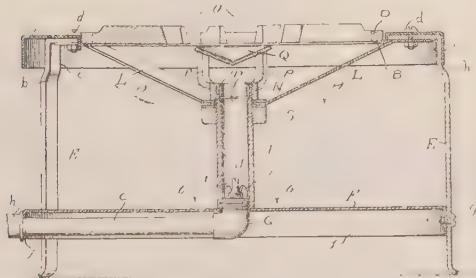
2. In a dynamo electric machine, the combination with the dynamo frame and the commutator supported thereby; of brush mounting means and brushes supported thereby for cooperation with said commutator, said brush mounting means being removable as a unit from the machine without disassembling other portions of said machine.

- 1,405,520. AIR-FEEDING DEVICE. JOHN Y. KING, Lansdowne, Pa. Filed Dec. 23, 1920. Serial No. 432,710. 4 Claims. (Cl. 110—75.)



4. An air feeding device comprising a hollow rectangular body forming an air reservoir, holes through one of the longer sides of said hollow body, a pipe connected to the other longer side of said hollow body for feeding air to said reservoir and forming an unobstructed passage for the air through said pipe to the reservoir to permit a sudden expansion of the air at its point of delivery, and regulating means on the other end of said pipe.

- 1,405,521. GAS PLATE. CHARLES A. KIRKWOOD, Chicago, Ill. Filed Apr. 26, 1920. Serial No. 376,435. 10 Claims. (Cl. 126—214.)

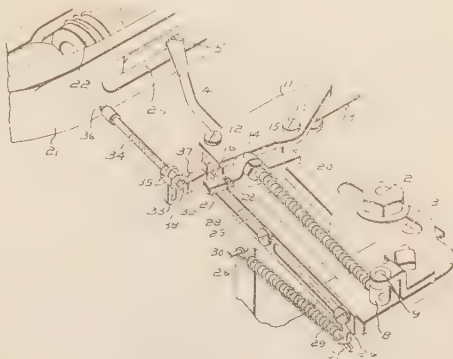


1. A heating device comprising a sheet metal top having its edges flanged downwards and having an opening therein, a gas-plate seated in said opening, legs the upper ends of which are bent horizontally and secured to the underside of said top between the flanged edge thereof and said opening, a base-plate having its edges flanged downwards and secured to the inner side of said legs, a gas-pipe the outer end of which extends through the flanged edge of said base-plate, an elbow to which the inner end of said gas-pipe is connected, a mixing chamber having perforations at its base and supported on said base plate, said elbow being connected to said mixing chamber, a jet secured in the upturned end of said elbow, and a mixing plate within said mixing chamber, said jet, mixing plate, and gas-plate being in axial alignment with each other.

- 1,405,522. FEELER MECHANISM FOR LOOMS. CHARLES B. LANE, Knoxville, Tenn., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed June 19, 1920. Serial No. 390,184. 11 Claims. (Cl. 139—85.)

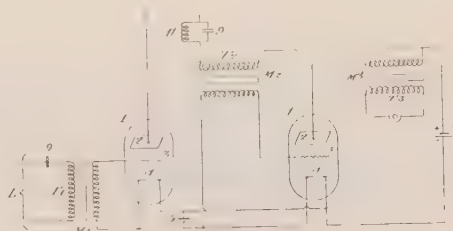
1. In a feeler mechanism for looms, the combination of a feeler supported for movement toward and from the front of the loom in a path inclined to the longitudinal axis of the shuttle and the rear end of which has a normal lateral movement relative to the front of the feeler when a working supply of filling is present in the shuttle on a detecting beat and an abnormal lateral movement along the filling carrier by the frontward pressure upon the feeler when the filling is substantially exhausted on a detecting beat, a feeler lock that has interlocking connection with the feeler and permits normal lateral but prevent abnormal lateral movement of the

rear end of the feeler relative to the front end thereof on a detecting beat until the filling reaches a predeter-



mined degree of exhaustion and then permits the increased abnormal lateral movement of the rear end of the feeler due to the frontward pressure upon it.

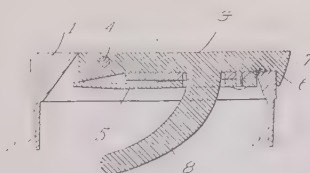
- 1,405,523. AUDION OR LAMP RELAY OR AMPLIFYING APPARATUS. MARIUS C. A. LATOUR, Paris, France. Filed Dec. 28, 1917. Serial No. 209,269. 17 Claims. (Cl. 179—171.)



1. In an amplifying apparatus for wireless signals and the like, a thermionic relay comprising an evacuated bulb, a plate, a filament and a grid in said bulb, and a transformer having a core of laminated iron and two windings of relatively low capacity arranged coaxially one to the other, one of said windings being in circuit with said plate and filament, the transformation ratio of said transformer being a function of the value of the imaginary impedance which, if inserted in the plate filament circuit, would give rise to the maximum relay effect.

14. In an amplifying apparatus for wireless signals and the like according to claim 1, means whereby the transformer provides a deformation of a telephone current in opposition to the deformation provided by the line, to promote the amplification of the high frequency currents in telephonic transmission, and correct the distortion of speech at the receiving end.

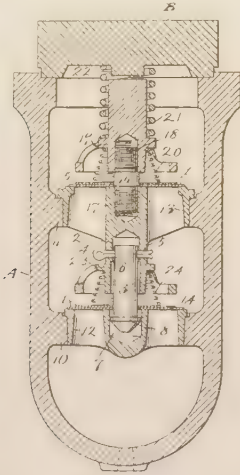
- 1,405,524. BAG FASTENER. FREDRICK J. LAU, Waterbury, Conn., assignor to Worcester Metal Goods Company, Waterbury, Conn., a Corporation of Massachusetts. Filed Feb. 24, 1921. Serial No. 447,628. 2 Claims. (Cl. 292—202.)



1. In a bag fastener having a base and a catch lever pivoted thereto, a lip depending from the front end of

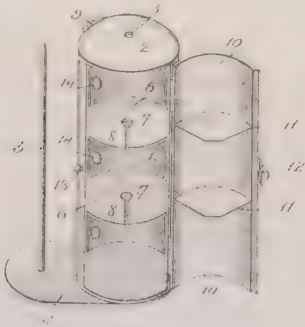
said lever so as to cover the end face of said base and extending below the plane of the upper surface of said base when said lever is in closed position.

1,405,525. VALVE. JOHN A. LE CAIN, Malden, Mass., assignor to Worthington Pump and Machinery Corporation, a Corporation of Virginia. Filed Sept. 14, 1920. Serial No. 410,110. 19 Claims. (Cl. 277-70.)



1. A valve structure having a plurality of valve seats in line, valves on the seats, and a loosely mounted guide for one of the valves.

1,405,526. TWINE HOLDER. SIDNEY LEE, Broken Arrow, Okla. Filed Feb. 19, 1921. Serial No. 446,493. 3 Claims. (Cl. 242-146.)

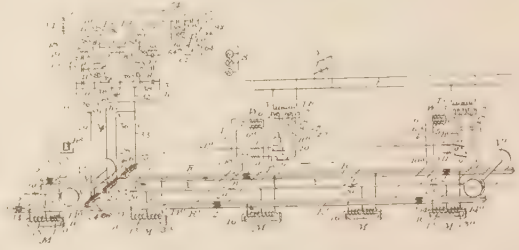


3. In a twine holder, the combination of a container, a plurality of platforms therein, each having a central hole and an elongated slot extending from said hole to the periphery of the platform, a hinged door for said container, a plurality of plates carried by said door and projecting inwardly from the inner face thereof, said plates being arranged to become disposed under said platforms and close the slots in the latter when the door is closed, and a latch device for holding the door in closed position.

1,405,527. RAILWAY-TRAFFIC-CONTROLLING SYSTEM. LLOYD V. LEWIS, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Mar. 4, 1918. Serial No. 220,172. 38 Claims. (Cl. 246-38.)

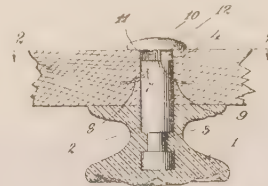
1. Railway traffic controlling apparatus comprising track rails, an auxiliary conductor parallel therewith, means for supplying alternating currents to said rails and conductor, means controlled by traffic conditions for varying the character of one of said currents, means for pro-

curing on the vehicle two currents having the same characteristics as the trackway currents, and vehicle-carried



traffic governing means controlled jointly by the currents produced on the vehicle.

1,405,528. DRAWER-KNOB-FASTENING MEANS. JOSEPH A. LICHTENBERGER, New York, N. Y., assignor of one-third to Thomas E. Chigoy and one-third to Charles H. Wilson, New York, N. Y. Filed Apr. 26, 1919. Serial No. 293,037. 1 Claim. (Cl. 16-121.)



In a knob fastener, the combination with a penetrable wall having an aperture, of a knob provided with a solid shank having oppositely inclined slots opening through the end and the side wall of the said shank, and a driven fastener comprising a single plate bifurcated to form separated tangs having sharpened extremities, the said tangs being arranged to correspond in position with the slots and to pass through the slots into said wall to hold the knob to the wall.

1,405,529. RIPPING DEVICE. JOHN C. MCGEE, New York, N. Y. Filed Aug. 11, 1920. Serial No. 402,869. 1 Claim. (Cl. 30-14.)

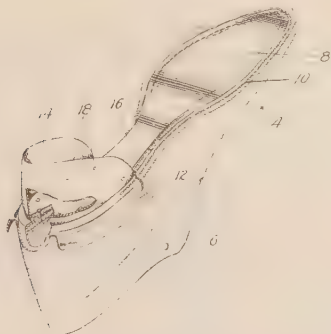


A holder for safety razor blades comprising a tang, and jaws at the ends thereof and integral with the tang, said jaws inclining outwardly from their juncture to a substantially intermediate point, with the said intermediate points of the opposite jaws outwardly arched and thence curving inwardly near the outer edges of the jaws into close proximity and forming, with the outwardly inclining portions, spaced bearings for engaging double edged blades near their edges when inserted between the jaws, the outwardly arched intermediate points being arranged and formed for the reception of the edge bead of a single edged blade therebetween, with the intermediate portion of said blade held between said inwardly curved outer portions of the jaws.

1,405,530. METHOD OF MAKING SHOES. HARRY E. MARTIN, Auburn, Me., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 23, 1918. Serial No. 251,110. 5 Claims. (Cl. 12-142.)

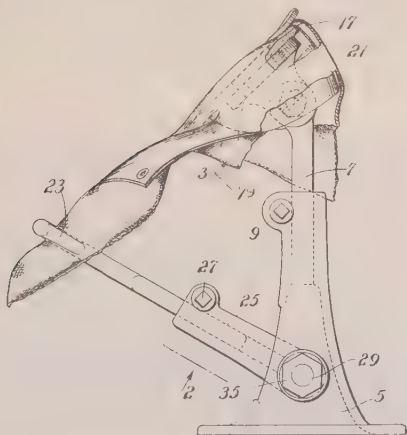
1. That improvement in methods of making turn shoes which consists in securing a shoe upper inside out to a

sole, preparing the shoe for the operation of turning the heel part of the shoe right side out by rigidly attaching a molded counter to the heel end of the sole entirely around said heel end in the relative position it is to occupy in



the completed shoe, supporting the heel end of the shoe, and reversing the heel part of the shoe, employing the attached counter as a form over which to strip the shoe upper.

1,405,531. DEVICE FOR USE IN TURNING HEEL PORTIONS OF MOLDED-COUNTER TURNED SHOES. FRED E. TOOTHAKER, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 28, 1920. Serial No. 392,223. 17 Claims. (Cl. 12-57.)

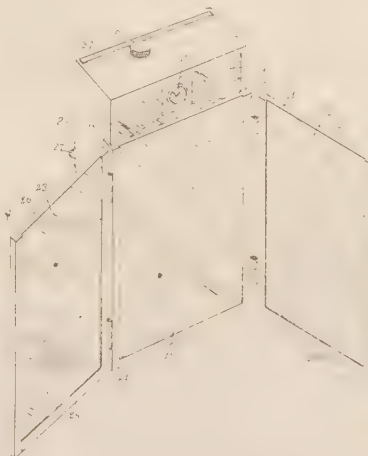


A device for use in turning the heel portion of a shoe to which a molded counter is attached, having in combination, a base and a shoe-supporting member mounted thereon, said member being shaped to enter and fit into the bottom of the counter while the shoe is wrong side out, there being a free and unobstructed space above and at all sides of the member to permit the heel portion of the upper of the shoe to be grasped by the operator and pulled over the counter.

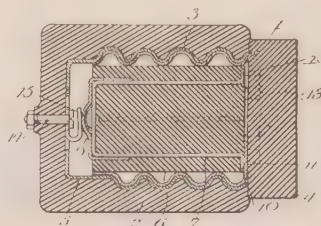
1,405,532. ELECTRIC-LIGHTED VANITY CASE. LOUIS MARKO, Dayton, Ohio, assignor of one-fourth to Stephen P. Nemeth, one-fourth to Maria Psotka, and one-fourth to Dagabert A. Scheibenzuber, Dayton, Ohio. Filed Apr. 6, 1921. Serial No. 458,933. 3 Claims. (Cl. 240-8.4.)

1. In combination in a vanity box, of an electric lamp, a source of supply of current therefor, a compartment for vanity articles, vanity articles therein, a sliding cover for said compartments, a mirror mounted on one side of the vanity box, with a folding mirror on each side thereof

said box which may be used as a handle and as a support to hold the same at varying angles.

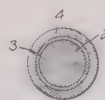


1,405,533. FUSE DEVICE. JOHN P. MENTZER, Chicago, Ill. Filed Apr. 19, 1917. Serial No. 163,170. 1 Claim. (Cl. 200-125.)



A fuse device comprising plug and socket members, whereof the plug member consists of a body portion and a base provided with a tubular member into which the body portion is fitted, said body portion being provided with longitudinally extending fuses, the ends of which project from the opposite ends of the body portion, said base being provided with a contact adapted to make contact with a projecting end of a fuse, and said body portion and base being relatively rotatable and provided with interlocking devices for preventing relative rotation, said relative rotation permitting said base contact to make contact with the ends of the different fuses one after the other, and the interlocking devices being arranged to interlock said members to maintain the same in positions in which contact is made with said fuses, said socket device being provided with a threaded member adapted to receive the threaded tubular member on said base.

1,405,534. ELECTROLYTICALLY-COATED WIRE. MATTHEW M. MERRITT, South Middleton, Mass., assignor to Merritt Metals Company, Salem, Mass., a Corporation of Massachusetts. Original application filed Apr. 15, 1919, Serial No. 290,152. Divided and this application filed Oct. 7, 1919. Serial No. 329,000. 2 Claims. (Cl. 29-182.)



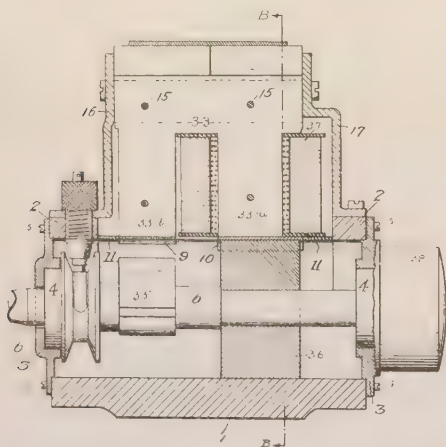
1. Wire comprising a core of aluminum, a film of oxide-excluding material surrounding said core of aluminum and a shell of copper surrounding said oxide-excluding film.

- 1,405,535. ELECTROLYTICALLY-COATED WIRE. MATTHEW M. MERRITT, Middleton, Mass., assignor to Merritt Metals Company, Salem, Mass., a Corporation of Maine. Original application filed Oct. 7, 1919, Serial No. 329,000. Divided and this application filed Oct. 4, 1921. Serial No. 505,371. 1 Claim. (Cl. 29—182.)



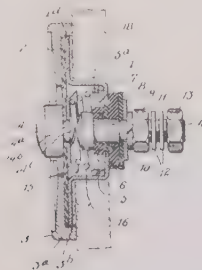
Wire comprising, in combination, a core of ferrous material and an exterior coating including adjacent the iron an electrolytic, alkaline copper deposit and an exterior electrolytic acid copper deposit.

- 1,405,536. ELECTRICAL SYSTEM. JOHN LEWIS MILTON, Louisville, Ky. Filed Feb. 26, 1919. Serial No. 279,365. 8 Claims. (Cl. 171—209.)



1. A magneto frame unit having a bore for a rotor and composed of magnetic and nonmagnetic portions, said unit having on opposite sides of the axis of the bore pole faces which magnets are adapted to engage, and having on the same side of the axis of the bore a pair of polar members, and said polar members being spaced axially of the rotor bore.

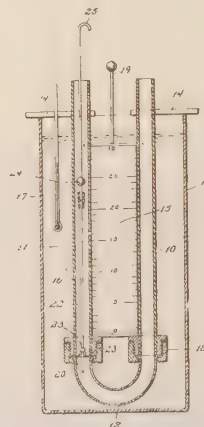
- 1,405,537. ELECTRIC SWITCH. JOHN LEWIS MILTON, Cleveland, Ohio, assignor to The Teagle Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 29, 1920. Serial No. 369,689. 3 Claims. (Cl. 200—159.)



1. In an electric switch, the combination of a casing comprising a rigid metal cup-shaped section adapted to form part of an electric circuit and a flexible non-conducting diaphragm arranged to close the open side of the cup-shaped section, an electrode mounted on and insulated from the said cup-shaped section, a second electrode mounted on the diaphragm, means comprising a spring interposed between and serving to electrically con-

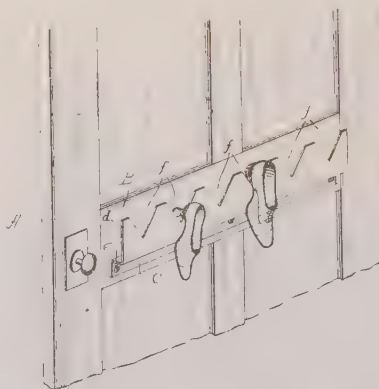
nect the cup-shaped section and the electrode on the diaphragm, said spring being adapted to normally hold the electrodes apart and to yield when pressure is applied to the diaphragm and permit engagement of the electrodes.

- 1,405,538. VISCOSIMETER. HOWARD N. MOODY, New Orleans, La. Filed Jan. 5, 1920. Serial No. 349,419. 6 Claims. (Cl. 265—11.)



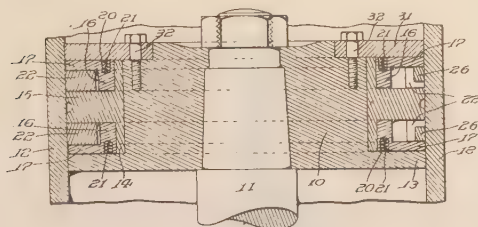
1. A viscosimeter comprising parallel upright tubes, one constituting a feed tube for the flow of liquid by gravity therefrom to the other tube, a cross connection establishing communication between the lower ends of said tubes, a stationary diaphragm arranged in the line of flow of the liquid passing from one tube to the other, said diaphragm having a predetermined orifice formed therein, and a valve independent of said diaphragm disposed within one of said tubes for closing said orifice.

- 1,405,539. SHOE RACK. BARNEY MOORE, Chicago, Ill. Filed Oct. 29, 1920. Serial No. 420,378. 1 Claim. (Cl. 211—14.)



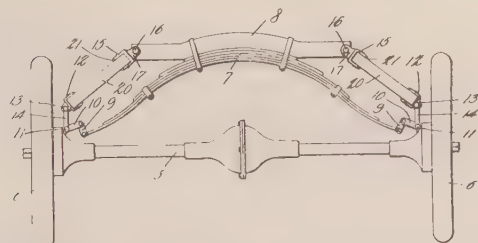
As an improved article of manufacture a metallic shoe rack made up of a single piece of sheet metal having upper and lower portions of different widths, and an intermediate portion formed by right angular longitudinal bends which positions the upper and the lower portions in different planes, the aforesaid upper portion having V-shaped recesses which are spaced apart one from the other to provide between the recesses truncated portions, the portions being of such dimensions that the inner faces of the recesses are adapted to engage opposite sides of the heel of a shoe so that the toe end of the shoe will depend and the sole will be maintained away from the support to which the rack is attached.

1,405,540. PISTON PACKING. ALFRED DILLON MORRIS, Philadelphia, Pa., assignor to Alfred W. Morris, Charles S. Wood, and Alfred Dillon Morris, a Copartnership, trading as The Morris Piston Company, Philadelphia, Pa. Filed Feb. 18, 1921. Serial No. 445,965. 9 Claims. (Cl. 74-109.)



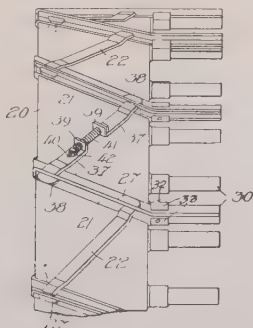
1. A piston packing comprising in combination a piston body, a bushing mounted on said body and forming a circumferential groove, a retaining ring encircling said bushing, and a split pressure ring having an eccentric portion, said pressure ring encircling said retaining ring and arranged to press against the inner wall of a cylinder, said rings being located in said groove.

1,405,541. SHOCK ABSORBER AND STABILIZER. ROBERT B. MORSE, Southport, N. C., assignor of one-fourth to Thomas H. Lindsey and one-fourth to William C. Manson, Southport, N. C. Filed July 5, 1921. Serial No. 482,432. 2 Claims. (Cl. 267-10.)



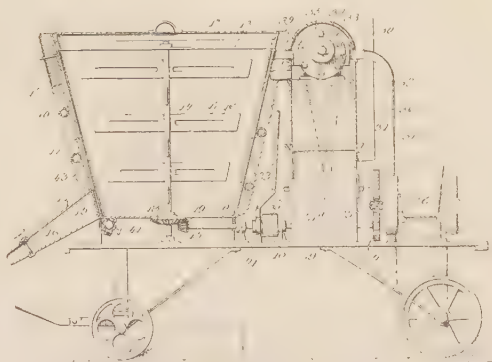
2. In combination with the chassis and axle housing of a motor vehicle, bell crank levers connected to the axle housing, a main spring having its ends connected to one of the arms of the bell crank levers, flexible members having connection with the chassis and having connection with the opposite arm to the bell crank levers, and coiled springs for normally holding the flexible members against movement.

1,405,542. DETACHABLE TREAD STRUCTURE FOR VEHICLE WHEELS. AUGUST E. MUELLER, Chicago, Ill., assignor, by direct and mesne assignments, to Universal Lug Company, Chicago, Ill., a Corporation of Delaware. Filed July 23, 1917. Serial No. 182,104. 5 Claims. (Cl. 311-44.)



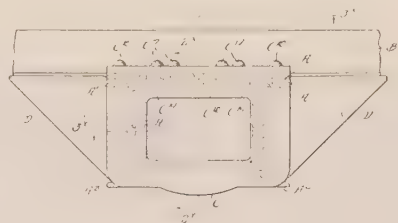
1. A tread structure for vehicle wheels comprising a series of grip bars each of which consists of a base which rests on the wheel rim, and an outstanding longitudinal flange, and links arranged between the bars and detachably interlocked at their ends thereto at the junctions of the bases and flanges.

1,405,543. TAR, SAND, AND ASPHALT MIXER. THOMAS H. MURPHY, Brooklyn, N. Y. Filed June 25, 1920. Serial No. 391,639. 4 Claims. (Cl. 94-42.)



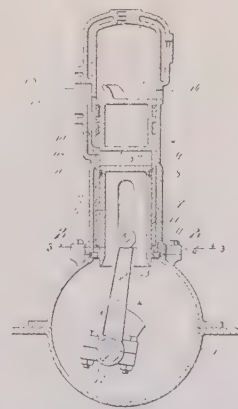
1. A mixing machine including in combination a container, an agitating element located therein, a pump, a connection between the pump and container, and a single means for heating the container and for heating the pump.

1,405,544. CAR CONSTRUCTION. JOHN O. NEIKIRK, Lombard, Ill. Filed Feb. 14, 1921. Serial No. 444,879. 4 Claims. (Cl. 213-42.)



1. A railway car comprising draft sills having flanged upper edges, an end sill having a flanged lower edge, the ends of said draft sills extending beyond the end sill, an integral striking plate casting and carry iron having upper, lower and side flanges surrounding an opening receiving the coupler shank, means securing an upper flange of the casting to the flanges of the end sill and draft sill, and separate means securing said upper flange to the flange of the end sill.

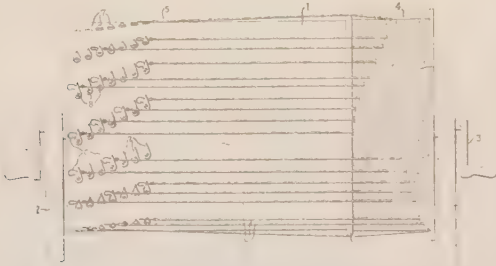
1,405,545. TWO-CYCLE ENGINE. EDWARD E. NELDNER, Milwaukee, Wis. Filed Apr. 19, 1920. Serial No. 374,964. 2 Claims. (Cl. 123-65.)



1. In an internal combustion engine, a crank case, a cylinder mounted thereon, a cylinder head disposed

within the lower end of the cylinder and spaced therefrom and having a flange clamped between the cylinder and the crank case, a reciprocable piston head within the cylinder and having a sleeve at one end fitting into the space between the cylinder and its head to form a fuel chamber between the piston head and the cylinder head, a fuel passage way, two inlet ports in said cylinder in communication with said passage way, a single port in said piston head sleeve which is in registry with the upper cylinder port at the end of the up stroke, and in registry with the lower cylinder port at the end of the down stroke, said upper port being also uncovered by the piston head when in its lowermost position whereby fuel is discharged from the fuel chamber to the firing end of the cylinder, and an exhaust port in the cylinder on the side opposite to the inlet ports.

1,405,546. DEVICE FOR TAKING IN, HOLDING, AND PAYING OUT FISHLINES. HAROLD NELSON, Brooklyn, N. Y. Filed Apr. 18, 1921. Serial No. 462,203. 2 Claims. (Cl. 43—81.)



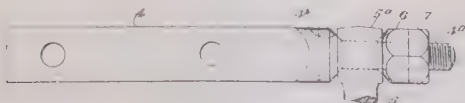
1. A device for taking in, holding and paying out fishlines of the kind described comprising a reel or drum adapted to afford a portion to receive the main line or lines and a portion across which the snoods are disposed, and having at the outer region of the latter portion a multiplicity of catches adapted and arranged to receive the hooks and automatically release the same, substantially as described.

1,405,547. NAME-PLATE ATTACHMENT. OLOF NELSON, Attleboro, Mass., assignor to The Robbins Company, Attleboro, Mass., a Corporation of Rhode Island. Filed Oct. 19, 1921. Serial No. 508,677. 3 Claims. (Cl. 40—20.)



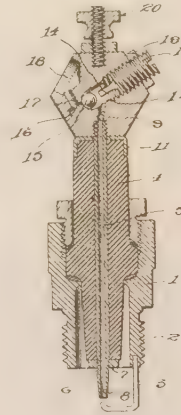
1. The attaching device above described, consisting of a tubular wedge-member and a plate having opposed free lips on either side of a slot therein, to receive the wedge-member between the lips.

1,405,548. DEVICE FOR CONNECTING CIRCUIT CONTROLLERS WITH RAILWAY SWITCHES. WALTER P. NEUBERT, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Oct. 11, 1921. Serial No. 507,123. 5 Claims. (Cl. 246—253.)



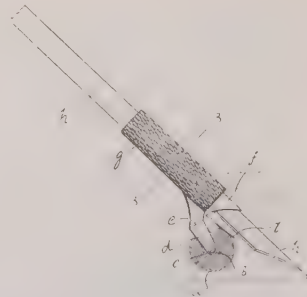
3. Apparatus for operatively connecting a circuit controller to a switch point, comprising a member having two spaced bevelled surfaces, and a co-acting member having bevelled surfaces matching those on the first member.

1,405,549. SPARK PLUG. THOMAS E. NEW, Cincinnati, Ohio, assignor to Precision Equipment Company, Cincinnati, Ohio, a Corporation of Kentucky. Filed Oct. 26, 1918. Serial No. 259,860. 3 Claims. (Cl. 123—169.)



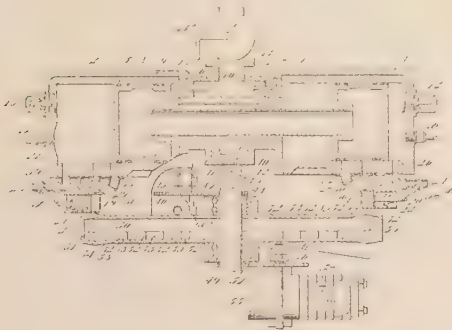
1. In a spark plug, the combination of a body portion having a hollow stem extending therethrough, a head block, provided with angularly disposed sides adapted to seat at one side upon the upper end of the body portion and having a threaded aperture at said side for the reception of the upper end of said stem for detachably securing the head block to the body of the plug, said block having a downwardly inclined recess therein opening through one of the upwardly facing sides and provided with a valve seat in its lower end and a passage leading from the recess at a point above the valve seat communicating with said stem, a removable plug fitted through said upwardly facing side for closing said recess, a valve in said recess adapted to engage said valve seat and said plug being adapted for adjustment in the recess to limit the movement of the valve, said head block further having a lateral opening leading from beneath said valve seat upwardly through a second upwardly facing side through which air is adapted to be fed to said stem through said recess when the valve is opened.

1,405,550. BLOTTER ATTACHMENT FOR PENHOLDERS. EDWARD W. L. NICOL, Forest Hill, London, England. Filed Sept. 4, 1920. Serial No. 408,313. 3 Claims. (Cl. 120—26.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



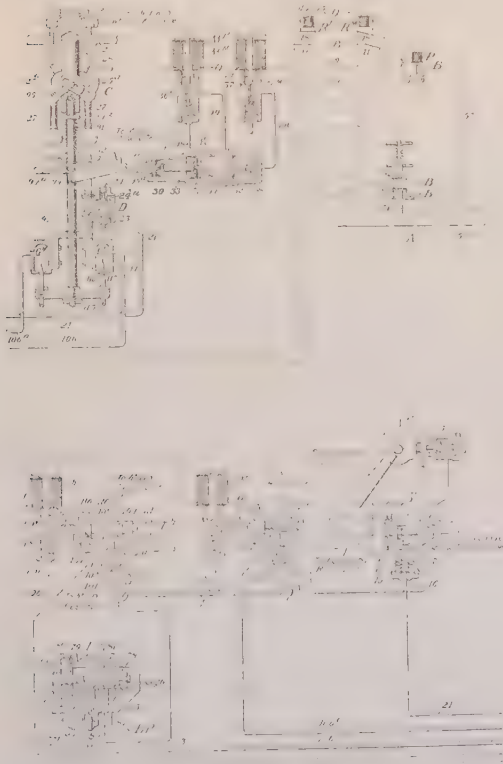
2. A blotting attachment for pen holders comprising a split sleeve adapted to be disposed upon the pen holder and having integral, oppositely disposed, laterally projecting arms at the lower end of the sleeve, said arms extending away from the sleeve and then extending approximately parallel to the axis of the sleeve, a blotter roller rotatably mounted between said arms, the axis of said roller extending at right angles to the axis of the sleeve, and a leaf spring carried by the sleeve and bearing upon the periphery of the roller.

1,405,551. TURBINE. SAMUEL WILLIAM NICHOLS, Edmonton, Alberta, Canada. Filed Sept. 19, 1919. Serial No. 324,782. 7 Claims. (Cl. 60—13.)



1. In a turbine using a combustible fluid, cylinders communicating with the turbine, pistons reciprocating in the cylinders, means for delivering a compressed charge of explosive fluid from the cylinders to the turbine, and means for delivering the exhausted products of combustion to the turbine from the said cylinders.

1,405,552. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. FRANK H. NICHOLSON, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Dec. 21, 1918, Serial No. 267,773. Renewed July 14, 1921. Serial No. 484,759. 20 Claims. (Cl. 246—74.)



1. Railway traffic controlling apparatus comprising means on a vehicle controlled from the trackway for permitting maximum speed under clear traffic conditions

in advance and for applying the brakes if the vehicle exceeds a fixed sub-maximum speed limit under restrictive traffic conditions in advance, and slow-acting means on the vehicle set into operation when an indication of restrictive traffic conditions is received for preventing operation of said brake-applying means for a variable distance of vehicle travel depending on the speed of the vehicle.

1,405,553. CARBURIZING MATERIALS. NIELS D. NIELSEN, Elyria, Ohio. Filed June 14, 1919. Serial No. 304,151. 4 Claims. (Cl. 148—30.)

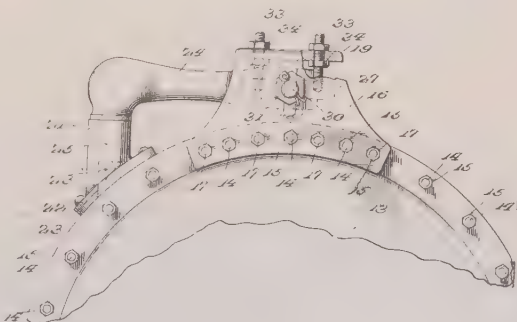
1. The process of carburizing metals, which consists in heating them in fish scale material and causing the metals to absorb carbon.

1,405,554. SPOOL RACK. AMBRO J. NORTHCRAFT, St. Louis, Mo. Filed Feb. 21, 1921. Serial No. 446,746. 1 Claim. (Cl. 242—139.)



A rack for holding thread, and the like, comprising a rack proper stamped from sheet metal and having resilient tapered ends, in one margin of which are formed a series of vertically disposed circular openings, and a holder provided on each end with a right-angular bent portion and adjacent one of said right angular bent portions provided with a flat portion adapted to pass into said slots.

1,405,555. REMOVING CRANE FOR LOCOMOTIVE SMOKE-BOX FRONTS. ARTHUR T. KUEHNER, Elkridge, Md. Filed Apr. 12, 1920. Serial No. 373,382. 18 Claims. (Cl. 29—89.)

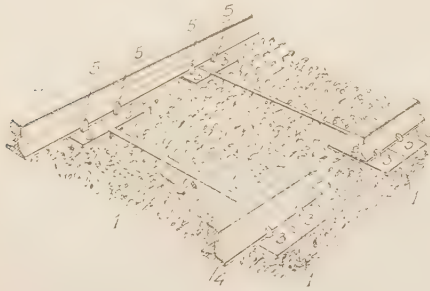


1. The combination with a locomotive smoke box, and a front closing the smoke box, of means extending between the smoke box and front whereby the front may be swung away from the smoke box about one axis and may also be turned about another axis nonparallel to the first axis.

1,405,556. METALLIC RAILWAY CROSSTIE. HARRY C. ODENKIRK, Cleveland, Ohio. Filed June 13, 1921. Serial No. 477,164. 6 Claims. (Cl. 238—58.)

1. A railway tie comprising an upright central tie member, a right angle bar or plate rigidly secured at

each end portion of the tie member and extending from the top to the bottom of said member and to each outer



end thereof, and a plurality of rail securing projections struck up from each of said bars or plates.

1,405,557. COUNTERBALANCING AND ADJUSTABLE SASH FOR WINDOWS. WILLIAM H. PEADEN, Dallas, Tex. Filed Feb. 5, 1921. Serial No. 442,797. 7 Claims. (Cl. 20—11.)

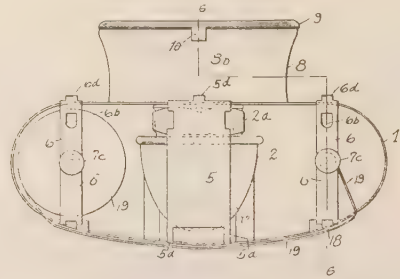


1. In a device for the purpose indicated, the combination with a guide of a window casement, of upper and lower sashes mounted in said casement, hanger means operable in the guide and having operative connections with the lower rails of the upper and lower sashes, and adjustable suspension means operatively mounted in the guide and being operatively connected to the hanger, whereby the hanger may be adjusted, and thereby adjust either one of the sashes when the other is held against movement.

1,405,558. BLOTTING INKSTAND. JACOB GEORGE SCHWARTZ, Rockingham Township, Scott County, Iowa. Filed July 26, 1920. Serial No. 399,170. 6 Claims. (Cl. 120—1.)

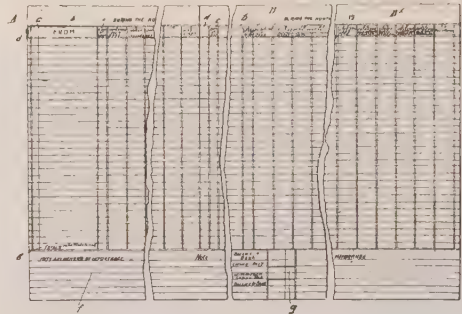
5. In an inkstand housing a pair of braces laterally disposed in upright position at the sides, spaced in suitable proximity from each end and secured to the housing in such manner as to make the housing semi-elliptical in form; a pair of braces having appositely disposed holes correspondingly formed in their centers, said holes consisting of a rounded portion connected with a square offset from one-quarter of their radius; square shaft members mounted in the holes of the braces of the ink-

stand housing, button means on the end of said shafts, spool members provided upon the square shaft members, grooves suitable for inserting the ends of a blotter roll, provided in the surfaces of the spool member; a plurality of serrated groove means right-angularly disposed.



parallel with said spools provided in the floor of the housing, suitable to admit the passage of blotter tape from one spool to the other, pad means disposed between the blotter tape and the floor of the housing between the serrated incisions, all for the purposes specified.

1,405,559. MEANS EMPLOYED IN ACCOUNTING SYSTEMS. WILMER GLADSTONE SCOTT, Vancouver, British Columbia, Canada, assignor to Celestine G. Scott, Washington, D. C. Filed Feb. 24, 1920. Serial No. 360,853. 2 Claims. (Cl. 283—66.)



1. An account system comprising monthly statement sheets each divided into two sections for monies received and monies paid out both said sections having columns numbered consecutively from the beginning of one part to the end of the other part, a yearly statement sheet divided into a form for monies received and monies paid out, said form having columns bearing the same numbers and headings as on the monthly statement, and a profit and loss form having consecutively numbered columns, the numbers beginning at the point where the numbers on the monthly statement left off.

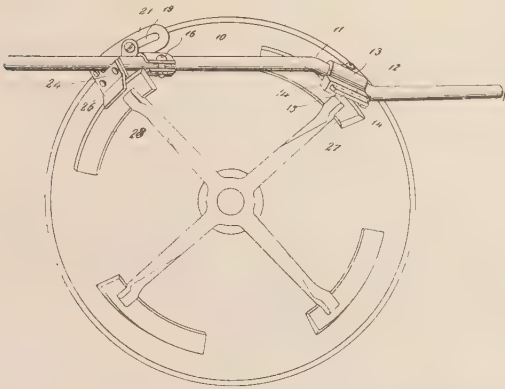
1,405,560. PROCESS OF SCOURING WOOL. THOMAS D. SMITH, New York, N. Y. Filed May 7, 1921. Serial No. 167,671. 2 Claims. (Cl. 8—12.)

1. In the scouring of wool the process which comprises treating such wool in a bath containing dissolved potassium alginate.

1,405,561. LAWN-MOWER SHARPENER. CHARLES S. SWAIM and CLINTON CORUM, Long Beach, Calif. Filed Sept. 15, 1920. Serial No. 410,531. 5 Claims. (Cl. 76—82.)

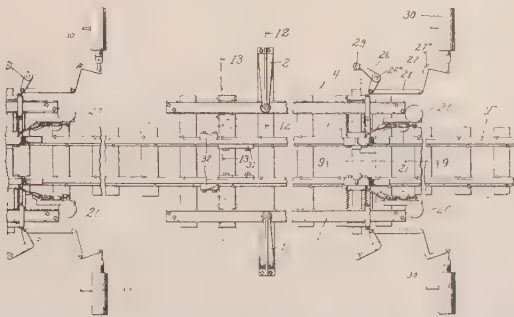
1. In a lawn mower sharpener, a supporting member, an abrasive element carried by said member and adapted

to engage one blade of the cutting drum of the lawn mower, and a guide carried by said supporting member



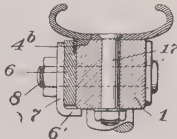
and adapted to engage a second blade of the cutting drum.

1,405,562. SWITCHING AND BRAKING DEVICE.
HOWARD VAN SCOY, Chicago, Ill. Filed Jan. 8, 1921.
Serial No. 435,819. 14 Claims. (Cl. 188—62.)



1. In a railway, a braking apparatus comprising the combination of a guide extending alongside the track, a braking device supported thereon for movement longitudinally thereof and toward and from the track, said braking device including portions arranged for cooperation with a track rail and a wheel of a car thereon, and means for moving the braking device on the guide.

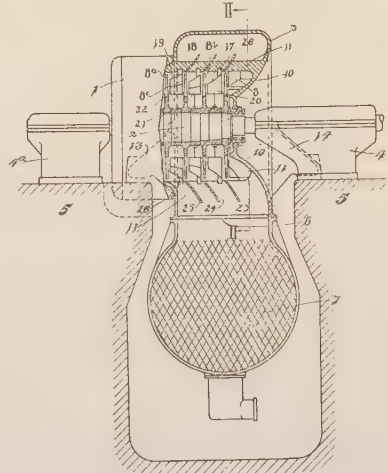
1,405,563. RIM FOR AUTOMOBILE WHEELS. NORMAN L. BAKER, Philadelphia, Pa., assignor to N. I. Baker Manufacturing Co., a Corporation of Delaware. Filed Jan. 15, 1918, Serial No. 211,983. Renewed June 25, 1921. Serial No. 480,468. 2 Claims. (Cl. 301—19.)



1. In combination a felly band having a transverse groove with an inclined bottom sloping up from one face of the wheel towards the other, a main rim portion, a clincher rim portion, each having a lug with an inclined bottom face to work on the inclined bottom of the groove and wedging means on the felly for forcing the clincher portion against the main portion of the rim and holding them in place, said main rim portion and clincher rim portion being in connection only by contact with the

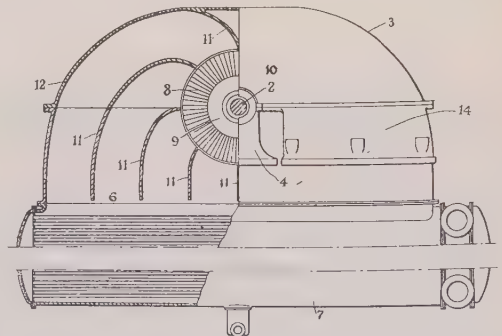
clincher rim portion bearing laterally against the main rim portion and both being removable from the felly band substantially as described.

1,405,564. STEAM TURBINE. KARL BAUMANN, Urmston, England, assignor to The British Westinghouse Electric and Manufacturing Company, Limited, a Company of Great Britain. Original application filed Oct. 4, 1916, Serial No. 123,697. Divided and this application filed Aug. 17, 1920. Serial No. 404,147. 9 Claims. (Cl. 60—95.)



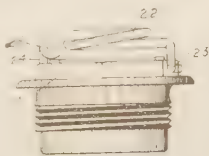
1. A low-pressure section for an elastic-fluid turbine comprising a plurality of rows of moving exhaust blades, means for changing the direction of flow of the elastic fluid from the direction in which it flows between the blades, and means for segmentally dividing the elastic fluid discharged from said blades into a plurality of portions and conducting it away in separate streams.

1,405,565. STEAM TURBINE. KARL BAUMANN, Urmston, England, assignor to The British Westinghouse Electric and Manufacturing Company Limited. Filed Oct. 4, 1916, Serial No. 123,697. Renewed Jan. 20, 1921. Serial No. 438,760. 12 Claims. (Cl. 60—64.)



1. In an axial flow steam turbine, an exhaust casing arranged so as to deflect the entire steam leaving the low pressure section of the turbine outwardly from an axial into an approximately radial direction, the enclosing walls of said exhaust casing being so formed as to conduct the radially flowing stream outwardly in substantially the same transverse plane, and guide walls located within said casing for dividing the exhaust steam into separate streams.

1,405,566. GREASE CUP. LEON N. BOURDEAU, Rock Island, Ill., assignor of one-half to John G. Sorenson, Davenport, Iowa. Filed June 14, 1920. Serial No. 388,751. 2 Claims. (Cl. 184—48.)



2. In a device of the class described, in combination with a grease cup bushing and plug adjustably held therein; a resilient coil having a hinged connection with said bushing at one side thereof, and provided at the other side with a catch adapted for releasable connection with said bushing, said catch being united with said coil by a loop capable of operation by the hand of the user.

1,405,567. AUTOMOBILE FROG. THORVALD F. CHRISTENSEN, Chicago, Ill. Filed May 7, 1921. Serial No. 467,524. 5 Claims. (Cl. 254—88.)



1. A device of the character described comprising a base, supporting members movably connected to the base, said members being arranged to engage each other, and means for supporting the engaged portions of said members in spaced relation to the base.

1,405,568. PLANT BOX. ROSCOE A. CONKLIN, Chicago, Ill. Filed Feb. 9, 1921. Serial No. 443,659. 2 Claims. (Cl. 47—41.)



2. A plant box comprising a curved plate, disks around the edges of which said plate partly extends and to which it is secured, said plate and disks forming a trough, and the disks being the end walls of the trough, supporting feet for the trough secured to the end walls thereof, and anchoring members for the trough pivotally secured to the supporting feet.

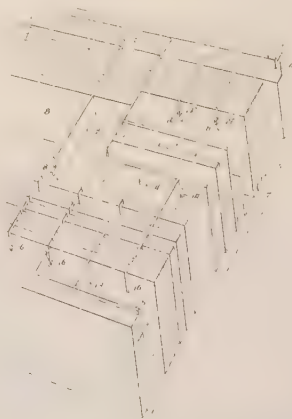
1,405,569. DISPLAY FIXTURE. GEORGE H. CRAWFORD, Lorain, Ohio. Filed Jan. 31, 1921. Serial No. 441,140. 2 Claims. (Cl. 211—24.)



1. In a display fixture, a pedestal comprising a base portion, an upright supporting stem secured at one end to the base portion, a display board, a lug adapted to be affixed to the rear of the display board, said lug being substantially semi-spheroidal and having its flat face in contact with the rear face of the display board and secured

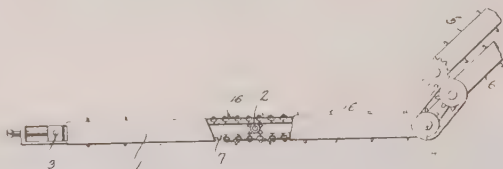
thereto, said lug presenting a plurality of sockets over its curved surface, said sockets being drilled substantially at right angles to the surface of the lug whereat they are drilled and having at least one hole drilled at an angle to such a direction, said stem being adapted to be secured at its upper end within any desired one of the said sockets, said display board having a plurality of counter-sunk cork pad circular wafers disposed within its face, securing means to secure the said wafers to the said board whereby the said board may be adjusted at various angles to the supporting stem, and whereby merchandise may be pinned to the cork wafers to display the same.

1,405,570. PRINTING RULE. ALBERT W. ERICKSON. New York, N. Y. Filed Mar. 23, 1921. Serial No. 454,700. 1 Claim. (Cl. 101—400.)



In linotype printing forms, in combination, type slugs with grooves provided transversely of their printing portions, a reversible printing rule to fit within the grooves, the rule having reduced ends, centrally disposed relatively to its height, and opposite end slugs having longitudinally continuous recesses adapted to engage the reduced ends of the rule.

1,405,571. BINDER PLATFORM. GILBERT DAVIS, Nicholson, N. D. Filed Jan. 30, 1919, Serial No. 273,965. Renewed June 25, 1921. Serial No. 480,465. 1 Claim. (Cl. 198—193.)

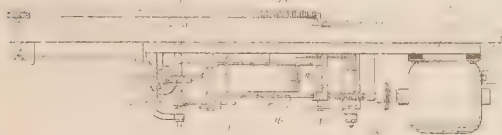


An endless apron, comprising a plurality of flat plates, each plate having a longitudinal edge upturned at an obtuse angle and having its opposite longitudinal edge similarly upturned and rebent to form an anticlinal portion, the plates being arranged with the outer lip of the anti-clinal portion overlapping the upturned edge of the last plate, other plates secured to the flat plates between the upturned edges thereof whereby independent movement thereof will be resisted independent of the securing means and having an edge upturned and toothed, and means connecting the plates to admit of their articulation.

1,405,572. MOTOR DRIVE FOR PHONOGRAPHS. JOSEPH HUNTER DICKINSON, Cranford, N. J., assignor to The Aeolian Company, a Corporation of Connecticut. Filed Mar. 20, 1917. Serial No. 156,120. 8 Claims. (Cl. 185—40.)

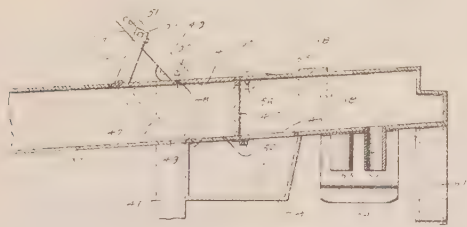
8. In a phonograph, a rotary record bearing member, a spring for driving the same, electric motive means arranged to operate while the record bearing member is ro-

tating and having operative connection with the spring to maintain the same in a partially wound condition to a predetermined degree during the rotation of the record bearing



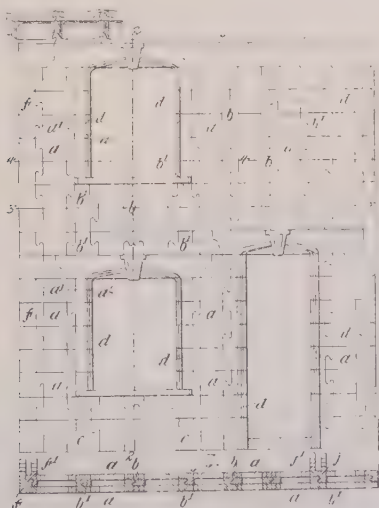
member, a brake for the record bearing member, and a governor arranged to actuate said brake to maintain the record bearing member at a continuous and regular rate of rotation.

1,405,573. MACHINE FOR CATCHING AND DESTROYING BOLL WEEVILS. DARGAN P. ELLIOTT, Rimini, S. C. Filed July 7, 1921. Serial No. 482,927. 6 Claims. (Cl. 43—140.)



1. A suction insect remover including a suction conduit having a screen therein intermediate its ends and provided with a downwardly opening door adjacent to the screen and between the latter and the intake end of the conduit, a trap below the conduit into which the said door opens, a second door in the conduit on the outlet side of the screen, having a portion thereof movable across the conduit in the open position of the door, and a lever having connections for simultaneously moving the said doors as described.

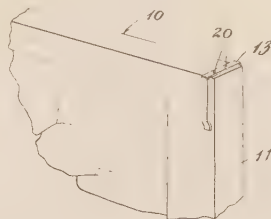
1,405,574. BLOCK USED FOR BUILDING PURPOSES. ACHESON FERGUSON, Belfast, Ireland. Filed Mar. 26, 1920. Serial No. 369,087. 2 Claims. (Cl. 72—38.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A double-hooked interlocking reversible building block having interlocking recesses and projections at two oppo-

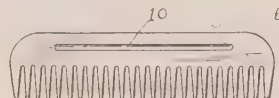
site sides and made level at the other sides so as to give a horizontal joint when built into a wall, transverse bonding members integral with the blocks and serving to bond together the outer and inner portions of a hollow wall built with the interlocking reversible blocks, the transverse bonding members forming a vertical hooked joint which prevents the passage of damp from the outer wall blocks to the inner wall blocks.

1,405,575. ANTIRATTLER FOR WINDOWS AND DOORS. WALTER S. FORBES, Port Richmond, N. Y. Filed Oct. 6, 1919. Serial No. 328,937. 2 Claims. (Cl. 292—19.)



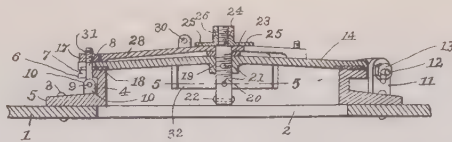
1. A device of the class described comprising an attaching yoke, resilient arms at opposite ends thereof, said arms being adapted to straddle the sash frame of a window and inwardly and outwardly bent portions at the ends of the arms.

1,405,576. FIBER COMB. SAMUEL FRIEDMAN and MAX OHLBAUM, New York, N. Y. Filed Mar. 12, 1921. Serial No. 451,926. 3 Claims. (Cl. 132—11.)



1. As an article of manufacture a comb cut from a blank having non-coated surfaces impervious to moisture, said comb having an outer surface provided with a lengthwise extending depressed portion.

1,405,577. TANK-CAR-DOME COVER. MYERS A. GARRETT, Chicago, Ill., assignor of one-half to Clifton D. Pettis and one-half to Carlton M. Garrett, New York, N. Y. Filed Sept. 16, 1920. Serial No. 410,608. 14 Claims. (Cl. 220—55.)

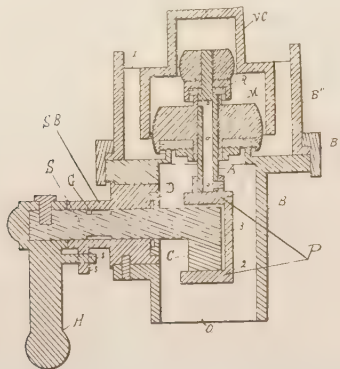


1. The combination with a tank body sheet having an opening, of a ring secured about said opening and provided with threads; a second ring having threads to match the threads of the first-mentioned ring, a flange and an edge to receive a cover, said second ring being removably screwed to the first-mentioned ring; hinged threaded bolt shanks pivotally secured to one of said rings; a cover having slots in its edge to receive the said bolt shanks; and nuts upon the bolt shanks for forcing the cover into close frictional contact with the edge of the second mentioned ring.

7. The combination with a tank body sheet having an opening, of a ring secured about said opening and provided at its edge with a seat for a removable cover, a cover detachably secured to the ring by bolts and nuts, a threaded hole in the cover, a threaded plug in said hole, and a

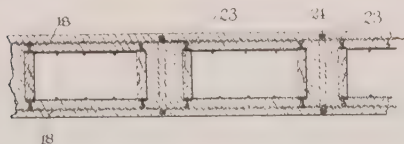
nut guard device in connection with the plug and adapted to be raised and lowered along with the plug when it is screwed into and out of the hole in the cover.

1,405,578. DUPLEX VALVE. JOHN LINCOLN GISH, South Bend, Ind. Filed Mar. 1, 1919. Serial No. 280,180. 6 Claims. (Cl. 137—93.)



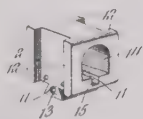
1. In a duplex valve comprising an apertured valve-casing enclosing a ball-like main valve and a ball-like relief-valve, said relief-valve having a stem extending through said main valve and provided with a stop to engage said main-valve, a circumferential guide for said main-valve, forming a part of said casing said relief-valve contacting in a loose running fit, with the inner wall of said guide, during the reciprocating movement of said relief-valve, thereby limiting the rolling or toppling-over tendency of said main-valve, during the opening or closing of said duplex valve, whereby, the said main-valve is kept in its working vertical alinement, with its valve seat.

1,405,579. MONOLITHIC WALL. MALCOLM J. GRAHAM, Beaumont, Tex. Filed May 8, 1920. Serial No. 379,813. 2 Claims. (Cl. 72—47.)



1. A monolithic wall including laterally spaced and covered frames forming air spaces therein and constituting permanent parts of the wall, continuous reticulate reinforcements secured continuously along and spaced from opposite sides of the frames, vertically extending reinforcing members outwardly beyond and secured to the reticulate reinforcements opposite the spaces between the frames and plastic material between and around the frames and enclosing said reinforcements.

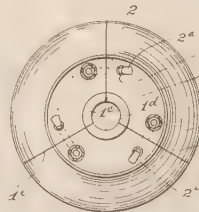
1,405,580. GUN SIGHT. SAMUEL G. GREEN, U. S. Army. Filed Dec. 27, 1920. Serial No. 433,168. 10 Claims. (Cl. 33—59.)



6. A gun sight including a housing having a sight opening, means provided with a sight opening and adjustable

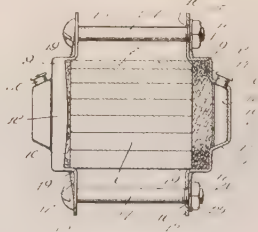
transversely of the housing, and a sight blade carried by said means and disposed centrally of the sight opening thereof.

1,405,581. IMPLEMENT PULVERIZER DISK. RICHARD H. GRIFFITH, Bellevue, Ohio, assignor to The Ohio Cultivator Company, Bellevue, Ohio, a Corporation of Ohio. Filed Jan. 8, 1921. Serial No. 435,953. 8 Claims. (Cl. 97—64.)



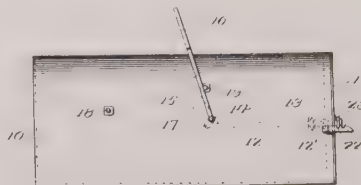
1. A pulverizer disk, comprising radially divided sections including closed sides terminating in segmental treads and bearings, said closed sides being provided with removable fastening elements arranged within said closed sides and bridging the joints of said sections.

1,405,582. LEAF-SPRING LUBRICATOR. WILLIAM GRUS, Jr., Chicago, Ill. Filed June 12, 1916. Serial No. 103,103. 41 Claims. (Cl. 184—1.)



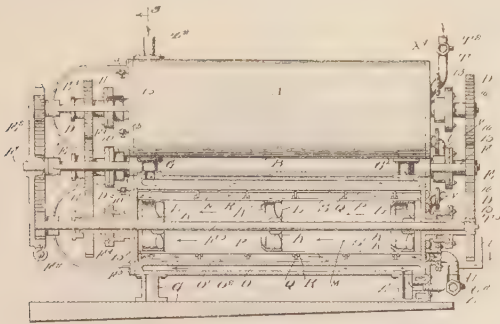
14. A leaf spring lubricator comprising a sheet metal stamping having spaced-apart shoulders adapted to fit over the leaf spring above and below the same, a recess to form an oil reservoir in the bottom of the stamping intermediate said shoulders with a wall surrounding said recess, a pad of absorbent material between said shoulders to cover and surround said reservoir, and a partition separate from said stamping but adapted to be disposed over said recess to prevent the pad from being squeezed into said recess.

1,405,583. MAIL-BOX SIGNAL. HAROLD E. GUSTAFSON, Harcourt, Iowa. Filed Dec. 8, 1920. Serial No. 429,121. 2 Claims. (Cl. 232—35.)



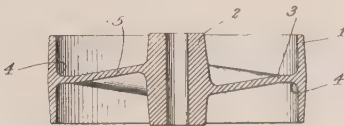
1. The combination with a wall and swinging door of a mail box, of a pivoted signal arm on the wall, a weight carried by the signal arm inwardly of the wall of the box, a longitudinally slidable rod mounted inwardly of the wall and operatively connected with the said weight, and means for holding the door in closed position to move the rod inwardly and elevate the signal arm at times, and in closed position out of engagement with the rod to permit the signal arm to remain in lowered position.

1,405,584. APPARATUS FOR COOLING LARD, ETC. CHARLES S. HARDY, San Diego, Calif. Filed Oct. 22, 1919. Serial No. 332,539. 11 Claims. (Cl. 257—84.)



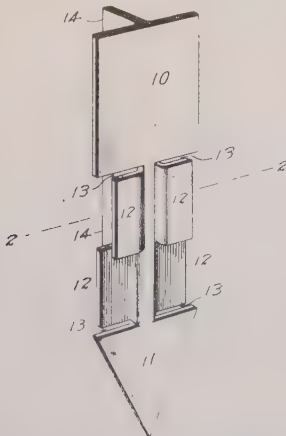
3. In an apparatus for cooling and homogenizing lard, in combination, a plurality of stationary cooling cylinders symmetrically grouped around a common axis and having front and rear heads, said cylinders inclining downwardly from their rear ends to their front ends.

1,405,585. CASTER WHEEL. WALTER F. HEROLD, Newark, N. J., assignor to The Bassick Company, Bridgeport, Conn., a Corporation of Connecticut. Filed May 17, 1921. Serial No. 470,248. 3 Claims. (Cl. 16—45.)



2. A caster wheel comprising an integral casting having a hub, web and rim, the web being in the form of a disk which joins the rim approximately at the vertical central plane of the wheel, the web being shaped to form radial corrugations which start from said central plane and extend to the hub at inclinations to said plane, said corrugations having surfaces which are convex on one side and concave on the opposite side of the web, in the circumferential direction.

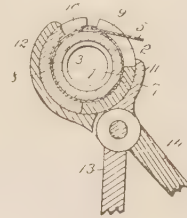
1,405,586. FENCEPOST. PERCY J. HINDMARSH, Lincoln, Nebr. Filed Oct. 26, 1920. Serial No. 419,690. 7 Claims. (Cl. 189—29.)



3. A metal fence post T-shaped in cross section and having on its ground entering part vertical surfaces, one

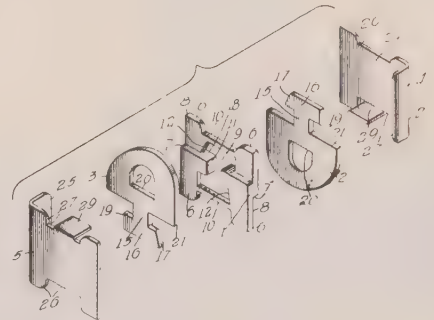
above another and in different vertical planes that diverge from one another at the rib member of the post.

1,405,587. CLAMPING TOOL. JESSE T. HOPKINS, Kansas City, Mo. Filed Oct. 2, 1919. Serial No. 328,016. 3 Claims. (Cl. 81—9.3.)



1. In a clamping tool, two clamping members adapted to embrace and hold under compression along the substantially full circumference of a hose a flexible metal strip, one of said members having a slot adapted to receive therethrough one end of the strip, and means for forcing said clamping members toward each other, substantially as set forth.

1,405,588. FUSIBLE LINK. MORTON K. HOPKINS, Chicago, Ill., assignor to John L. Kennedy, Chicago, Ill. Original application filed May 6, 1918, Serial No. 232,911. Divided and this application filed July 15, 1918. Serial No. 245,105. 8 Claims. (Cl. 169—42.)

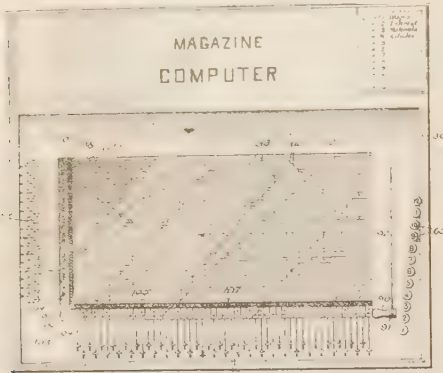


1. A fusible link comprising members formed to lie one upon the other with the free ends extending in opposite directions, each member being provided with key engaging means, in combination with a cooperating key member formed with an opening therein and offset parts on opposite sides thereof, the opposed members each having neck and head portions insertable within the opening in the key, the head portions thereof cooperating with the offset shoulders of the key, whereby the parts may be arranged in a substantially unitary formation, substantially as described.

1,405,589. COMPUTING MECHANISM. JOHN T. HOWIESON, deceased, Rochester, N. Y., by Alida B. Howieson, administratrix, Flushing, N. Y., assignor to Alida B. Howieson, Flushing, N. Y. Filed July 26, 1920. Serial No. 399,183. 39 Claims. (Cl. 235—69.)

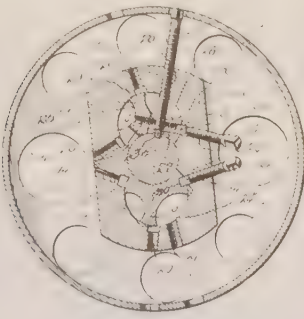
1. A calculating mechanism embodying a table of computations arranged in intersecting columns of relative values, and a table concealing screen composed of series of intersecting strips respectively covering the intersecting columns of computations, the alternate strips of each se-

ries being in different planes, each series completely covering all of the computations, and each strip being



movable transversely into substantially coextensive relation with an adjacent strip.

1,405,590. ADJUSTABLE PULLEY. MOULTON L. HUDSON, Canton, N. C. Filed Apr. 6, 1921. Serial No. 458,915. 10 Claims. (Cl. 64-17.)



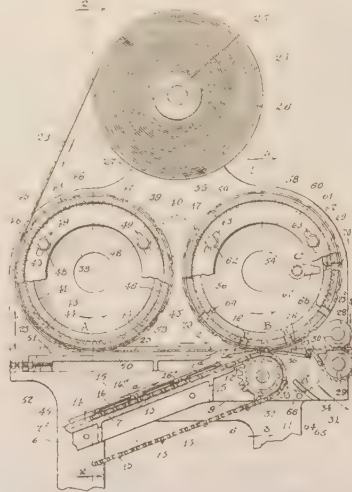
1. A rotatable element having a hub formed with a shaft passage, a pair of passages circular in cross section, extending parallel to and intersecting the shaft passage, cylindrical bearing members rotatably disposed in and fitting the last named passages and each having a plurality of concave bearing faces of different curvatures, and means for clamping said bearing members in rotatively adjusted positions.

1,405,591. NONSTRETCHABLE CORD. JOSEPH H. HUNTER, Detroit, Mich. Filed Oct. 11, 1920. Serial No. 416,113. 3 Claims. (Cl. 28-5.)



1. A non-stretchable flexible material comprising a central core formed of a metallic link chain, a body surrounding said core formed of a plurality of spiral wrappings of stranded material alternately wound in opposite directions, said wrappings enlarging and rendering substantially uniform the diameter of the body, and a fabric cover for said wrappings.

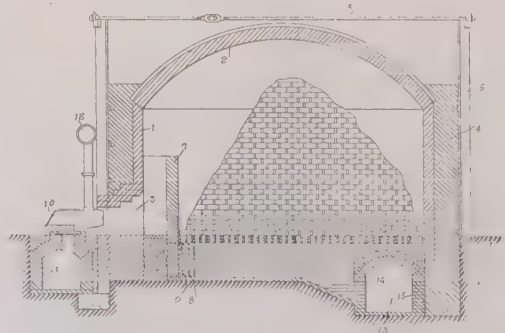
1,405,592. METHOD AND APPARATUS FOR CUTTING AND APPLYING GASKET LINERS TO CAN ENDS. AXEL JOHNSON, Oakland, Calif., assignor to American Can Company, San Francisco, Calif., a Corporation of New Jersey. Filed Oct. 29, 1917. Serial No. 199,109. 48 Claims. (Cl. 113-80.)



1. An apparatus for the described purpose, the same comprising primary cutting instrumentalities for partially severing a ring liner and a central core piece from flat liner material, secondary punch instrumentalities for removing the partially cut liner and core piece from said liner material, mechanism for advancing the liner material successively to said instrumentalities, and means for advancing and positioning an unlined flanged can end into axial alignment with the second mentioned instrumentality to receive onto the flange thereof the ring liner removed thereby from the liner material.

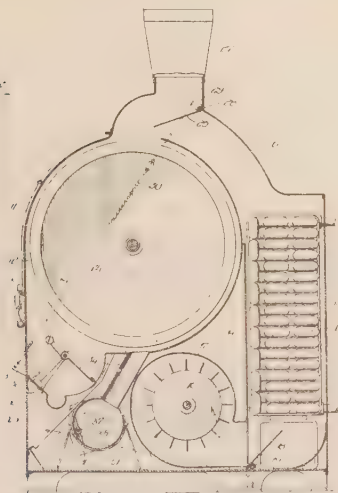
32. The method of forming liners from a sheet of liner material and applying the same to a metallic can end having a laterally projecting flange, which consists in placing a web of liner material carrying a partially formed liner against the edge of the can end, pressing the web against the edge of the metal forming the flange of the can end at one or more points, and progressively shifting the pressure from said point or points along the edge of the metal for removing the liner from the web of material and depositing the same onto the flange of the can end.

1,405,593. APPARATUS FOR BAKING MATERIAL (DOWNDRAFT KILNS). ITHAMAR M. JUSTICE and GLEN A. WILLIGMAN, Dayton, Ohio. Filed Nov. 8, 1920. Serial No. 422,427. 8 Claims. (Cl. 25-145.)



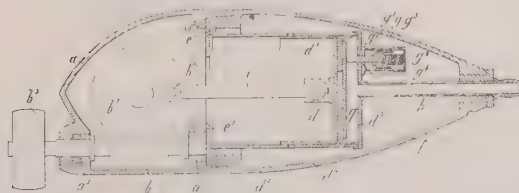
1. In combination, a kiln, a burner on one side thereof, a downwardly sloping trough, and an exit passage way for the waste gases at the other side of the kiln communicating with the trough.

- 1,405,594. DRY-ROOM TUMBLER. LESLIE H. KAMPER, VICTOR E. ADLAND, and WILLIAM BARTHOLOMEW, Chicago, Ill. Filed Mar. 10, 1920. Serial No. 364,648. 11 Claims. (Cl. 34—5.)



8. In a dry-room tumbler, the combination of a receptacle in which clothes are dried, means for causing hot air to flow through said receptacle in one direction for drying the clothes, an independent means for causing cold air to flow through said receptacle in another direction for freshening said clothes, and independent means for controlling the hot and cold air supplies; the hot air supplying means comprising an air heating compartment, means for passing air from the heating compartment to the clothes-containing receptacle, means for controlling both ingress and egress of the air of said heating compartment, means for controlling the supply of cold air to the clothes-containing receptacle, and a common actuating means for all of said air controls.

- 1,405,595. LIQUID-ELEVATING APPARATUS. HENRI KAPFERER, Paris, France, assignor to La Societe Astra, Billancourt, France, a Company organized according to French law. Filed Mar. 20, 1918. Serial No. 223,585. 5 Claims. (Cl. 103—68). (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

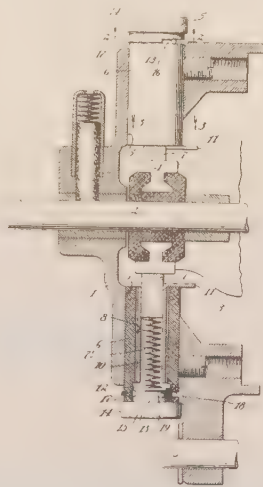


1. In a liquid elevating apparatus, a cylinder, a piston mounted to reciprocate therein, a valve connected with the cylinder, and having means to contact with the piston and be opened thereby when the piston approaches the end of its compression stroke, a conduit receiving the liquid to be conveyed, inlet and outlet check valves connected in the conduit, a shell connected with the conduit between the check valves, a flexible diaphragm arranged within the shell, and a conduit for connecting the cylinder and diaphragm.

4. In liquid elevating apparatus, a pulsator having a flexible diaphragm, an air pump arranged in a stream line casing; the cylindrical body of the said pump being connected by a flexible hose to the pulsator and provided at the bottom with an auxiliary non return valve having

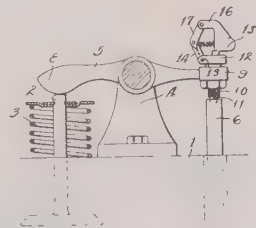
a rod actuated by the pump piston about the end of the compression stroke so as to place the body of the pump and the flexible hose connecting with the pulsator in communication with the atmosphere, the pulsator being formed by an aneroid box having thin metallic walls, flexible and capable of being contracted and expanded under the combined effects of decreased and increased pressure induced by the pump placed in the valve box and dividing this latter into two compartments, one of which communicates with the pump and the other with and between two non return valves opening and closing in the same directive sense and interposed on the length of the ascending column of liquid to be raised.

- 1,405,596. BRUSH HOLDER. JOHN D. KARLE, Roselle Park, N. J., assignor to Diehl Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed May 10, 1919. Serial No. 296,130. 4 Claims. (Cl. 171—324.)



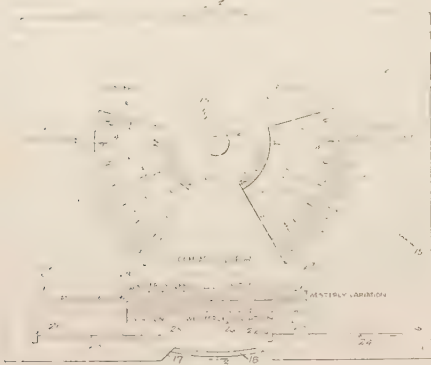
1. In a brush-holder, in combination, an open-ended brush-tube adapted to receive a commutator-brush and spring, a breech-plug entering said tube and forming an abutment for said spring, said plug having a recess in that portion which enters said tube, and a spring device circumferentially embracing said tube and adapted to snap into said recess to hold the plug in operative position against the thrust of the brush-spring.

- 1,405,597. VALVE-OPERATING DEVICE FOR INTERNAL-COMBUSTION ENGINES. JAMES B. KIRBY, Cleveland, Ohio. Filed Apr. 12, 1919. Serial No. 289,616. 4 Claims. (Cl. 123—90.)



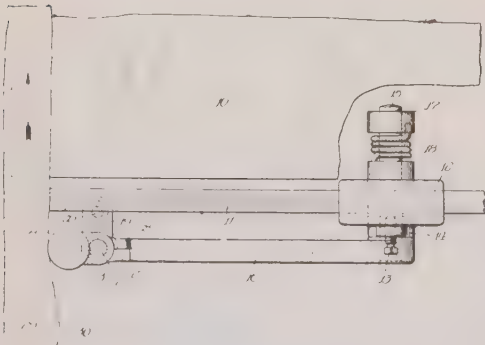
1. In an internal combustion engine of the poppet valve type, the combination with a valve-stem and its lifting rod, of connecting means interposed therebetween and comprising a series of links pivoted together and at their ends, and spring means tending to deflect said links laterally, said links being arranged to open the valve by a pulling action when the lift-rod is raised.

- 1,405,598. COURSE CORRECTOR. FRED M. KRAMER, San Francisco, Calif. Filed Aug. 12, 1919. Serial No. 316,988. 4 Claims. (Cl. 235—83.)



1. A device of the character described, comprising a mounting having diametrically opposite segmental windows, a pivot at the center of the arcs, a compass card, rotative about the pivot and having its degree calibrations contiguous to the outer edges of the windows, east and west degree indicia extending from diametrically opposite zero points around the outer edges of the windows and co-ordinate with the compass degree scale, and a course index member interposed between the card and the mounting and having opposite indices to be set in selective relation to the respective indicia and show, on the compass card, the compass course.

- 1,405,599. BOARD GUIDE. FRANKLIN L. LANE, Beloit, Wis., assignor to P. B. Yates Machine Company, Beloit, Wis., a Corporation of Wisconsin. Filed June 26, 1920. Serial No. 391,936. 4 Claims. (Cl. 143—173.)

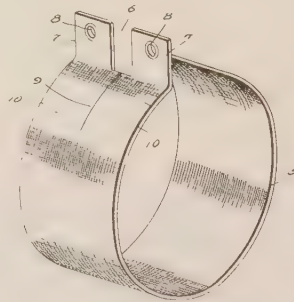


1. A board-guide for wood-working machines, comprising in combination, a support, an element mounted for movement with relation to said support, a guide-member against which the edge of the board is adapted to bear to position the board movably mounted on said element to permit it to be shifted out of normal guiding position by the travel of the board edge thereon, means to automatically return said member to such normal position after such displacement, and spring means tending to hold said element in a position to render said guide-member operative but permitting the element to be depressed to carry the guide-member into inoperative position.

- 1,405,600. METHOD FOR THE TREATMENT AND UTILIZATION OF SCRAP OR WASTE LEATHER. SAMUEL CHARLES LANSDOWN, Melbourne, and PHILIP MAGNUS, North Fitzroy, near Melbourne, Victoria, Australia. Filed Oct. 14, 1918. Serial No. 258,108. 1 Claim. (Cl. 106—3.) Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

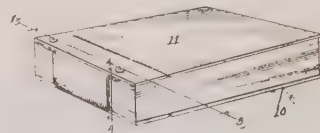
An improved method of and means for the treatment and utilization of scrap or waste leather consisting of reducing the same to a coarse powder, cleansing the powdered leather with oxalic acid, adding thereto an adhesive and drying composition consisting of liquid glue, boiled linseed oil, carbolized oil and oil of cloves in or about the proportions set out substantially as herein described.

- 1,405,601. TRANSMISSION-BAND LINING. LEWIS L. LIBBY, Plainfield, N. J., assignor to Harry T. Shriver, West Orange, N. J. Filed July 24, 1920. Serial No. 398,647. 2 Claims. (Cl. 188—259.)



1. As a new article of manufacture, a transmission band lining for interposition between the drums and the bands of a transmission; the said lining having one end bifurcated and apertures in the arms of the bifurcation and also having a longitudinal central slit or cut extending from the base of the bifurcation and forming side by side portions.

- 1,405,602. BACK FOR LOOSE-LEAF FILES. CHARLES F. MCBEE, Athens, Ohio, assignor to the McBee Binder Co., a Corporation of Ohio. Filed Sept. 18, 1919. Serial No. 324,297. 2 Claims. (Cl. 129—1.)

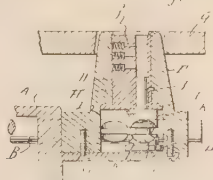


1. A loose leaf file comprising a lower cover orificed to register with orifices in the sheets to be bound, a plate to be positioned between the lower cover and the sheets, and a plate to be positioned above the sheets, each of said plates orificed to register with the orifices in the lower cover and sheets, a flexible back of indeterminate length designed to be fitted to the desired volume and held in permanent position by being doubled back over the said plates, a binding means to pass through the lower cover sheets and plates and hold them and also the flexible back in position, substantially as shown and described.

- 1,405,603. TRANSMISSION LOCK FOR MOTOR VEHICLES. ROBERT H. McDONOUGH, Detroit, Mich. Filed July 30, 1920. Serial No. 400,132. 5 Claims. (Cl. 70—126.)

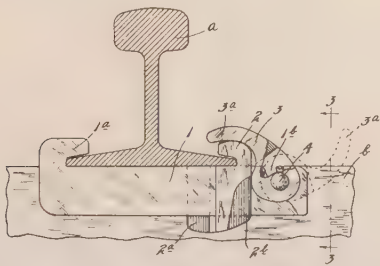
1. A lock, comprising a rod or shaft transversely formed with a segmental notch and longitudinally ribbed centrally of said notch, of a locking member rotatable transversely

of said rod or shaft provided with an annular groove registrable with said rib and projecting into a notch of



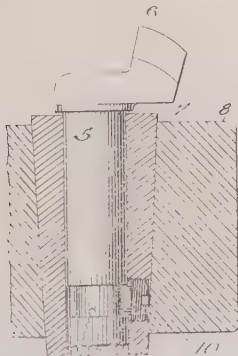
said rod or shaft in one position of rotation, in which position said rib is engaged in the groove of said locking member.

1,405,604. RAIL ANCHOR. HARVEY P. MCFARLAND, Burlington, Iowa, assignor of one-half to Charles W. Baldridge, Chicago, Ill. Filed Aug. 31, 1921. Serial No. 497,175. 8 Claims. (Cl. 238—317.)



1. A rail anchor comprising a member underlying a rail and arranged to extend over the flange at one side thereof, means movable relatively thereto for clamping the rail adapted to contact with the cross tie, and cam means detachably engaging said member for clamping said means against the rail.

1,405,605. LATHE TOOL. GEORGE EDWIN MADISON, Muskegon, Mich., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed Mar. 11, 1918. Serial No. 221,590. 2 Claims. (Cl. 29—96.)

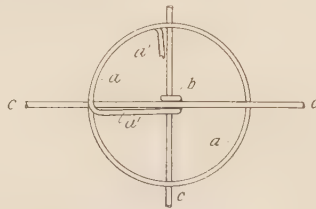


1. The combination with a cutter bar having a tapered seat, and an exteriorly tapered sleeve seated in said seat, said sleeve having a cylindrical bore, of a cutting tool having a cylindrical shank journaled in the bore of said sleeve for free rotation therein, and a cutting edge at the end of said shank, and means to retain said shank in said sleeve.

1,405,606. SPRING. CHARLES EDGAR MANNERS, Glenville Glen, Crafrers, South Australia, Australia. Filed Aug. 26, 1920. Serial No. 406,099. 1 Claim. (Cl. 5—29.)

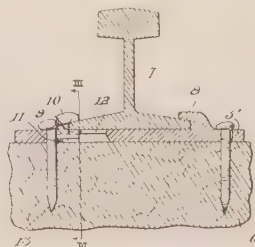
A device of the character described including upper and lower crossed frame wires extending substantially at right

angles to each other, and coiled springs interposed between said upper and lower frame wires and having their axes substantially aligned with the intersecting points of said crossed frame wires, each of said springs being provided with an inwardly projecting end portion bent back upon itself to form a hook having an open end and a closed end, the closed end being substantially below the plane of



said inwardly bent portion and an intermediate portion of said hook being arched upwardly to overlie one of said frame wires and at opposite sides of the other cross frame wire, said closed end of said hook being engaged under the last named cross frame wire, whereby the hook and said crossed frame wires are interlocked against lateral displacement.

1,405,607. RAIL-TIE CHAIR. JOSEPH J. MARKOVICH, Uniontown, Pa. Filed Oct. 22, 1921. Serial No. 509,498. 1 Claim. (Cl. 238—304.)



A rail tie chair comprising a metallic plate adapted to be disposed flatly upon the upper surface of a rail tie and to have a rail rest thereon, said plate having a lip along one side adapted to engage over one of the base flanges of said rail and having transversely elongated slots adjacent the other side with clips slidably held in said slots, said slots being of such length as to permit spikes to be driven therethrough between the outer ends of the slots and the said clips for holding the latter in engagement with the other base flange of said rail, the said slots being undercut, and the said slidable clips embodying separable head and base members, the base members being beveled on their upper surfaces so as to fit snugly in the undercut portions of the said slots of the metallic plate, the head members adapted to rest upon the metallic plate, and screw bolt connections for the head and base members.

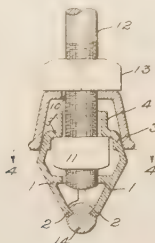
1,405,608. SECTIONAL INSULATOR. SAMUEL S. MATTHES, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Aug. 3, 1921. Serial No. 489,521. 10 Claims. (Cl. 191—39.)



1. A trolley device comprising in combination an interrupted conductor, insulating means for holding the terminals of the conductor a fixed distance apart, and means for guiding the trolley across the break comprising a bar secured to both sides of the insulating means and having portions extend laterally thereof and having the inner ends of the laterally extending portions connected by a cross-

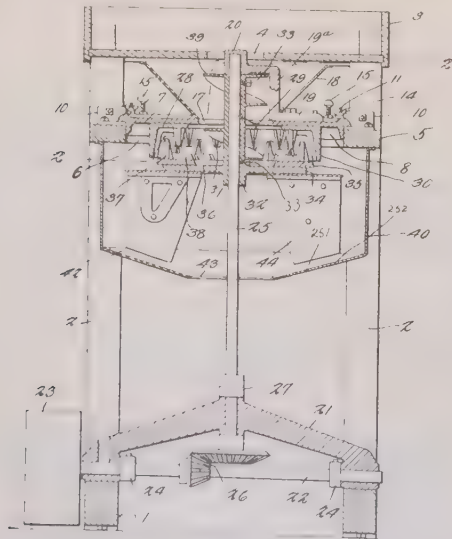
over member, the lower surface of the bar being in the same horizontal plane as the lower surface of the conductor except the outer ends of the bar which are up-turned.

1,405,609. CONDUCTOR SUPPORT. SAMUEL S. MATTHES, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Sept. 8, 1921. Serial No. 498,227. 6 Claims. (Cl. 191—43.)



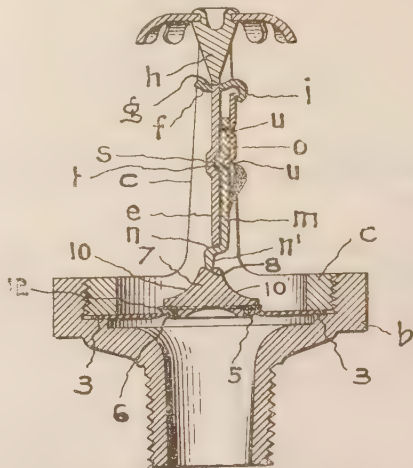
1. A conductor clamp comprising a pair of clamping members, jaws at one edge to engage and grip a conductor, a truncated portion on the clamping members adjacent the opposite end from the jaws, a supporting member positioned within the truncated portion of the clamping members and engaging the side walls thereof to prevent relative rotation, and engaging means on the clamping members to support the clamping members, means on the supporting member to secure the clamp to a hanger, a truncated cap mounted on the truncated portion of the clamping members to move the clamping members towards each other, and hanger means coacting with the supporting means and cap to move the clamping members into engagement with the conductor.

1,405,610. STRIPPER AND HULLER. EDWARD N. MAULL, Jacksonville, Fla., assignor of one-half to Henry C. Ploof, Jacksonville, Fla. Carved out of application on which Patent No. 1,232,064 was granted July 3, 1917, and filed after grant of that patent. This application filed Apr. 25, 1919. Serial No. 292,533. 2 Claims. (Cl. 130—30.)



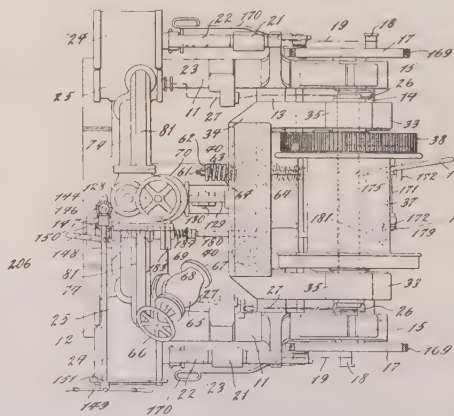
1. In a machine of the class described, a fixed upper stripping member having a receiving opening; a feed screw rotatable in the opening; and a rotatable lower stripping member cooperating with the upper stripping member and carried by the feed screw, the feed screw extending into the space between the stripping members.

1,405,611. SPRINKLER. JOHN R. MEADOWCROFT, Montreal, Quebec, Canada, assignor, by mesne assignments, to General Fire Extinguisher Company, New York, N. Y., a Corporation of New York. Filed Apr. 19, 1915. Serial No. 22,529. 3 Claims. (Cl. 169—39.)



1. An automatic sprinkler comprising a body portion provided with an outlet, a frame, a valve for closing said outlet, and a valve-holding device interposed between said frame and said valve, said valve-holding device embodying a post-member, a lever-member and a key-member, said post-member being provided with a plate having a lip forming a fulcrum for said key-member and having a depression arranged to be engaged by said frame.

1,405,612. TOWING ENGINE. THOMAS SPENCER MILLER, South Orange, N. J. Filed Mar. 10, 1919. Serial No. 281,712. 34 Claims. (Cl. 254—172.)

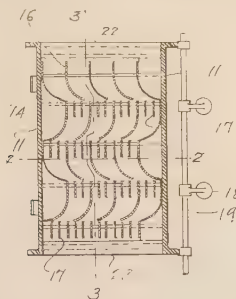


1. In a towing engine, a winding drum, a fluid pressure operated engine for operating said drum, means whereby an increase of stress on a hawser wound on said drum causes a reduction of fluid pressure on said engine to permit the drum to pay out the hawser, and automatic means operable in accordance with the length of cable paid out for increasing the fluid pressure while the hawser is being paid out.

1,405,613. APPARATUS FOR EXTRACTING DUST AND FUME FROM GASES OR AIR IN WHICH THEY ARE CARRIED IN SUSPENSION. HUMPHREYS MILLIKEN, New York, N. Y. Filed Sept. 6, 1921. Serial No. 498,602. 21 Claims. (Cl. 183—122.)

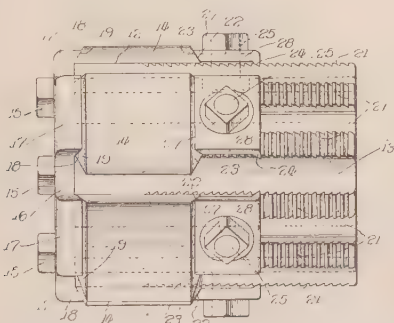
1. The process of extracting dust from gas which consists in forcing the dust laden gas to impinge more or less squarely against surfaces at the edges thereof, changing its direction abruptly and causing said gas to move at a

reduced velocity alongside of said surfaces and near same, whereby dust is deposited on said surfaces, and thereafter



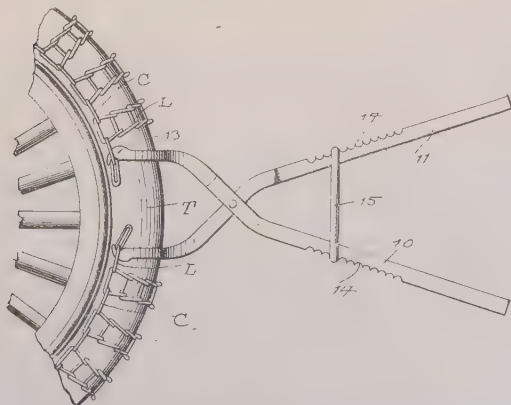
causing simultaneously a smooth acceleration and re-direction of said dust laden gas preparatory to successive impingements.

1,405,614. CUTTER HEAD. HARRISON J. MITCHELL, Seattle, Wash., assignor to P. B. Yates Machine Company, Beloit, Wis., a Corporation of Wisconsin. Filed Apr. 22, 1921. Serial No. 463,483. 9 Claims. (Cl. 144—231.)



1. In a cutter-head of the character described, the combination of a main body having holding means to engage one side edge portion of the cutter and a series of spaced notches at different distances from said holding means, a clamp adapted to engage the opposite side edge portion of the cutter and designed to fit in any one of said notches depending upon the width of the cutter, and means to maintain said clamp in any one of said notches to hold the cutter in operative position.

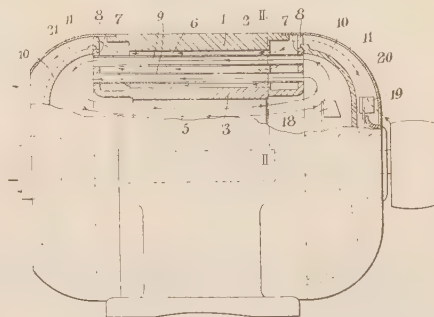
1,405,615. CHAIN TIGHTENER. WALTER R. MONTGOMERY, Belpre, Kans. Filed Feb. 16, 1921. Serial No. 445,431. 4 Claims. (Cl. 254—78.)



1. A chain tightener for tightening the annular chains of automobile anti-skid devices, comprising a pair of plier

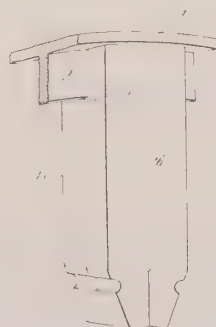
members each provided upon the operating end thereof with spaced arms each adapted for the engagement with a link of an annular chain at one side of a tire.

1,405,616. DYNAMO-ELECTRIC MACHINE. PAUL ALPHONSE HUBERT MOSSAY, London, England. Filed Sept. 12, 1919. Serial No. 323,325. 2 Claims. (Cl. 171—252.)



1. An enclosed dynamo electric machine having a magnet ring hollow in its interior to form air channels, a series of tubes extending longitudinally within said channels and spaced apart from one another and from the interior walls of the magnet ring, said channels being in communication with the atmosphere and said tubes being in communication with the enclosed interior of the machine, whereby the hot internal air of the machine will be adapted to pass through said tubes and the cold air from the exterior of the machine will be adapted to pass through said channels and to come into direct contact with the interior walls of the magnet ring and the exterior walls of the tubes to cool the magnet ring and the hot internal air.

1,405,617. VEHICLE WHEEL. THOMAS E. MURRAY, Brooklyn, N. Y. Filed Apr. 5, 1921. Serial No. 458,775. 5 Claims. (Cl. 301—104.)

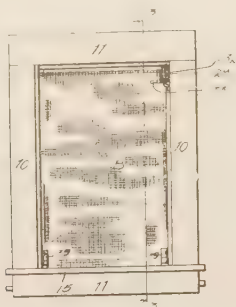


1. A vehicle wheel having spokes each made of a pair of channel sections each section having a flat web and side flanges at right angles thereto, said sections being united along the edges of their flanges.

1,405,618. ROLLING WINDOW SCREEN. NELS H. NELSON, Spencer, Iowa. Filed Jan. 2, 1920. Serial No. 349,041. 2 Claims. (Cl. 156—14.)

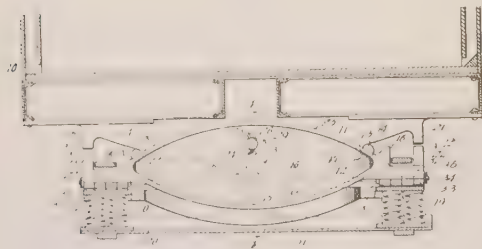
1. In a device of the class described a roller, a flexible screen secured thereto and adapted to be rolled thereon, a frame on which said roller is supported, means on said frame for engaging one edge of said screen when unrolled and means adapted to draw said screen to various de-

grees of tensions and for locking said screen under such various degrees of tension, said means comprising a sprocket operatively connected to said first sprocket, a



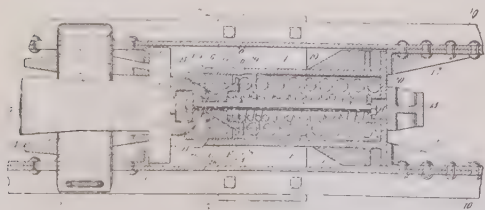
pawl device for holding said second sprocket against movement in one direction and a crank whereby rotation may be imparted to said second sprocket.

1,405,619. MEANS FOR SUSPENDING CARS UPON TRUCKS. JOHN F. O'CONNOR, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed July 5, 1919. Serial No. 308,831. 15 Claims. (Cl. 105—197.)



1. In car construction, the combination with the underframe of a car body and a body bolster rigidly secured thereto; of a truck including a truck bolster, said body and truck bolsters having vertically overlapping parts provided with clearance therebetween to permit relative swiveling movements of the bolsters, said bolsters having also opposed bearing edges, and anti-friction elements interposed between said bearing edges adapting the body bolster for movement laterally with respect to the truck bolster.

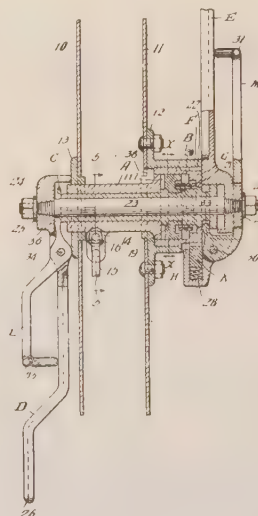
1,405,620. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed July 12, 1920. Serial No. 395,458. 6 Claims. (Cl. 213—64.)



1. In a friction shock absorbing mechanism, the combination with a friction shell; of friction shoes cooperable therewith and having inner faces at a wedge-acting angle with respect to the axis of the shell; a spring-re-

sistance; a spring follower at the end of the spring resistance adjacent the shoes; a pressure-transmitting block having faces at an angle the same as those of said shoes but normally in non-wedge-acting relation thereto; and anti-friction elements, each interposed between and engaging a shoe, the block, and the follower, said anti-friction elements being adapted to roll relatively to the shoes to thereby advance the follower relatively to the shoes and permit said faces of the block and shoes to come into active wedging engagement during the compressive action.

1,405,621. HAND BRAKE. JOHN F. O'CONNOR, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed Jan. 14, 1921. Serial No. 437,260. 7 Claims. (Cl. 74—114.)

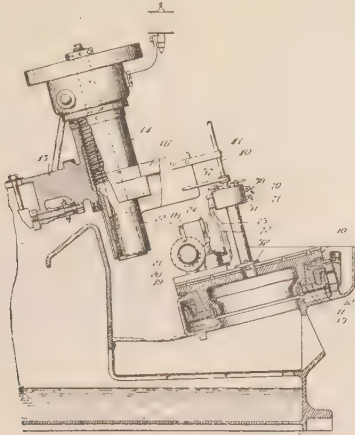


1. In a hand brake, the combination with a rotatable element; of a ratchet wheel rigid with said element; a pawl cooperable with said ratchet wheel, the pawl being axially movable relative to the ratchet wheel to permit disengagement therefrom; spring means yieldingly impelling said pawl into cooperative engagement with said ratchet wheel; a locking dog; a second ratchet wheel with which said dog cooperates, said pawl being non-rotatable but axially movable with respect to said second named ratchet wheel; an operating lever and pawl for effecting step by step rotation of said second named ratchet wheel; and a release member for moving said pawl axially against the spring action to thereby release said rotatable element.

1,405,622. MACHINE TOOL. CHARLES D. OESTERLEIN and LOUIS H. BLOOD, Cincinnati, Ohio, assignors to The Oesterlein Machine Co., Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 9, 1920. Serial No. 372,430. 22 Claims. (Cl. 90—58.)

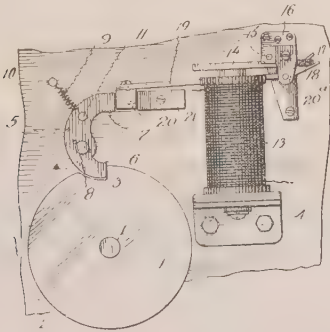
1. The combination with a machine, having a turntable and fixtures for securing work thereto, each fixture comprising a cylinder having a piston slidable therein, of means for alternately supplying air under pressure to opposite ends of said cylinders and venting the other end, comprising a distributor block secured to said turntable, and provided with a valve seat coaxial with said turntable, a pair of pipes leading from said distributor block to the opposite ends of each of said cylinders, two pairs of ducts formed in said distributor block for establishing communication between said valve seat and said pipes, a stationary valve co-acting with said valve seat and provided with an air inlet passage-way and ports communicating therewith and with the ducts in said distributor block for alternately connecting

said air inlet with the opposite ends of said cylinders, as said turntable rotates, and hand operable valves, one



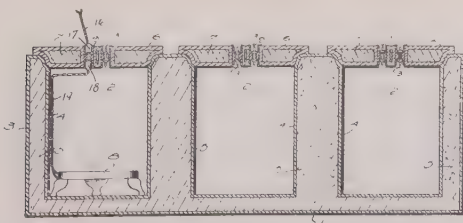
located intermediate the ends of each pair of ducts for reversing the direction of the flow of air to and from said cylinders.

1,405,623. ELECTRICALLY-CONTROLLED DOOR LOCK FOR CARS. RAYMOND H. PARSONS, New York, N. Y., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed Apr. 4, 1919. Serial No. 287,385. 8 Claims. (Cl. 105-395.)



3. In a locking device for doors of electrically driven cars, the combination with a rotatable shaft and lock mechanism, including a lock dog and stop blocks, for locking said shaft against rotation when the car is in motion.

1,405,624. ELECTRICALLY-HEATED FIRELESS COOKER. RALPH J. PATTERSON, Boston, Mass. Filed Oct. 5, 1920. Serial No. 414,745. 3 Claims. (Cl. 219-35.)



2. The combination with a fireless cooker having an opening arranged in one wall and an electric heating element arranged in said cooker, of an electric socket comprising an outer cylindrical member arranged in said opening, said outer cylindrical member being provided with an

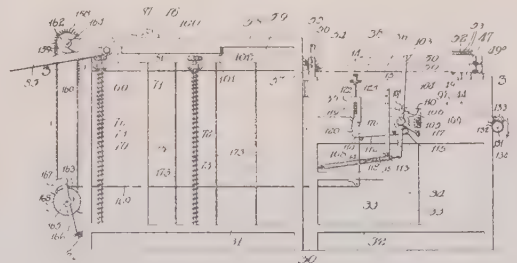
annular enlargement, an insulating bushing disposed in said cylindrical member and supported on said enlargement, said insulating member being adapted to prevent loss of heat from said chamber, and a central contact member supported in said insulated bushing and projecting above and below the same, means for delivering current to said socket, and means for delivering current from said socket to said electric heating element.

1,405,625. BIT-HOLDER EXTENSION. JONATHAN PERKINS, Jr., San Diego, Calif. Filed Mar. 11, 1920. Serial No. 364,892. 1 Claim. (Cl. 279-39.)



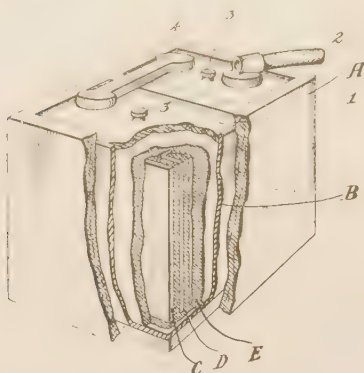
A bit holder extension, including a main hollow supporting member, provided with a tapering square exterior at one end, a rod extending longitudinally therein, a nut screwed onto the one end of said rod provided with a tapering square exterior forming a continuation of said tapering square supporting member, and both forming a conventional tapered square shank for the conventional bit driver, a pair of oppositely disposed clamping members engaging inclined inner surfaces of said main bit member, whereby they are clamped together when moved inwardly.

1,405,626. HAIR-DRAWING MACHINE. MAX PERKINS, Philadelphia, Pa. Filed July 21, 1919. Serial No. 312,390. 24 Claims. (Cl. 28-21.)



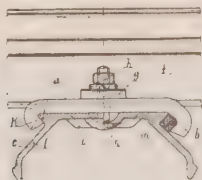
1. A hair drawing machine for transferring hairs from bundles containing hairs of various lengths and automatically placing the hairs in piles in which any one pile will contain hairs of substantially similar length including means for supporting a bundle of hair; means adapted to advance relatively to said bundle to successively grip and draw hairs of different lengths therefrom; and means for relatively moving said bundle and gripping means transversely to said first movement whereby the gripping means can draw hairs from said bundle at different positions throughout its thickness; substantially as described.

1,405,627. BATTERY. EARNEST J. PETRIE, Los Angeles, Calif. Filed Nov. 22, 1920. Serial No. 425,649. 1 Claim. (Cl. 204—29.)



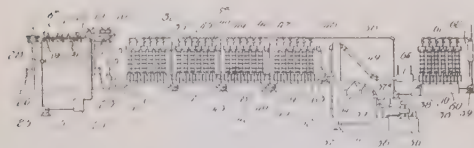
An electrical current producing apparatus, including positive and negative elements and means entirely surrounding and covering said elements, said means being an amorphous silica that has first been dried of all moisture.

1,405,628. TIE PLATE FOR METAL RAILROAD TIES. JEAN PIRA, Ougree-lez-Liege, Belgium. Filed Nov. 29, 1921. Serial No. 518,584. 5 Claims. (Cl. 238—64.)



1. A tie-plate for metal railroad ties, comprising a base, means for securing the rails thereto, parallel hooked flanges along edges of said base at right angles to the rail, said flanges engaging round projections at the upper longitudinal edges of the tie, and means for fixing said flanges to the tie.

1,405,629. BY-PRODUCT-RECOVERY PROCESS. ARTHUR ROBERTS, Evanston, Ill., assignor, by mesne assignments, to American Coke & Chemical Company, Chicago, Ill., a Corporation of Maine. Filed Apr. 17, 1915. Serial No. 22,147. Renewed Oct. 23, 1918. Serial No. 259,404. 2 Claims. (Cl. 183—114.)



1. The process for the recovery of by products from coke oven distillate gases, which consists in subjecting the hot gases freshly delivered from the coke oven and at substantially the temperature at which said gases leave the oven to a preliminary treatment by the injection thereto of a suitable medium for the purpose of saturating it with certain constituents and controlling its temperature independently of subsequent condensation steps, and

which consists in thereafter progressively and abruptly lowering the temperature of the gases in stages by sprays without reheating between the stages, the temperature at each stage being substantially the same as the dew point of the vapor of the respective constituent recovered at such stage, the spray for each stage consisting of oils which are of substantially the same composition as oils subsequently removed at a later stage of the process, said oils being reevaporated while at the same time serving to lower the dew point of the complex distillate gases to thereby precipitate one of the constituents of said gases, substantially as described.

1,405,630. FLASH LIGHT. FRANCIS M. ROSENFELD, Elberon, N. J., assignor, by mesne assignments, to Diamond Electric Specialties Corp., Newark, N. J., a Corporation of New Jersey. Filed May 2, 1918. Serial No. 231,984. Renewed July 13, 1921. Serial No. 484,488. 5 Claims. (Cl. 24—8.5.)



2. In a device of the kind described, a tubular flash light case, a spring supporting member having a concave surface of substantially the same curvature as that of the case, and means for pivotally mounting the supporting member upon the case adjacent the concave end of the supporting member, to cause spring actuated frictional engagement between the case and supporting member.

1,405,631. VALVE. EDWARD W. SCRIBNER and ROY DE-PEE, Douthat, Okla., assignors of one-half to Noel W. Wyatt and Olaf Baker, Miami, Okla. Filed May 31, 1921. Serial No. 473,956. 5 Claims. (Cl. 67—115.)

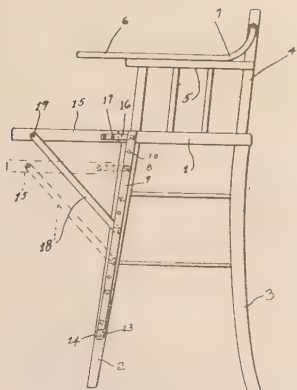


1. An automatic gas valve, comprising a casing having an inlet and an outlet, a trough pivotally mounted in said casing and normally assuming a lowered position, a plate secured to said trough, said plate being disposed in the path of gas passing through the casing whereby the trough is maintained in raised position by the flow of gas, a valve seat arranged on said outlet, and a ball valve arranged in said trough adapted to engage said seat when the trough is in lowered position.

1,405,632. CHAIR. ALEXANDER C. SLADKY, Shorewood, Wis. Filed July 7, 1921. Serial No. 482,961. 4 Claims. (Cl. 155—172.)

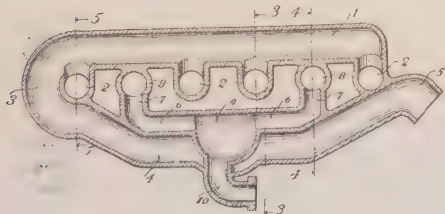
1. The combination of a chair, a leg rest, means for interlocking the leg rest and the chair at a plurality of

points, and a brace for said leg rest adapted to be separately interlocked with the chair at a plurality of points,



said leg rest being adjustable vertically to the height of the seat and being also angularly adjustable with respect to the chair.

1,405,633. FUEL VAPORIZER FOR CARBURETORS. MAURICE O. SMITH, Dallas, Tex. Filed Jan. 25, 1918. Serial No. 213,711. 2 Claims. (Cl. 123—122.)

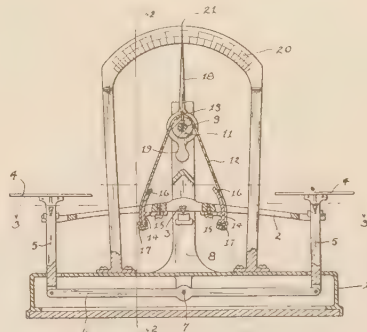


2. A manifold structure comprising upper and lower integrally formed tubular exhaust members communicating with each other at one end, the upper member adapted to receive the exhaust of an internal combustion engine, a tubular intake member formed integral with the lower tubular exhaust and located between the upper and lower tubular exhaust members, an outlet formed at each end of said intake member, an enlargement formed midway between said outlets and extending into the lower exhaust member, said enlargement acting as a reservoir for the fuel to insure the heating thereof, an elbow formed integral with the lower part of the said enlargement and extending through the lower exhaust member, its projecting end adapted to be secured to a carburetor, whereby a highly heated dry gas is delivered to the cylinders of an internal combustion engine.

1,405,634. SCALE. WALTER S. SMITH, Columbus, Ohio, assignor to The Smith Scale Company, Columbus, Ohio, a Corporation of Ohio. Filed Aug. 28, 1916. Serial No. 117,129. 16 Claims. (Cl. 265—54.)

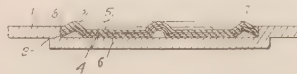
1. The combination with the movable beam of a scale, of a torsion strip supported independently of the beam

and a connecting element extending between the beam and the torsion strip, said torsion strip carrying a part



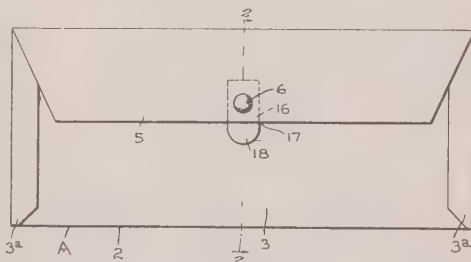
with which said element has rolling engagement, said torsion strip tending to maintain said beam in neutral position.

1,405,635. GREETING CARD. GEORGE F. STANLEY, Dayton, Ohio, assignor to The Stanley Manufacturing Company, Dayton, Ohio, a Corporation of Ohio. Filed Jan. 29, 1921. Serial No. 440,884. 3 Claims. (Cl. 40—136.)



1. In combination, a label, a card body having an area partially depressed below the surface in which this label is placed, means on the edge of said label to engage with the shoulders of the depressed area of the card, and means on the bottom of the label to engage with the depressed area, whereby a permanent unitary structure is formed.

1,405,636. CONTAINER OF THE ENVELOPE VARIETY. MAX STARK, New York, N. Y. Filed Sept. 28, 1921. Serial No. 503,977. 9 Claims. (Cl. 229—78.)



1. In combination with a container of the envelope variety having turned sides forming the rear face and closing flap, a metallic snap fastener serving as closing means between said rear face and said flap, one member of said fastener being attached to the rear face of said envelope, the other member of said fastener being attached to the flap, and means attached to said last named member of said fastening means taking substantially all the tension due to resistance in separating said members of the fastener.

1,405,637. PULP-WOOD FILLER FOR VEHICLE FRAMES. ERNST M. STERNBERG, West Allis, Wis. Filed Feb. 9, 1920. Serial No. 357,310. 3 Claims. (Cl. 280—106.)

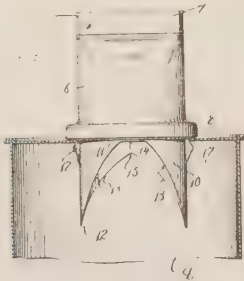
1. In a vehicle frame structure, the combination of a longitudinally channeled metallic sill beam, a wooden beam filling the space between the sides of the channel beam, a bracket member engaged against said wooden

beam and having a portion extending laterally thereof, and securing bolts passed through the wooden and metallic



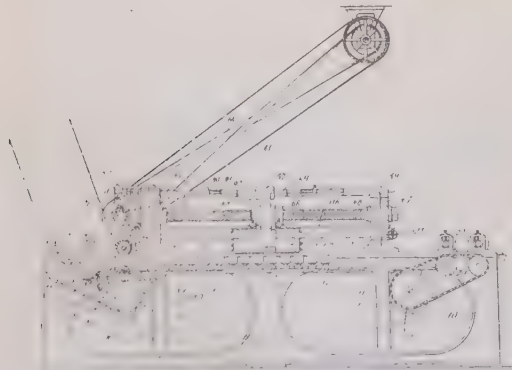
beams and through the connecting member, said laterally extending portion having a shoulder in abutting relation to the outer side of said channel beam.

1,405,638. POURING SPOUT. HERMAN L. STRONGSON, Brooklyn, N. Y., assignor to Loeb-Strongson Corporation, New York, N. Y., a Corporation of New York. Filed July 26, 1920. Serial No. 399,213. 1 Claim. (Cl. 221—23.)



A pouring spout through which liquids may be decanted, comprising a tubular member, a cutting blade made on the member and having edges which converge to make oppositely disposed puncturing points, the said cutting blade made with a sharp cut-out corner to produce a cut in a container, the said blade having a dull non-cutting edge formed oppositely to the cut-out corner to force downwardly the cut part of the container in such a manner that the said cut part is forced out of the pouring spout, a gasket to make a sealed joint between the pouring spout and container, and lugs to engage the edges of the container to hold the gasket and pouring spout in position after the cut part is forced out of the pouring spout.

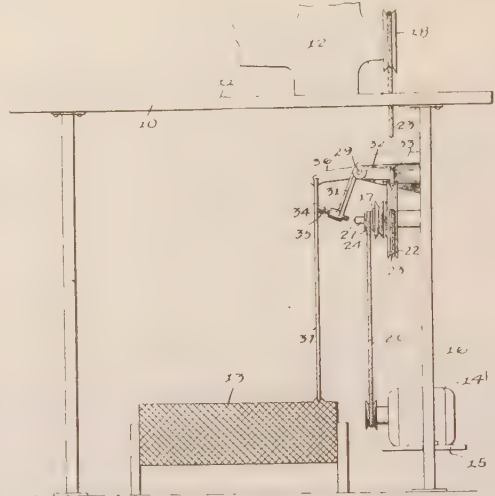
1,405,639. RUBBING MACHINE. ETHELBERG B. STUART, Buffalo, N. Y., assignor to The Beaver Company, a Corporation of Ohio. Filed June 2, 1920. Serial No. 386,122. 6 Claims. (Cl. 51—60.)



2. In a rubbing machine, a traveling support, a rubber mounted to move longitudinally of the support, means

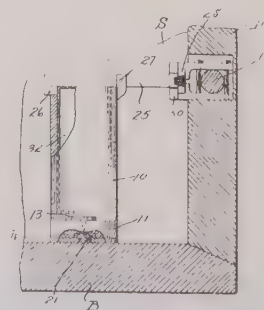
for moving the rubber, a plurality of means for connecting the rubber to the said moving means to cause it to move in opposite directions and controlled by the movement of the rubber, one of said means being arranged to drive the rubber at a higher speed than the other of said means.

1,405,640. ELECTRICALLY-CONTROLLED TRANSMISSION. MAX TAIGMAN, New York, N. Y. Filed May 17, 1918. Serial No. 235,220. 4 Claims. (Cl. 172—179.)



3. In a device of the class described, the combination with a sewing machine and an electric motor, of means constituting a power transmitting control including a pair of grooved clutch pulleys, a belt connecting the motor with one of the pulleys and a belt connecting the sewing machine with the other pulley, a normally closed circuit closer, a single manually controlled member, mounted for rotary movement about an axis extending at right angles to the axis of the pulleys and including four arms extending in pairs in opposite directions from the axis of the controlled member, two of said oppositely extending arms movable in a plane containing the axis of the pulleys, one of said two arms constituting a brake and the other constituting a means for moving the clutch pulleys into clutching position, one of the other two oppositely extending arms constituting an actuating lever and the other arm operatively connected to the circuit closer to actuate the same.

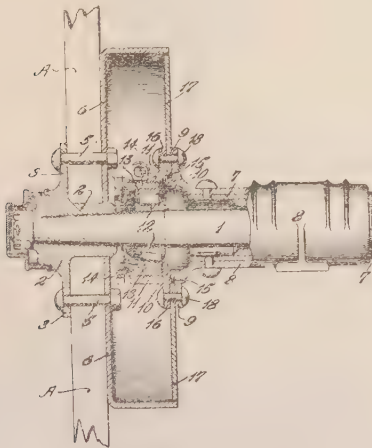
1,405,641. ATTACHMENT FOR SAFES. AUBREY M. ULLMAN, Springfield, Mo., assignor of one-half to W. A. Wallender, Springfield, Mo. Filed May 18, 1921. Serial No. 470,688. 3 Claims. (Cl. 109—6.)



1. The combination with a safe provided with a door of a device of the class described, said device consisting

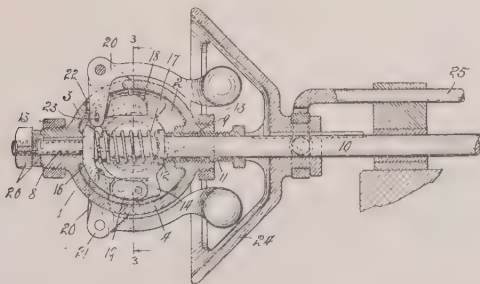
of a holder, a receptacle for noxious fluids adapted to be supported by said holder, slidably engageable means whereby said holder may be removably secured to the base of the safe, a fracturing bar for breaking said glass receptacle and means connecting said fracturing bar to said door, whereby said connection may be disconnected upon an authorized opening of the door of the safe.

1,405,642. AXLE CONSTRUCTION. HERBERT VANDERBEEK, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a Corporation of Ohio. Filed May 12, 1921. Serial No. 468,841. 9 Claims. (Cl. 301—126.)



1. An axle construction comprising a hollow housing whose end portion has a circumferential flange, a bearing support whose end portion has a circumferential flange and a brake supporting disk clamped between said flanges.

1,405,643. LEAD ADJUSTMENT FOR PROPELLER BLADES. EUGENE WEAVER, Bryan, Ohio. Filed Sept. 8, 1917. Serial No. 190,354. 14 Claims. (Cl. 170—163.)

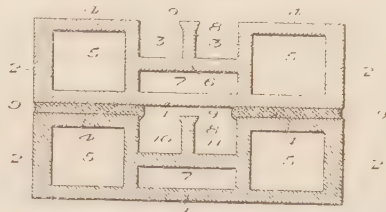


1. In combination, a hub, a plurality of propeller-blades carried by said hub for rotary lead changing movements relative thereto and to each other, and means normally retaining one lead adjustment of the blades and automatically operable to adjust the blades to vary the lead thereof when the blades are revolving at a predetermined speed.

1,405,644. BUILDING BLOCK. JAMES P. WILLIAMS, Milton, Pa. Filed Feb. 4, 1918. Serial No. 215,347. 7 Claims. (Cl. 72—41.)

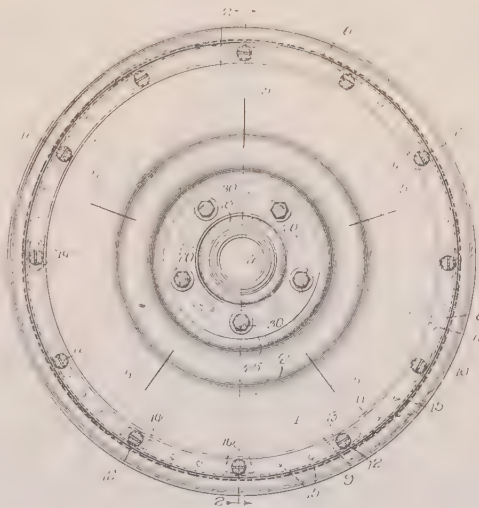
1. A building brick comprising a base, the portions of which are in approximately the same plane, a plurality

of spaced-apart chambers disposed on said base; a cross-web arranged in spaced relation to the base and connecting said chambers, and constituting, with said chambers and base, an elongated air-chamber; and an upright web upstanding from said cross-web in spaced relation



to said chambers, the outer surface of said upright web being in approximately the same plane as one of the outer edges of said chambers.

1,405,645. DISK WHEEL FOR AUTOMOBILES. WILLIAM ERASTUS WILLIAMS, Chicago, Ill. Filed Sept. 8, 1919. Serial No. 322,387. 5 Claims. (Cl. 301—63.)

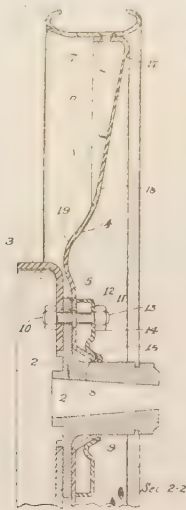


1. A wheel disk having at a material distance from both its hub and rim regions an annular bulge transversely sheared without removing metal and forming an aperture at intervals to render this medial zone of the wheel slightly elastic while leaving its surface in appearance substantially continuous.

1,405,646. DISK AUTOMOBILE WHEEL. WILLIAM ERASTUS WILLIAMS, Chicago, Ill. Filed Apr. 19, 1920. Serial No. 375,059. 7 Claims. (Cl. 301—63.)

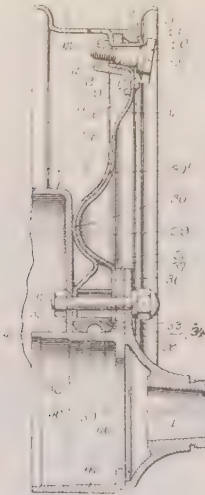
2. The combination with a hub barrel having a circumferential flange, of an outwardly concave disk having an approximately cylindrical in-turned, rim-receiving peripheral flange and an outwardly bent flange around its

central opening forming an oblique flange to rest on the hub barrel, and a clamping ring arranged to press the



body of the disk against the hub flange and the oblique flange against the barrel.

1,405,647. REINFORCED DISK WHEEL. WILLIAM ERASTUS WILLIAMS, Chicago, Ill. Filed May 31, 1921. Serial No. 473,816. 9 Claims. (Cl. 301--63.)

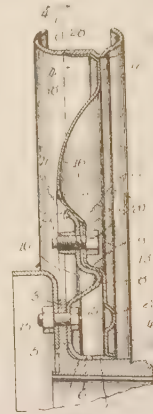


1. In a device of the class described, a disk wheel having the main disk portion reinforced on the back by a reinforcing disk and the two disks spread apart in the hub zone and provided with central apertures, a hub ring fitted into the apertures of both disks and provided with vertically and horizontally arranged shoulders adapted to register on the inner edges and inner sides of both disks and become both a spreader for the disks and a radial support therefor.

1,405,648. DISK WHEEL. WILLIAM ERASTUS WILLIAMS, Chicago, Ill. Filed June 23, 1921. Serial No. 479,946. 8 Claims. (Cl. 301--63.)

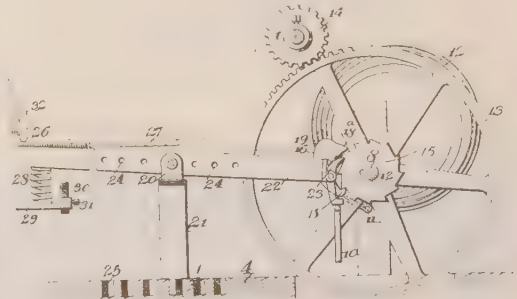
1. In a wheel of the class described, a hub having a flange integral therewith, a hub zone flange bolted to the said hub flange and provided with inclined seats on the margin of the said hub zone flange; in combination

with a main disk secured in demountable fashion to the margin of the hub zone flange and provided with inclined



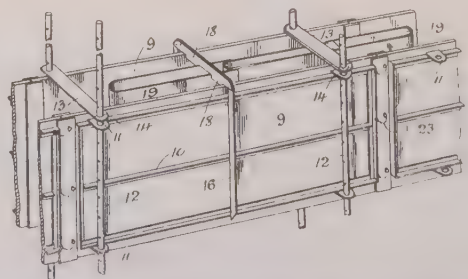
seats adapted to seat upon the said hub zone flange and said disk suitably secured to a suitable rim.

1,405,649. DRIVING MEANS FOR SPRING MOTORS. ALEXANDER V. WILSON, Bar Harbor, Me. Filed Jan. 26, 1918. Serial No. 213,986. 3 Claims. (Cl. 74--16.)



1. In a spring motor, the combination of the drive shaft, a ratchet fixed on the drive shaft, a master gear loose on the drive shaft adjacent to the ratchet, and a pawl pivoted to the master gear, said pawl including a pair of heels one of the heels being disposed midway of a pair of the ratchet teeth while the other is in engagement with a tooth, and a head embodied in the pawl for holding one or the other of the heels in contact with an adjacent tooth irrespective of the circumferential position of the pawl.

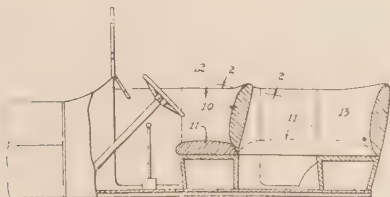
1,405,650. BUILDING OF CONCRETE STRUCTURES. ROBERT WILSON, Hobart, Tasmania, Australia. Filed June 9, 1920. Serial No. 387,643. 2 Claims. (Cl. 25--131.)



1. In the construction of concrete walls or foundations, in combination, upright poles along the line of wall

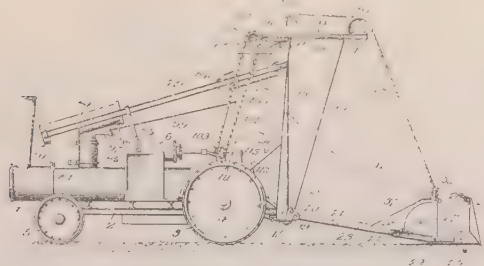
outside and supporting mould plates, holdfast plates on and between the poles, an elliptical opening in each plate end, a pivotally mounted clip with a semicircular recess on each end of the plate which is swung around and held to a pole to grip and steady the same.

1,405,651. COLLAPSIBLE SEAT BACK. RALPH E. WINCHESTER, Los Angeles, Calif. Filed Oct. 14, 1919. Serial No. 330,629. 5 Claims. (Cl. 155—7.)



1. In an automobile body having side walls with oppositely disposed upright parts, a seat back arranged between said parts, the seat back being slidably hinged at its upper corners to the upright parts to be movable to a horizontal position directly from its normal operating position and be vertically movable while in a horizontal position, said connections being the only connections between the seat back and the upright parts.

1,405,652. POWER SHOVEL. CYRUS HARLAN WOLFE, Charlotte, N. C., assignor of one-fourth to L. R. Heintz and one-fourth to Carl M. Heintz, Cabarrus County, N. C. Filed Jan. 23, 1920. Serial No. 353,560. 9 Claims. (Cl. 214—132.)

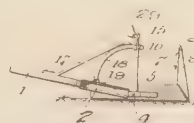


1. The combination with a tractor having traction means at one end and supporting means at the other, the center of gravity of the tractor being between the traction and supporting means, of a shovel having a rigid, non-extensible boom pivotally attached to the tractor adjacent the traction means, and constructed to be forced into the material to be excavated by the bodily movement of the tractor, driven by said traction means, and means for moving the boom on its pivot to raise and lower the shovel, said shovel being located on the opposite side of said traction means from the body of the tractor, whereby the load on the shovel serves to shift the center of gravity of the combined load and tractor nearer the traction means, thus increasing the weight thereon.

1,405,653. SHOVEL. CYRUS HARLAN WOLFE, Charlotte, N. C., assignor of one-fourth to L. R. Heintz and one-fourth to Carl M. Heintz, Cabarrus County, N. C. Original application filed Jan. 23, 1920, Serial No. 353,560. Divided and this application filed June 8, 1920. Serial No. 387,365. 6 Claims. (Cl. 214—145.)

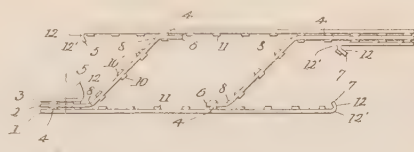
1. In a shoveling device, the combination with a supporting ball, of a shovel pivotally mounted therein so as

to be capable of tipping forwardly, means for preventing the shovel from tipping rearwardly, an arm secured to



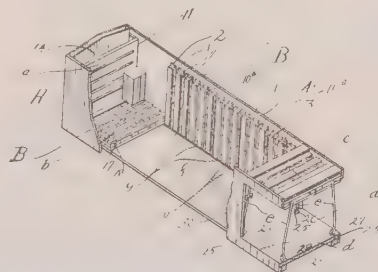
the rear of the shovel, and means for locking the arm to the ball to prevent forward turning of the shovel on its pivots.

1,405,654. REINFORCEMENT FOR CONCRETE STRUCTURES. JULIUS HEINRICH ALBERT WRISSENBERG, Bremen, Germany. Filed Jan. 28, 1914. Serial No. 814,963. 1 Claim. (Cl. 72—110.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



A reinforcement for concrete comprising a base bar, a top bar spaced from the base bar, a plurality of intermediate sections of bars between the base and top bars, the portions of the intermediate sections of the bars adjacent the top and base bars being connected thereto by spaced apart webs, the intermediate sections of bars having projections on opposite faces, and the top and base bars having projections on adjacent faces, all the bars and projections being in the same plane.

1,405,655. SECTIONAL FLOOR RACK. GEORGE F. ZAUN, San Bernardino, Calif. Filed June 16, 1920. Serial No. 389,531. 11 Claims. (Cl. 105—375.)

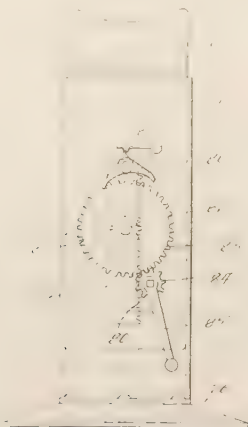


1. A floor rack having angularly related superposed members spaced to provide air openings; said superposed members being arranged in longitudinal and transverse series; with the said longitudinal members mounted on opposite sides of said transverse members.

1,405,656. VEHICLE SUPPORT. EDWARD A. BANSCHBACH, Chicago, Ill. Filed Oct. 17, 1919. Serial No. 331,281. 2 Claims. (Cl. 254—97.)

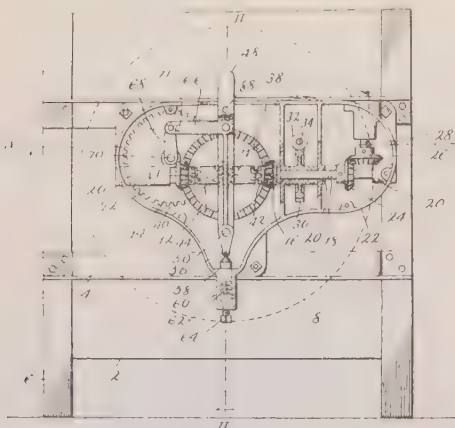
1. A lifting jack comprising a laterally extending base member, upright plates having the lower ends thereof bent outwardly to form feet and secured to said base member, a lifting bar comprising a relatively thin wide plate positioned between said upright plates and having sliding contact with the inner face of each of said plates, said bar having a longitudinally extending slot therein, a pinion

positioned in said slot, a supporting shaft for said pinion journaled in said upright plates, a gear wheel connected with said shaft and arranged adjacent the outer face of one



of said upright plates, a hand crank having operative connection with said gear wheel, and a pawl for holding said gear wheel against rotation.

1,405,657. DRIVING MECHANISM FOR WASHING MACHINES. WALTER C. BAUER, Kansas City, Mo. Filed Nov. 19, 1919. Serial No. 339,079. 3 Claims. (Cl. 74—50.)

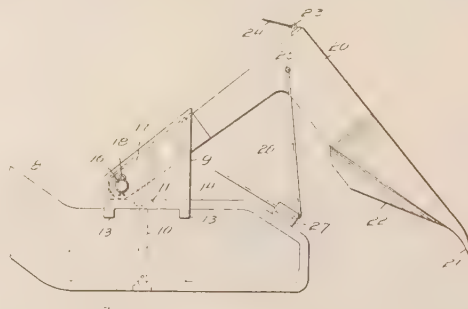


1. In a washing machine, a tub, a cylinder mounted in said tub, a large bevel gear to rotate said cylinder in reverse directions, a pair of small bevel gears constantly in mesh with said large bevel gear at opposite sides of its axis, a rotary shaft on which said small bevel gears are loosely mounted, a clutch on the rotary shaft to alternately lock the small bevel gears on said shaft, an oscillatory lever to release said clutch and cause it to alternately lock the small bevel gears on the shaft, a handle to said lever whereby it may be manually operated to move the clutch to neutral position, means for engaging said lever to hold the same stationary and stop the rotation of the cylinder, a link to swing said lever through a part of each stroke, a crank to actuate said link, means geared to the cylinder to oscillate said crank, and means for completing the strokes of said lever.

3. In a washing machine, a tub, a cylinder mounted in said tub, means for driving said cylinder in reverse directions embodying an oscillatory lever, a pin to lock said lever in neutral position, a tubular housing secured to the tub and through which said pin operably extends, a spring

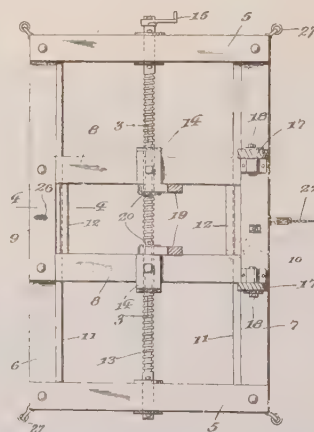
tending to force the pin into engagement with the lever, and a handle fixed to the pin and provided with means to coact with the tubular housing in withdrawing the pin from the lever when said handle is rotated.

1,405,658. AEROPLANE ATTACHMENT. CARLO M. BAZZEGHIN, Washington, D. C. Filed Nov. 4, 1920. Serial No. 421,702. 4 Claims. (Cl. 244—2.)



1. In an attachment to the tail skid of an aeroplane, an open housing secured to said tail skid, a ground engaging brake pivoted to said housing and limited in its vertical movement thereby and means for operating said brake.

1,405,659. HAYSTACKER. GEORGE S. BEEMER, Meeker, Colo. Filed Feb. 17, 1921. Serial No. 445,585. 2 Claims. (Cl. 214—131.)

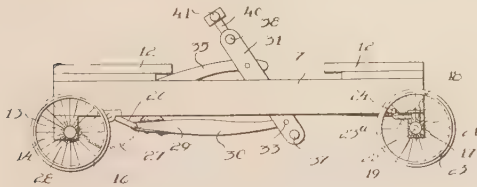


1. A hay stacker comprising a base, a carriage slidably mounted on the base for travel in a horizontal direction, a vertically swinging hay fork supported by the carriage, operating means for the fork on the carriage, and means for operating the carriage for moving the fork bodily in a horizontal direction.

1,405,660. DOUBLE HAND AND FOOT PROPELLED VEHICLE. ANDREW BERGLUND, Indiana Harbor, Ind., assignor to Richard S. Broge, Indiana Harbor, Ind. Filed Apr. 23, 1921. Serial No. 463,869. 1 Claim. (Cl. 208—34.)

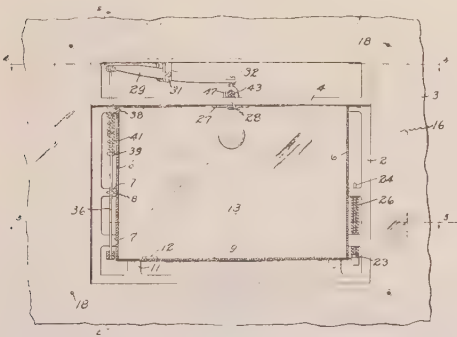
In a vehicle of the class described, the combination with a main frame, of a driving shaft transversely journaled on the rear end thereof, wheels fixed on said shaft near its ends, a wheel journaled on each side of the front portion of the main frame and mounted for lateral movements, a pair of spaced and parallel bars vertically mounted on the main frame, said bars having at their lower ends a transversely and horizontally disposed foot rest and at their upper ends a horizontally and transversely disposed handle, a crank-shaft journaled on the frame in front of the driv-

ing shaft, gearing connecting said crank-shaft and driving shaft, a link loosely connected at one of its ends to the crank shaft and at its other end to the lower portion of said bars, another link loosely connected at one of its ends to the crank shaft and at its other end to the upper portion of said bars and having a longitudinally disposed slot in its



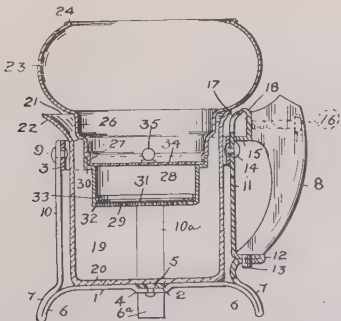
front portion, a handled steering post extended through a suitable opening in the handle of said bars and through the slot in the last named link, a universal coupling mounted on the main frame and connected to the lower end of said steering post and connections uniting said coupling and the front wheels of the vehicle whereby the said wheels may be turned laterally in either direction by turning the steering post in the proper direction.

1,405,661. SAFETY DELIVERY DOOR. LOUIS G. BERGREN, San Francisco, Calif. Filed Nov. 11, 1919. Serial No. 337,234. 4 Claims. (Cl. 232—41.)



1. A device of the character described comprising a frame, a door arranged on one side of said frame, a spring-pressed bolt for locking said door, a second door pivoted on a horizontal axis on the opposite side of said frame, means for halting the movement of said second door at its horizontal position, a lever on which said bolt is mounted, a link connecting said lever and said second door, and a spring arranged to automatically close said door.

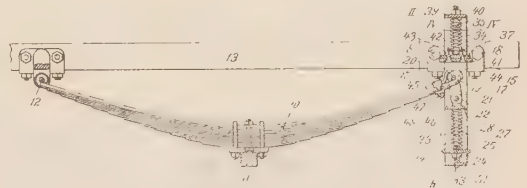
1,405,662. PERCOLATOR. HENRY CLAYTON BIETTE, Pittsburgh, Pa. Filed Mar. 26, 1921. Serial No. 455,709. 8 Claims. (Cl. 53—3.)



1. In a percolator, a pouring vessel, a vessel divided into upper and lower sections and supported at the top of the

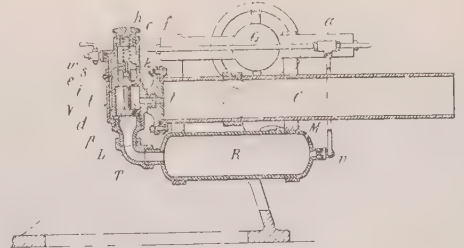
pouring vessel, the lower section having a perforate bottom, a filtering medium on the said bottom, and a perforate water-spreader in the vessel above the said medium, the space between the spreader and the medium forming a chamber for the material from which solubles are to be extracted, the spreader being held in place between the opposing portions of the two sections.

1,405,663. CHASSIS AND SPRING PROTECTOR. IRA B. BLISS, Stamford, Conn. Filed June 22, 1920. Serial No. 390,718. 4 Claims. (Cl. 267—29.)



2. A shock absorber embodying a main spring supported centrally upon the axle and suitably swung at one end to the chassis, and at the other on the upper end of swinging links, vertically moving spring controlled pins to which the swinging links are swiveled, compression springs positioned above the end of the main spring, a platform to receive the blow of the main spring and a bearing surface around the top of the end of the main spring.

1,405,664. PNEUMATIC GUN. HENRI BOILEAU, Bois-Colombes, France, assignor of one-half to Gustave Debladis, Paris, France. Filed Dec. 7, 1915. Serial No. 65,558. 2 Claims. (Cl. 89—6.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

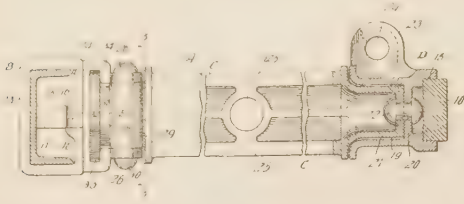


1. A pneumatic gun comprising a compressed fluid generator, an intermediate storing tank, an adjustable automatic valve between said tank and the breech of the gun, an auxiliary valve for operating the main valve, resilient tensioning means for said auxiliary valve, means for storing pressure under the auxiliary valve and means for releasing the air pressure from under the auxiliary valve when a predetermined pressure has been reached and thereby cause the main valve to open suddenly, substantially as described.

1,405,665. REVERSIBLE-STRUT BRAKE BEAM. RICHARD W. BURNETT, Chicago, Ill. Filed Dec. 17, 1919. Serial No. 345,576. 8 Claims. (Cl. 188—232.)

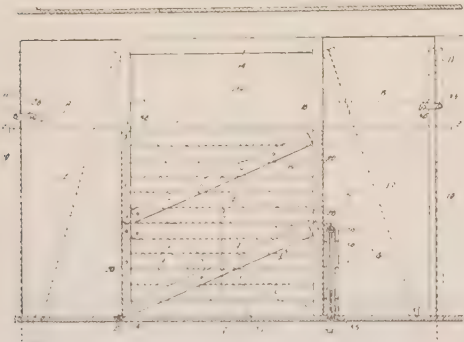
5. In a brake beam for railway cars, the combination with a tension member and a compression member; of a strut comprising, an anchor block fitted over said compression member and fixed in position thereon, a bearing block seated against said tension member, and a column interposed between the anchor block and the bearing block, said column being swiveled with respect to the anchor block and the bearing block, the swivel connection

between the column and the anchor block comprising a laterally open bearing on the block, a journal section on the column, a flange on the column bearing against



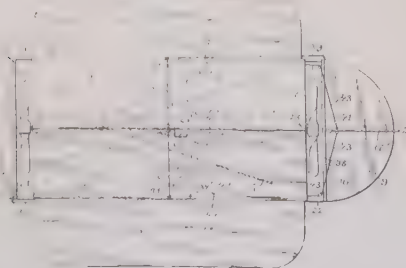
a corresponding shoulder provided on the anchor block, and a bearing cap formed separately from the anchor block and secured thereto.

1,405,666. GRAIN-CAR DOOR. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 18, 1920. Serial No. 411,240. 6 Claims. (Cl. 20—29.)



1. A grain car having a side door opening; and a pair of inside grain doors adapted to partially close said door opening and arranged to be positioned one above the other when in operative position, the lower of said doors being pivotally attached at a relatively fixed point to the car at one of its lower corners, the upper door being pivotally attached at its lower corner on the opposite side of the door opening, said last named pivotal connection being adjustable to permit the upper door to be bodily lowered to the floor when swung to an inoperative position.

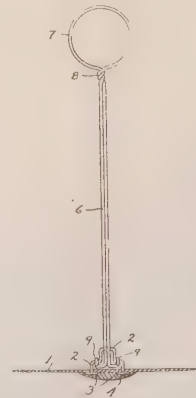
1,405,667. AEROPLANE. IVAR CARLSON, Leominster, Mass., assignor of one-third to Gerald Cahill, Lowell, Mass., and one-third to John Henry Lynch, Pawtucket, R. I. Filed Nov. 6, 1920. Serial No. 422,271. 2 Claims. (Cl. 244—14.)



1. An aeroplane having a frame, a central plane extending lengthwise of the frame and formed to have

a flattened V shaped trough on its underside and extending the length of the plane, said plane being secured to the frame, rectangular shaped side planes hinged to the frame and extending the length of the central plane, means for operating the side planes, a top rudder pivotally secured to the frame over the central plane, means for operating the top rudder, a front horizontal rudder hinged to the frame, means for operating the front rudder, a twin rear rudder comprising a horizontal rudder hinged to the frame and a vertical rudder pivoted to the horizontal rudder, means for operating the twin rear rudder, an engine supported by the frame, a tractor shaft rotatably supported in bearings in the frame and operatively connected with the engine, a tractor helix on the tractor shaft at the forward end of the central plane, a propeller shaft rotatably supported in bearings, a propeller helix on the propeller shaft at the rear end of the central plane, a transmission operatively connected with the tractor and propeller shafts, and means for operating the transmission, for the purpose as described.

1,405,668. SKIMMER. CHARLES E. CHAMBERS, Eldorado, Kans. Filed Feb. 10, 1921. Serial No. 444,028. 1 Claim. (Cl. 31—85.)



A skimmer comprising a flexible, normally flat disc, a wire loop secured to an eccentric portion of the disc, said loop comprising a pair of shoulders and a stop; and a wire shank comprising a doubled wire having its ends bent to form a pair of eyes, said eyes being pivotally mounted on the respective shoulders of said loop.

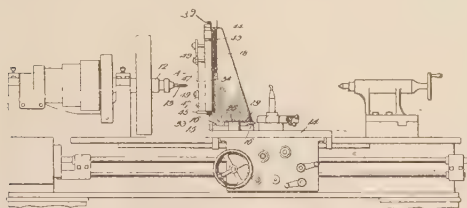
1,405,669. MANUFACTURE OF SULPHURIC ANHYDRIDE AND SULPHURIC ACID. MARCH F. CHASE, Ardsley-on-Hudson, and FREDERIC E. PIERCE, New York, N. Y., assignors to The Cos Process Company, Inc., New York, N. Y., a Corporation of New York. Filed July 9, 1920. Serial No. 394,928. 8 Claims. (Cl. 23—1.)

1. The process of manufacturing sulphuric anhydride or sulphuric acid which consists in burning previously molten brimstone with air sufficiently dried to prevent the formation of objectionable acid mists and fogs in the burner gases and subsequently humidifying the said burner gases to the limited extent required for efficient conversion, substantially as described.

1,405,670. LATHE ATTACHMENT. CLARENCE C. CRALEY, Reading, Pa. Filed June 7, 1920. Serial No. 387,145. 16 Claims. (Cl. 82—38.)

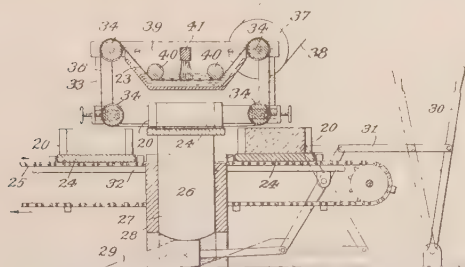
1. In apparatus of the character set forth, the combination with an upright support, of an upright work holder vertically movable thereon and having an upright front

face, means for securing work to said face, means for securing the work holder in different positions on the support, yielding means for supporting the work holder,



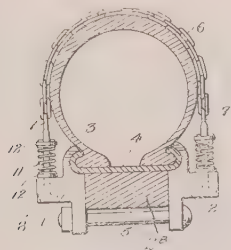
and means for adjustably mounting the support on a lathe in position to operate on the work secured to said work holder.

1,405,671. APPARATUS FOR CUTTING CONCRETE AND THE LIKE. ALFRED OWEN CROZIER, New York, N. Y. Filed Feb. 8, 1919. Serial No. 275,696. 14 Claims. (Cl. 25—105.)



1. A device for cutting compacted and densified concrete, comprising a cutter composed of wires twisted together, and means for supporting the cutter and permitting actuation thereof in the manner of a saw.

1,405,672. ANTISKID DEVICE. WILLIAM E. DAVIS, Genesee, Mich. Filed May 21, 1920. Serial No. 383,204. 2 Claims. (Cl. 152—14.)

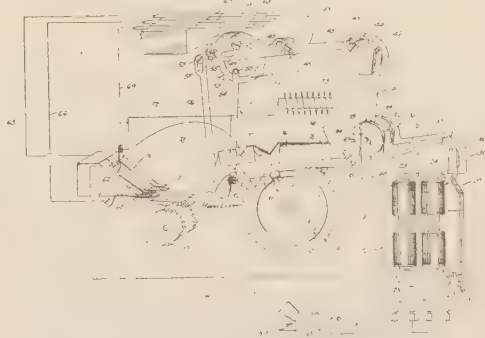


1. An anti-skid device for automobiles comprising a pair of clips each shaped to engage the rim and felly of a wheel, a bolt for binding the clips into engagement with the felly and rim, a chain section, and a device for detachably connecting each end of the chain to a clip consisting of a hook having a T shape end detachably engaging the clip, and a spring arranged to force the hook into a direction to prevent accidental disengagement between the hook and clip.

1,405,673. FIRE-ALARM TELEGRAPH. LEWIS DEGEN, Oakland, Calif. Filed Nov. 13, 1919. Serial No. 337,659. 9 Claims. (Cl. 177—369.)

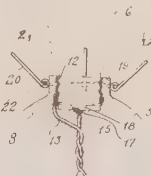
1. In a signalling system, the combination of a signal transmitter comprising a starter to render said transmitter effective, a fire character wheel and a trouble character

wheel geared so as to rotate simultaneously, a fire trip for said starter, a trouble trip for said starter, a signal circuit including a fire make and break operated by said fire wheel and a trouble make and break operated by said trouble wheel, a selector switch to place either said fire



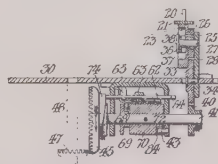
make and break or said trouble make and break in circuit for telegraphing, and means connecting one of said trips and said selector switch to operate the latter to correspond with the trip operated, said means normally holding said switch in position corresponding with the other trip.

1,405,674. LIGHTING FIXTURE. CHARLES F. ECKHART, Milwaukee, Wis. Filed Feb. 7, 1921. Serial No. 443,138. 2 Claims. (Cl. 240—10.)



1. As an article of manufacture, a lighting fixture molded of plastic non-conducting material, an internally and externally threaded open ended metallic sleeve set in the fixture at its time of molding to provide an electric lamp receiving socket, an electric feed wire having one end twisted about the exterior of said sleeve to have an electrical connection therewith, and a second electric supply wire having one end projected into the space within said sleeve to provide a contact for one terminal of the lamp, the other terminal of said lamp contacting with said sleeve.

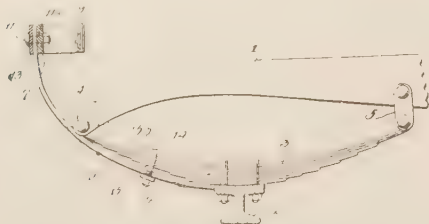
1,405,675. TALKING MACHINE. EDWARD A. ESCHINGER, Philadelphia, Pa., assignor of one-half to Joel G. Clemmer, Philadelphia, Pa. Filed Oct. 3, 1919. Serial No. 328,196. 7 Claims. (Cl. 274—15.)



1. In a sound reproducing machine; the combination with a casing; of a sound box movable to cooperate with a sound record above said casing top; means arranged to raise said box from operative position and lower it to operative position, including a cam revoluble above said casing top and driving mechanism for said cam within

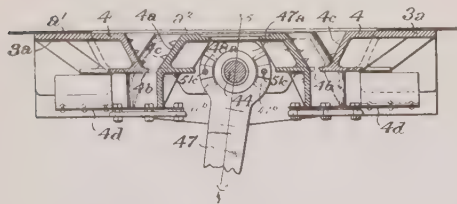
said casing below said top, including a driving gear connected with a motor and a driven gear connected with said cam; and means arranged to automatically alternately connect and disconnect said driving and driven gears, and thereby render said cam alternately operative and inoperative, including a clutch device, within said casing, having a member projecting through said casing top.

1,405,676. BUMPER SUPPORT FOR MOTOR VEHICLES. ROLLIE B. FAGEOL, Oakland, Calif. Filed Dec. 30, 1920. Serial No. 433,984. 29 Claims. (Cl. 293—55.)



18. In combination with a vehicle bumper bar, a pair of supporting members extended therefrom, consisting of a pair of elongated members adapted to be positioned beneath and parallel with the outer half of the vehicle springs and to extend along the same with the bumper mounting end projecting upwardly and beyond the outer end of the springs and the opposite end contacting with an abutment on the springs of the vehicle and means for securing the supporting members in position whereby on an impact being delivered to the bumper the bumper mounting ends of the supporting members fulcrum on the outer ends of said springs.

1,405,677. MECHANICAL STOKER. ADAM B. FAHNESTOCK, Great Neck, N. Y., assignor, by mesne assignments, to Elvin Mechanical Stoker Company, Wilmington, Del., a Corporation of Delaware. Filed Feb. 21, 1920. Serial No. 360,514. 6 Claims. (Cl. 83—53.)

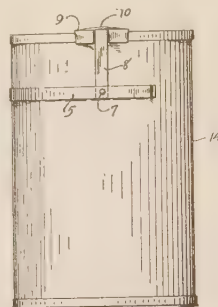


1. In a mechanical stoker, the combination of a fuel bin; means, receiving its supply therefrom, for reducing the fuel to the proper size, delivery plates positioned below the discharge of said reducing means and means fixed to and movable with a member of the reducing means, cooperating with said delivery plates, for delivering fuel therefrom into a conveying appliance.

1,405,678. COMPOSITION FOR TREATING IRON AND ITS ALLOYS. WILLIAM H. FISHER, Los Angeles, and PETER CHAMBERS, Redondo Beach, Calif. Original application filed May 18, 1920, Serial No. 382,290. Divided and this application filed Oct. 13, 1920. Serial No. 418,658. 7 Claims. (Cl. 148—29.)

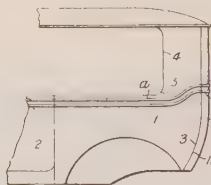
1. A carbonizing compound for steel and like metals, comprising spirits of turpentine and linseed oil.

1,405,679. SANITARY CLOSURE FOR MILK-CAN TOPS. MARY C. FLANNERY, Denver, Col. Filed Nov. 16, 1920. Serial No. 424,370. 3 Claims. (Cl. 220—24.)



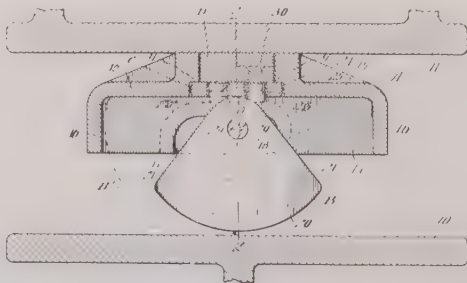
1. A closure for milk cans comprising a spring clasp adapted to engage the sides of the can, and a pair of overhanging, opposed closure plates carried by opposed portions of the clasp to cover openings in the top of the can.

1,405,680. AUTOMOBILE BODY AND METHOD OF MAKING SAME. WALTER L. FRY, Detroit Mich., assignor, by mesne assignments, to Edward G. Budd Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 3, 1917. Serial No. 146,323. 3 Claims. (Cl. 296—28.)



1. In an automobile body, sheet metal quarter panels, and a sheet metal back panel, said quarter panels abutting at their rear vertical edges with and secured to the vertical edges of the back panel, each of said quarter panels having a portion extending horizontally to the rear edge of the rear door of the body, and another vertical portion extending to the roof of the body, said vertical portion formed with means at its forward edge to constitute a window sash abutment.

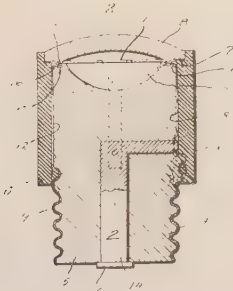
1,405,681. ANTIFRICTION BEARING. WILLIAM A. GEIGER, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed May 7, 1921. Serial No. 467,522. 3 Claims. (Cl. 64—65.)



1. In an anti-friction bearing of the character described, the combination with a retaining member adapted to be

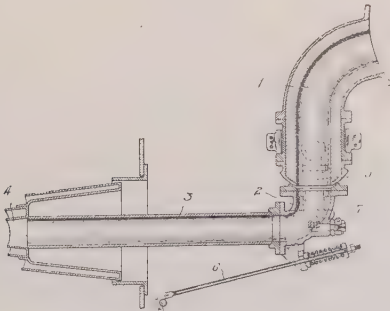
secured to the under side of a body bolster or the like; of an anti-friction gravity self-centering rocker element having supporting studs projecting from the ends thereof, the said member having grooves within which said studs extend and provide supporting ledges for the studs; of a separate bearing plate inserted within said member above the rocker and on which the rocker is adapted to roll; a filler block within said member above said plate, said filler block having lugs projecting through said plate and cooperating with corresponding recesses in said rocker to maintain the proper relation of the rocker with respect to said member; and means for rigidly securing said block and plate together.

1,405,682. RENEWABLE FUSE. HALL GOODWIN, Chicago, Ill. Filed July 20, 1920. Serial No. 397,758. 1 Claim. (Cl. 200—130.)



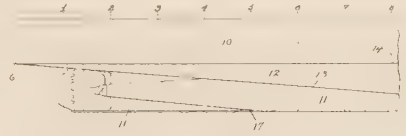
An electric fuse comprising a plug of insulating material having a socket in one end, a sleeve of insulating material detachably fitted over the socketed end of the plug and having a transparent closure over said end, a fusible element extending across the socketed end of the plug, and conductor members carried by the plug, the ends of the fusible element seating on said conductor members and being clamped thereagainst by the aforesaid sleeve, the plug end having an annular groove and the sleeve having a coinciding rib for forcing the contacting portions of the fusible element and the conductor members into the groove.

1,405,683. TUYÈRE STOCK. STANLEY R. GREENE, Cleveland, Ohio, assignor of one-half to David T. Croxton, Cleveland, Ohio. Filed July 7, 1919. Serial No. 308,964. 4 Claims. (Cl. 266—41.)



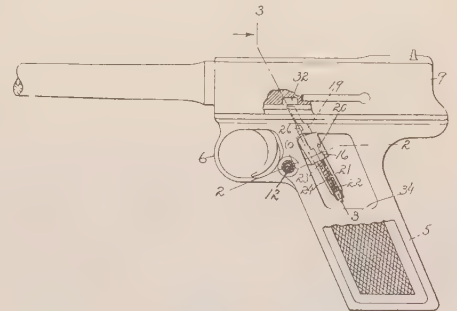
1. In a hot blast furnace tuyère stock; a blow pipe section leading into the furnace; a pipe section independently supported at an angle thereto and adapted to be connected to the bustle pipe; and an associated short unlined elbow section curved substantially from end to end adapted to be removably supported between said pipe sections in engagement with the ends thereof.

1,405,684. SHIP. ADOLPH F. HAMACEK, Chicago, Ill. Filed Sept. 27, 1919. Serial No. 326,724. 7 Claims. (Cl. 114—57.)



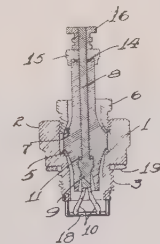
1. A ship's form in which an upwardly and inwardly extending water channel is formed on each side of the hull from substantially the midship section adjacent the bilge to a point adjacent the stern at both of which points the said channels terminate, said channels having upper and lower surfaces.

1,405,685. MAGAZINE CATCH AND RELEASE. GRANT HAMMOND, New Haven, Conn., assignor of one-third to Alva C. Washburne, Pittsfield, Mass., and one-third to Frederick G. Crane, Dalton, Mass. Filed Aug. 8, 1918. Serial No. 248,981. 14 Claims. (Cl. 42—3.)



1. A firearm including a frame, a received movably mounted on the frame, a magazine removably mounted in the frame, a manually operated member for retaining the magazine in place, automatically operated means for actuating said manually operated member to release the magazine, and means for effecting operation of said parts in the backward movement of the receiver after the last cartridge has been fired.

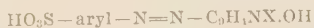
1,405,686. SPARK PLUG. THOMAS F. HANWAY, Chicago, Ill. Filed Feb. 16, 1920. Serial No. 359,094. 1 Claim. (Cl. 123—169.)



In a spark plug, an inner electrode, a hollow metallic cylinder surrounding said electrode, and having holes parallel to the axis of said cylinder in the end thereof nearest the spark gap, and a circular outer electrode comprising two semicircular wire members with their ends at an angle to the plane of the circle, said ends being seated in said holes and being of a length to support the circle with its plane through the end of the inner electrode.

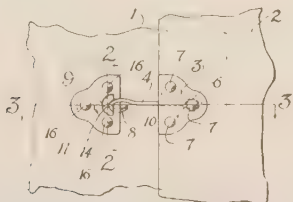
1,405,687. AZO DYES. RUDOLF HAUGWITZ, Friedrichshagen, near Berlin, Germany, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed July 5, 1916. Serial No. 107,675. 4 Claims. (Cl. 8-1.)

2. The new dyes forming on wool yellow to brownish chromium lakes which may be derived from a diazo-aryl-sulfonic acid and an 8-hydroxy-derivative of quinolin and correspond to the formula:



where X means hydrogen or a substituent.

1,405,688. GARMENT FASTENER. ISAAC N. HEATWOLE, Dalton, Ohio. Filed Mar. 5, 1921. Serial No. 449,874. 1 Claim. (Cl. 24-225.)



A separable fastener including an eye member and a hook member, the hook member having a hook located at an angle to the normal plane of the eye member and arranged to be twisted upon the axis of the hook in order to insert the same in the eye member, or release the same therefrom, the eye member comprising two spaced sheets of metal, the outer sheet having an aperture spaced from the edge, the inner sheet having an open ended chamber therein communicating with said aperture and adapted to receive the hook.

1,405,689. TONGUE GUARD. TIMOTHY O. HEATWOLE, Baltimore, Md. Filed Aug. 3, 1920. Serial No. 400,992. 2 Claims. (Cl. 128-136.)

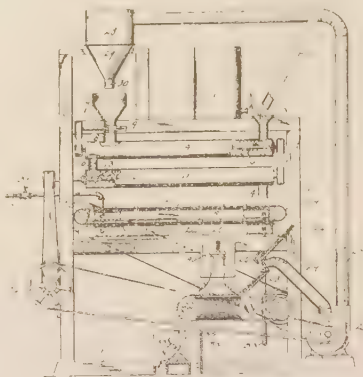


1. A tongue guard same being free to move with the tongue having side walls, and a bottom portion with a central slot open at the rear, the tongue guard being also open at the top to provide for free removal of the tongue from the guard by the patient.

1,405,690. SEED-RECLAIMING PROCESS. SHIRL HERR, Crawfordsville, Ind., assignor to Crawfordsville Seed Company, Crawfordsville, Ind., a Copartnership composed of Abner H. Flanigan, Shirl Herr, and Frost R. Freeman. Filed Dec. 3, 1920. Serial No. 427,971. 7 Claims. (Cl. 130-18.)

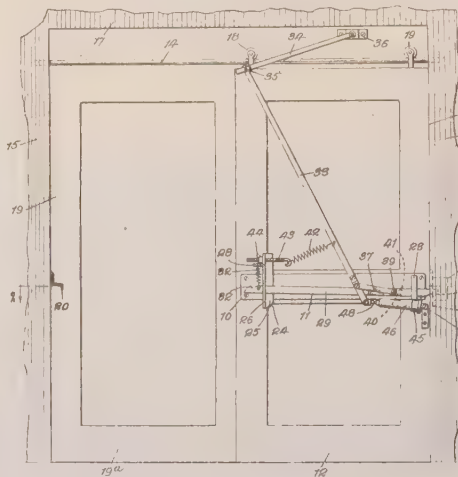
1. The process of separating and classifying heterogeneous material which consists in causing particles of magnetic permeability to adhere directly to as much of the

material as have normal characteristics capable of such adhesion, then passing the mass through the field of a



magnet to segregate the bodies with attached particles of magnetic permeability from the rest of said material.

1,405,691. DOOR-OPERATING APPARATUS. NATHAN SILVERSON, New York, N. Y. Filed May 31, 1921. Serial No. 473,726. 6 Claims. (Cl. 292-157.)

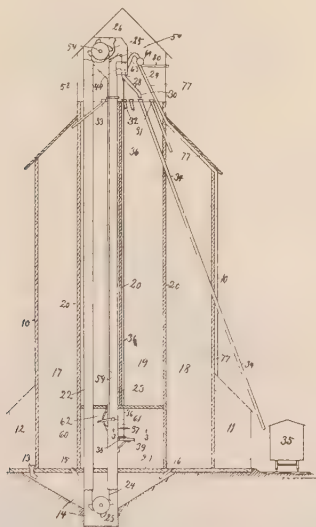


1. The combination with a door slidably movable to open and closed positions across an entrance and the side walls of the entrance having aligned clips, of a frame on the door, an upwardly and downwardly movable locking bar on the frame, catches on the ends of the locking bar, one adapted to releasably engage one of the clips when the door is closed and the other catch being adapted to releasably engage the second clip when the door is open, a spring yieldingly holding one end of the locking bar upwardly so that the catch at the other end of the bar and the cooperating clip on the entrance will be in normal engagement when the door is closed to allow the upwardly disposed end of the bar to be pressed downwardly for releasing the engaged catch and clip, and mechanism associated with the locking bar, operable for causing the door to be moved to closed position following the manual opening of the door.

1,405,692. GRAIN-HANDLING MEANS. EARL C. STARNES and EDWARD C. WILLIS, Alpha, Minn. Filed May 3, 1920. Serial No. 378,673. 2 Claims. (Cl. 130-17.)

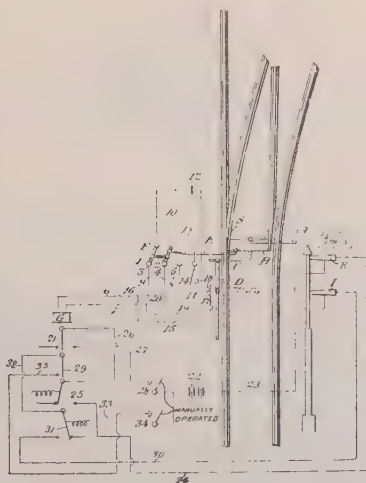
1. In a grain-cleaning apparatus a dumping pocket having an inclined bottom, a vertically disposed baffle

plate (48) for rebounding and spreading the grain, near above the lower end of the inclined bottom, and a grain outlet adjacent the lower end of the bottom, and means for blowing a current of air upwardly past the opening for cleaning the grain dropping therefrom, said bottom having its lower end offset downwardly to form a shoulder,



der, a series of fingers projecting from the shoulder and another series of fingers projecting from the downwardly offset end of the bottom, said fingers of one series being arranged in line with the spaces between the fingers in the other series, so as to effectively spread into the air current the grain to be cleaned.

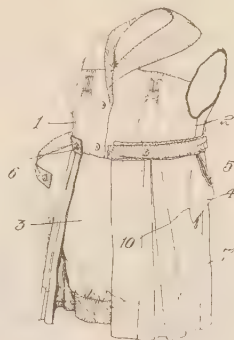
1,405,693. COMBINED CONTROLLER AND SWITCH LOCK. THOMAS GEORGE STILES, Arlington, N. J. Filed July 19, 1917. Serial No. 181,572. 17 Claims. (Cl. 246—220.)



1. The combination with a railway switch and its operating means, of means for controlling a plurality of electric circuits including means for closing the circuits, a selector operated by the switch for automatically controlling said closing means, and manually operated means for rendering said closing means inoperative during the movements of the switch.

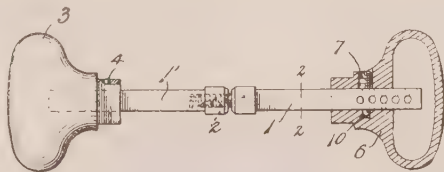
295 O. G.—5

1,405,694. COMBINATION ROMPER DRESS. MORRIS TALIANOFF, Brooklyn, N. Y. Filed May 26, 1920. Serial No. 384,288. 2 Claims. (Cl. 2—145.)



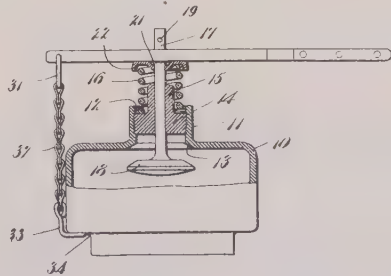
1. A garment of the class described comprising a romper, the bloomer portions of which are pegged to provide upper projecting portions, said latter portions being provided with pockets, and a dress removably applied to the romper and provided with side slits therein for the projection therethrough of the peg portions of the bloomers.

1,405,695. ADJUSTABLE LATCH-OPERATING MEANS. ERNEST L. TEICH, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Apr. 22, 1919. Serial No. 291,902. 1 Claim. (Cl. 292—350.)



In a combined knob and spindle, the combination of a square spindle having a series of perforations in its outer end, a knob having a square opening for such spindle, a dowel pin having a shank passing through and beyond said spindle and having a screw-threaded head of larger diameter than such shank, said head making screw-threaded engagement with said knob and bearing against one side of said shank so as to exert clamping pressure thereon, said knob having a recess for receiving the inner end of said shank.

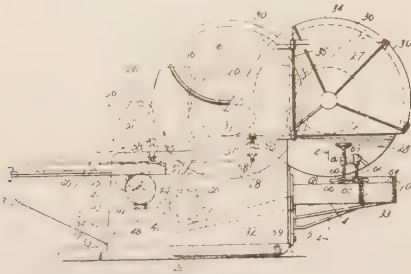
1,405,696. OVERHEAD-VALVE-SPRING COMPRESSOR. JOHN C. THOMPSON, Boston, Mass. Filed Dec. 2, 1920. Serial No. 427,678. 5 Claims. (Cl. 29—86.3.)



1. An improved overhead valve spring compressor for use with gasoline motors and the like comprising a handle, a pair of parallel members attached to said handle, and spaced apart from each other, a member at-

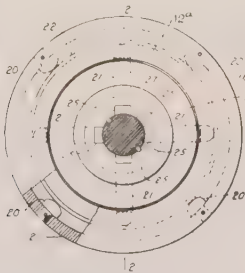
tached to said parallelly arranged members and at the end thereof remote from the handle, and a hook attached to the free end of said member.

1,405,697. SAWING MACHINE. LOUIS H. THULLEN, Grand Rapids, Mich. Filed Sept. 27, 1918. Serial No. 255,965. 14 Claims. (Cl. 29—69.)



1. In a machine of the class described, the combination with a rotatable operation performing member, work supporting means and means for feeding said operation performing member relatively to said work supporting means, of a tank arranged below and to the rear of the operation performing member and in fixed relation to the axis thereof, to catch particles thrown from the operation performing member.

1,405,698. CLUTCH. FRANK A. TURNER, Boston, Mass. Filed Feb. 6, 1920. Serial No. 356,638. 3 Claims. (Cl. 192—52.)

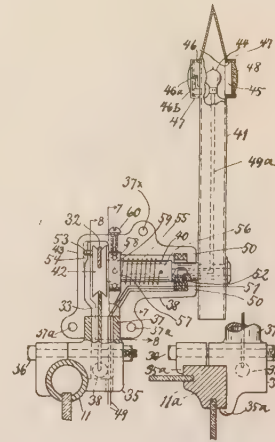


1. A clutch comprising outer and inner body members, and torque-transmitting members, including a resilio-positive annular member, normally floating loosely between the body members, and non-resilient members engaged with the body members, means being provided for moving some of said non-resilient members into interfering relation with the others to flex said annular member and cause said torque-transmitting members to cooperate in first yieldingly and then positively connecting the body members.

1,405,699. AUTOMOBILE DIRECTION SIGNAL. EDWARD K. WARD and GEORGE F. BOUCHER, St. Paul, Minn. Filed Dec. 11, 1920. Serial No. 430,047. 3 Claims. (Cl. 116—54.)

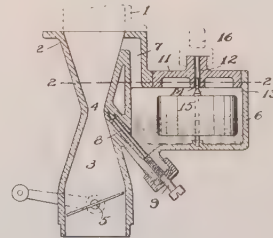
1. In an automobile direction signal device, the combination with the steering shaft column, of a frame secured thereto and having two vertically slidable operating rods, each with a press button at its top, a spring on each rod arranged to slide the rod upward, means on each rod for a catch to engage a pivoted dog near each rod arranged to automatically engage said means and hold the rod depressed, a guided flexible element extended from the lower end of each operating rod, a signal arm pivotally mounted

near each front corner of the vehicle and having a horizontal rock shaft with a pulley fixed on it and operatively connected with one of said flexible elements so as to be turned with the signal arm to a horizontal lateral position



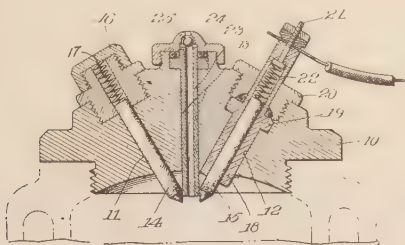
by the spring acting on the operating rod, and a weaker torsion spring arranged upon the rock shaft to turn the signal arm to a vertical position when the spring at the push rod ceases to act after the corresponding rod has been released from the dog.

1,405,700. CARBURETOR. HORACE H. WELCH, Detroit, Mich., assignor, by mesne assignments, to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 11, 1915. Serial No. 13,558. 1 Claim. (Cl. 261—72.)



In combination, a carburetor having an air passageway comprising a Venturi tube, one end thereof being for the entry of air and the other end thereof being for the exit of combustible mixture, a fuel nozzle feeding into said Venturi tube approximately at the most restricted part thereof, a float chamber feeding said fuel nozzle, a float in said chamber, a liquid fuel inlet for said chamber, a valve operated by said float and controlling said liquid fuel inlet for said chamber to determine the level of liquid fuel therein and in said fuel nozzle, a permanently unneutralized passage connecting said chamber above the liquid fuel level therein with said air passageway at the exit side of said most restricted part of said Venturi tube, a manually controlled throttle in said air passageway, the only obstructions in said passageway being fixed or manually controlled, and a liquid fuel supply tank below the level of liquid fuel in said chamber and connected directly with said liquid fuel inlet for said chamber.

- 1,405,701. SPARK PLUG. CLYDE B. WHITE, Buffalo, N. Y. Filed Nov. 5, 1919. Serial No. 335,925. 11 Claims. (Cl. 123—169.)



1. A spark plug for internal combustion engines embodying a pair of movable spring-pressed electrodes arranged to project toward each other.

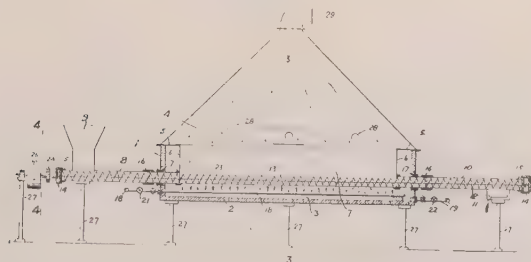
- 1,405,702. STORAGE BATTERY. WILLIAM H. WOOD, South Euclid, Ohio. Filed Mar. 31, 1920, Serial No. 370,319. Renewed Jan. 24, 1921. Serial No. 439,693. 4 Claims. (Cl. 204—29.)

3. A plate for a storage battery consisting essentially of lead oxide impregnated with short sections of animal hair from which the external scales have been removed.

- 1,405,703. STORAGE BATTERY. WILLIAM H. WOOD, South Euclid, Ohio. Filed June 1, 1920. Serial No. 385,541. 13 Claims. (Cl. 204—29.)

1. An acid resistant element for storage batteries made pervious by the presence of organized keratin.

- 1,405,704. APPARATUS FOR DISTILLING HEAVY HYDROCARBONS, SHALE, AND THE LIKE. WILLIAM D. P. AIMS, Philadelphia, Pa. Filed Nov. 15, 1920. Serial No. 424,010. 5 Claims. (Cl. 196—19.)

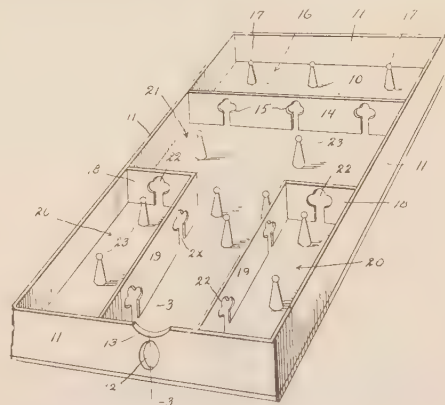


1. Apparatus for distilling heavy hydrocarbons comprising the combination of a shell having a distillate off-take, a plate arranged across the shell, a series of troughs having extended side walls and forming with the plate a partition dividing the shell into upper and lower chambers and open to the upper chamber, conveyor-screw casings extending from the ends of the troughs outside of the shell, conveyor screws in the troughs and casing, and individual heating means below the troughs and all enclosed in the lower chamber, substantially as described.

- 1,405,705. GAME. HENRY E. ANKENER and LAWRENCE A. DEMARCO, Baltimore, Md. Filed Mar. 12, 1921. Serial No. 451,917. 1 Claim. (Cl. 46—61.)

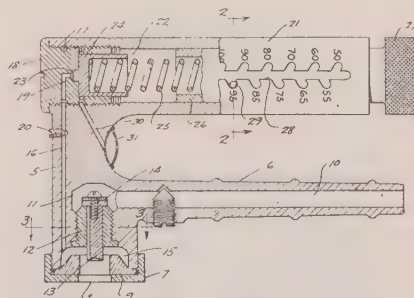
- A game comprising the combination with a game board having a playing surface surrounded by a retaining flange, of movable pieces disposable upon the playing surface at selected locations, and a spinning top adapted to be spun upon and travel over the playing surface for knocking over the pieces thereon, the top including a spindle body

adapted to have string wrapped thereabout and further including a disk member located intermediate the ends of the spindle, one end of the board being provided with retaining means for initially holding the top and being provided with an opening through which the string may be pulled, said retaining means comprising vertically



spaced blocks secured upon the flange above and below the opening therein and provided with notches for the reception of the top spindle, the board being provided with a depression below and aligning with said notches for receiving the lower end of the spindle, said end wall of the board having its upper edge cut away whereby the upper end of the spindle will extend thereabove for engagement by a finger.

- 1,405,706. AIR GAUGE. DOZIER THORNTON BENTLEY, Sacramento, Calif., assignor of one-half to Aline E. Bentley and one-half to Frank W. Galvery, Sacramento, Calif. Filed Nov. 15, 1920. Serial No. 424,266. 2 Claims. (Cl. 116—34.)

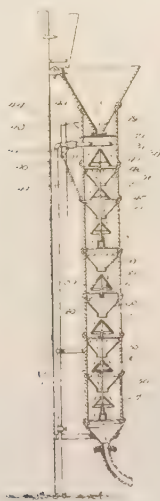


1. In a device of the class described, the combination of a body, said body having an air inlet chamber provided with a port for communication with a body to be inflated, a gauge cylinder having a cylindrical bore communicating with said chamber, a valve slidably disposed in said bore, a spring holding said valve to its seat, said cylinder being provided with a slot having lateral branches, a slidable and rotatable member disposed in the end of said cylinder and having a pin disposed in said slot, said spring abutting said member, whereby the compression thereof may be varied, said cylinder being provided with an air port disposed to be uncovered by lifting of said valve.

- 1,405,707. CONCRETE MIXER. ROY R. BEERS, Alva, Okla. Filed May 15, 1920. Serial No. 381,770. 1 Claim. (Cl. 83—73.)

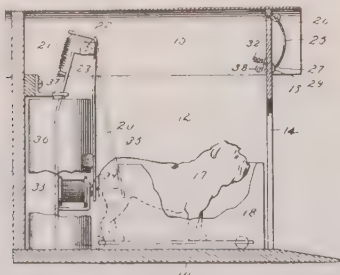
A concrete mixer comprising a fixed vertical tubular casing, a hopper on the upper end of the casing to discharge thereinto, a series of inverted open-ended conical

baffles secured rigidly at their upper ends to the wall of the casing, a shaft mounted for rotation in the casing and passing axially through said baffles, conical spreaders fixed on said shaft concentric therewith and alternating with the inverted open-ended baffles, vanes on the upper surface of each spreader defining an arc having radius



of the spreader for its chord and spreader extending from the center of the spreader to the edge thereof whereby material falling on said spreader from a superposed baffle will effect rotation of the spreader, there being a free annular space between the lower edge of the spreader and the wall of the casing through which material will be centrifugally discharged.

- 1,405,708. SOUND-OPERATED CIRCUIT CONTROLLER. CHRISTIAN BERGER, New York, N. Y., assignor to Frederick L. Sawyer, Evanston, Ill. Filed Nov. 14, 1918. Serial No. 262,516. 4 Claims. (Cl. 200—52.)

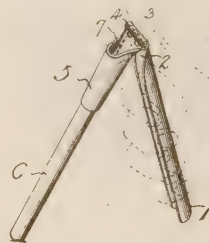


4. A housing for a sound operated toy, having a wall or walls arranged to vibrate by the action of sound waves, and electric contact means mounted directly on a housing wall, whereby sound waves may effect a breaking of contact.

- 1,405,709. THERMOMETER HOLDER CASE. WILLIAM A. BLACK, Asheville, N. C. Filed Oct. 11, 1920. Serial No. 416,136. 3 Claims. (Cl. 73—52.)

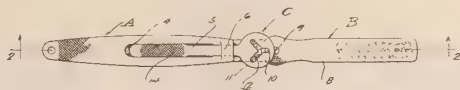
1. A device of the class described including a thermometer casing receiving socket member opening at both ends and adapted to receive therein a thermometer casing,

and a handle pivoted to the upper end of the socket member and adapted to receive the portion of the ther-



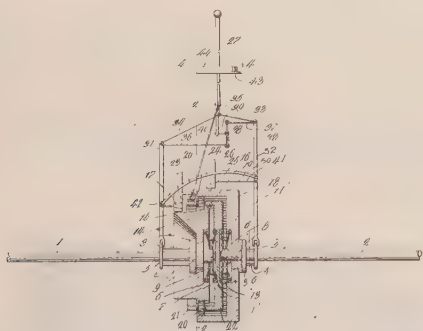
by the measuring instrument body and a displaceable bolt, and a plate secured to said lever and forming therewith bearing faces to receive said knife edges.

- 1,405,712. ADJUSTABLE HANDLE. HARRISON LEWIS, Los Angeles, Calif. Filed June 18, 1919, Serial No. 305,166. Renewed June 27, 1921. Serial No. 480,907. 2 Claims. (Cl. 287—14.)



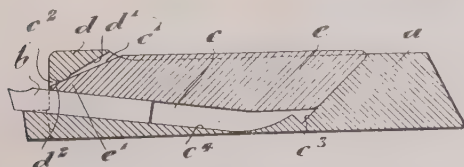
2. In a device of the class described, the combination of two members pivotally secured to each other, one of said members being provided with a single crank pin, a manually operable adjusting member slidably mounted on the other of said members and being provided with a head having a Y-slot in which said pin is disposed whereby the angular relation of the pivotal members may be adjusted.

- 1,405,713. VARIABLE-SPEED GEARING. EMMETT M. MILLER, Bassett, Nebr. Filed Feb. 12, 1918. Serial No. 216,768. 9 Claims. (Cl. 74—34.)



1. In a transmission gearing, a driving shaft, a driven shaft, a plurality of gears for imparting motion from the driving to the driven shaft embodying a plurality of clutching devices each having a movable element for effecting a clutching action upon the gears, an actuating member having means for successively operating said elements, and a braking mechanism embodying a movable element for effecting a braking action upon the gears, said actuating member also having means for operating said last mentioned element to effect a braking action at points in the path of movement of the actuating member intermediate the points of operation of the first mentioned means.

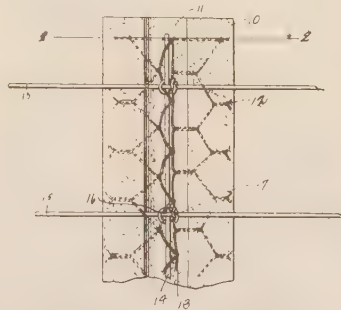
- 1,405,714. TOOL HOLDER FOR LATHES, SHAPING, PLANING, AND OTHER LIKE MACHINES. RALPH MILLER, Birmingham, and STANLEY CHARLES ICKE, Acocks Green, near Birmingham, England. Filed Mar. 26, 1920. Serial No. 369,042. 2 Claims. (Cl. 29—96.)



1. A tool holder, suitable for lathes, shaping, planing or other machines, involving or including a fixing member

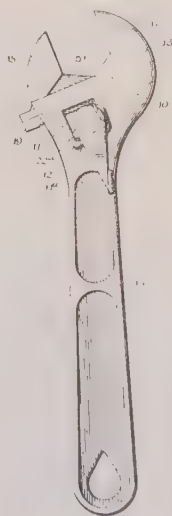
having a wedge-shaped nose or extremity which is adapted to operate between the cutting tool within the holder and a fixed part of the latter member, the fixing member being provided with an inclined face at its rear extremity adapted to co-act with a corresponding inclined face provided within the holder so that in the tightening operation of the holder the said fixing member is caused to move longitudinally on account of the inclined co-acting faces to operate the wedge-shaped nose, for the purpose set forth.

- 1,405,715. WIRE FASTENER. ORAN OLSON, Haugen, Wis. Filed Aug. 27, 1919. Serial No. 320,257. 2 Claims. (Cl. 256—51.)



1. A device of the character described comprising the combination of a plastic body having a centrally arranged longitudinally extending channel upon one face thereof and a strip of reinforcing wire mesh embedded therein adjacent the channeled face, a longitudinally extending key within the channel, said reinforcing strip having strands projecting into the channel and straddling the said key on all sides throughout its length whereby the latter is held in centrally spaced relation to the walls of the channel and substantially flush with the outer face of the body, and binding means connecting the key and straddling strands at intervals and providing means for binding a transverse fence wire in engagement with said key.

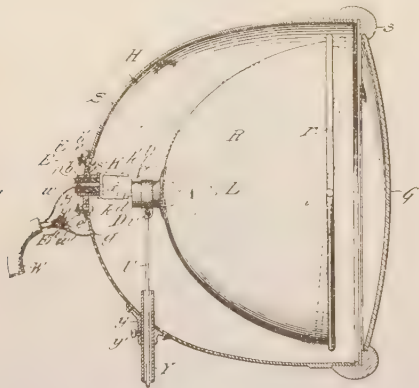
- 1,405,716. WRENCH. BENJAMIN G. PATTERSON, Oklahoma, Okla. Filed Mar. 17, 1921. Serial No. 453,031. 5 Claims. (Cl. 81—150.)



4. In a wrench of the character described, a body portion having an opening provided with an inclined wall, coating jaws carried by said body portion, one of said jaws having a carrier provided with a series of serrations, means for

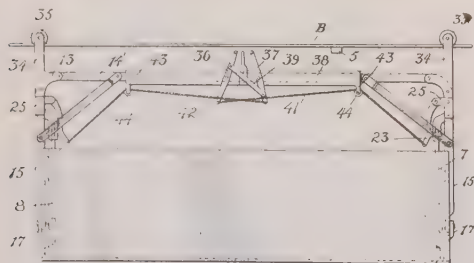
releasably locking said coacting jaws in adjusted position including a locking cam fulcrumed upon the inclined wall of the opening having a knife edge engageable with the serrations of the carrier, spring means for urging said locking cam to locking position, and an operating lever for moving said locking cam against the action of said spring means.

1,405,717. AUTOMOBILE HEADLIGHT. TRUMAN W. POST, Providence, R. I., assignor to Willys Corporation, Toledo, Ohio, a Corporation of Delaware. Filed May 16, 1917. Serial No. 168,936. 6 Claims. (Cl. 240—41.)



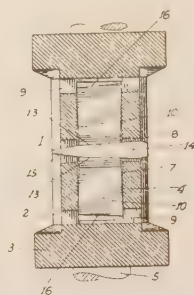
1. In an automobile headlight, the combination with a rockable reflector adapted to be tilted downwardly to prevent the glare from its beam of light obstructing the vision of a person in front thereof, of an electric lamp in said reflector having a terminal, a make-and-break switch having spaced-apart terminals for engaging with the lamp-terminal to complete the circuit therefor, and manually-controlled means for rocking the reflector to shift the lamp from one terminal to the other on the switch so that when the reflector is shifted an insufficient extent for the purpose intended the switch will act to cut off the current whereby to extinguish the light to warn the operator.

1,405,718. AUTOMATIC CARRIER. GEORGE A. RAHMEYER and FRANZ P. RAHMEYER, Ansley, Nebr. Filed May 6, 1920. Serial No. 379,342. 6 Claims. (Cl. 214—61.)



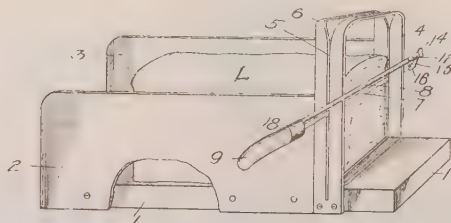
1. A carrier comprising a casing including a pair of companion sections, a supporting structure for the casing, means independently connecting the sections to the supporting structure for swinging movement, a stop carried by the supporting structure, means connecting the sections together for synchronous movement, a rod carried by one of the sections arranged to engage said stop to limit the swinging movement of the sections in one direction in relation to the supporting structure, pivoted catches carried by the supporting structure, and arranged to engage said stop and rod to normally hold the sections against swinging movement on the supporting structure, and means for operating said catches.

1,405,719. TAPPET. JOHN C. REAVES, Plymouth, Calif. Filed June 2, 1920. Serial No. 386,117. 4 Claims. (Cl. 287—52.)



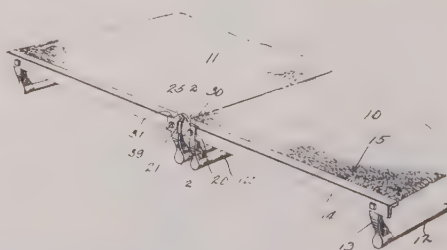
1. A tappet comprising a body bored to surround a shaft, a pocket formed in the body lengthwise thereof communicating with the bore and whose inner edge tapers towards the bore from central of its length toward the ends, similarly tapered gibbs slidably seated in the pocket shaped to partially encircle the shaft, the adjacent ends being oppositely tapered relative to each other, a tapered driving key adapted to be inserted between such tapered ends to force the gibbs apart, and transverse keyways at the ends of the pocket, the opposite ends of the gibbs projecting thereinto and being tapered parallel to the other end thereof, whereby to loose the gibbs when driven apart by the key, drifts must be driven into the keyways from the side thereof opposite to the direction of driving of the key.

1,405,720. BREAD CUTTER. JOHN A. SCOTT, Spokane, Wash. Filed June 7, 1921. Serial No. 475,799. 2 Claims. (Cl. 146—12.)



1. The combination with a handle, and knife-bar having a reduced, grooved extension, of a ferrule having a guide pin and movable on said extension, means for adjusting the ferrule with relation to the extension, a flanged bracket arm on said ferrule and a stud thereon, a ferrule fixed to the handle and a stud thereon, and a slotted knife blade offset from said bar and supported on said studs.

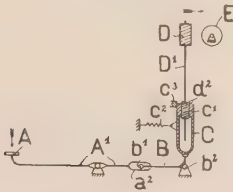
1,405,721. SECTIONAL BED FRAME. ADAM H. SHEARER, York, Pa. Filed Apr. 14, 1920. Serial No. 373,888. 1 Claim. (Cl. 5—64.)



The combination with a pair of angle rails disposed with their corresponding webs in end abutting relation of a pair

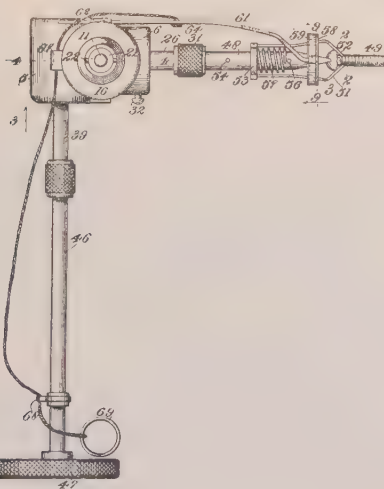
of hinged leaves each including a plate comprising a body secured against the outer side faces of corresponding webs and having each a flange along an edge disposed upon the other web of its rail, the plates having necks extending beyond those webs upon which their flanges rest respectively, the necks being overlapped and contacting and pivotally connected, the flange of one plate extending continuously of the edge of the neck of that plate and resting at the under side of the neck upon the same rail web with the corresponding body flange of that plate.

1,405,722. TYPEWRITER MECHANISM. ADOLF SIEPMANN and AUGUST RADEMACHER, Essen, Germany, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Feb. 14, 1921. Serial No. 444,866. 15 Claims. (Cl. 197—47.)



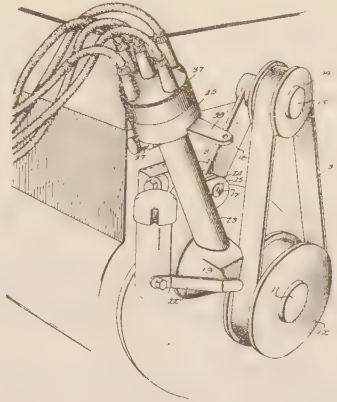
1. A typewriting mechanism comprising a type carrier having a plurality of circumferentially extending types and mounted for rotation to effect type selection, an index and pointer, and means connecting said pointer to said type carrier and including a screw-threaded guide for selecting the type.

1,405,723. SCREW DRIVER. ALBERT E. SIMMONS, Eureka, Calif. Filed Aug. 21, 1920. Serial No. 405,045. 1 Claim. (Cl. 144—32.)



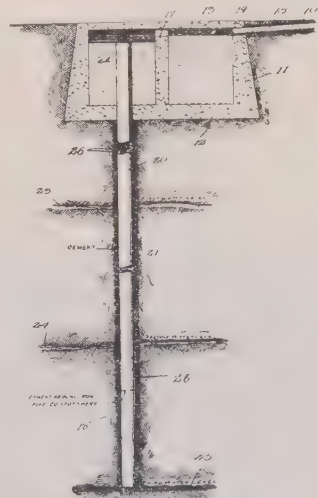
In a screw driver, a casting, a shaft rotatably supported in the same, the casting being transversely divided so that either portion is capable of independent rotary motion on the shaft, a sleeve slidably but not rotatably secured on the shaft having means for selectively engaging one of the said portions in different positions so as to lock the same to the shaft, a screw engaging shaft supported in said portion at right angles to the first shaft adapted to receive rotary motion from the same, and a driving shaft supported in the other portion in a plane parallel to that of the second shaft and driving the screw engaging shaft through gears rotating on the first shaft.

1,405,724. TIMER - SUPPORTING BRACKET. ELMER SMITH, Fond du Lac, Wis. Filed Dec. 14, 1921. Serial No. 522,196. 2 Claims. (Cl. 123—146.5.)



1. In a device of the character described, the combination with the crank case of a Ford automobile having a flange at the end thereof near the fan bracket, of a casing having one end thereof adapted to interfit with the flange, an upstanding sleeve carried by the casing and provided upon one side with a lateral extension having an opening, said extension being so located and the opening therein of such a size that such opening is adapted to bodily receive the head of the fan bracket supporting bolt, a leaf spring connected with the crank case upon the other side of the sleeve and engaging said casing and forcing the casing toward the crank case, a second casing secured to the upper end of the sleeve and adapted to receive circuit closing means, and driving means for the circuit closing means including gears in the first named casing and a shaft extending longitudinally through said sleeve.

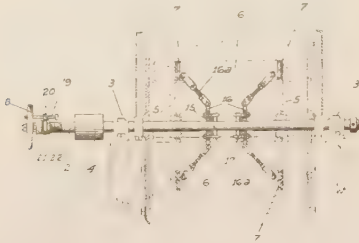
1,405,725. DRAINAGE SYSTEM. WILSON JAMES SNIVELY, Mount Pleasant Township, Westmoreland County, Pa., assignor of one-half to W. Irwin Hunter, Greensburg, Pa. Filed July 15, 1920. Serial No. 396,522. 6 Claims. (Cl. 61—11.)



1. A method of draining water from surface pools, mine shafts, marshes and swamps or the like, and of preventing pollution of the upper water strata consisting in drilling

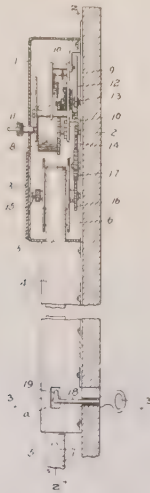
a hole through the soil to a lower water stratum and porous earth to create a suction, and casing of all surface and other water above said stratum.

1,405,726. BEATER ADJUSTMENT FOR ALMOND HULLERS. ARCHIBALD R. STEPHEN, Lodi, Calif. Filed Apr. 12, 1921. Serial No. 460,733. 9 Claims. (Cl. S3—30.)



1. In an almond huller comprising a drum, a driven shaft passing therethrough, beater boards mounted in connection with said shaft and arranged for radial movement relative thereto, sleeves slidably mounted on the shaft and turnable therewith, means connecting said sleeves with the beater boards whereby said boards will have radial movement imparted thereto when the sleeves are moved in opposite directions, a shaft adapted to be turned by hand from one end of the first named shaft and extending there-through, and means operatively connecting said hand turned shaft with the sleeves to move the latter in opposite directions with the rotation of said latter shaft.

1,405,727. WATCHMAN'S REGISTERING APPARATUS. JOSEPH STUART, Pittsburgh, Pa. Filed Feb. 25, 1919. Serial No. 279,191. 4 Claims. (Cl. 234—37.)

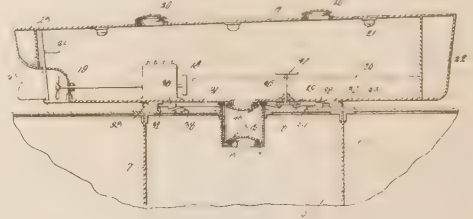


1. A registering apparatus comprising a casing adapted to be secured to a supporting structure, a tape guide depending from said casing, said tape guide being constructed to hold the tape perpendicular to the plane of the supporting structure when the casing is secured thereto and provided with an opening therein for a marker, a removable marker adapted to be moved through an arc and arranged to be projected through the opening when so moved, and means in the casing for moving the tape through the depending guide.

1,405,728. SUBMARINE ESCAPE BOAT. OSCAR TERVO, Quincy, Mass., assignor of one-half to Konsta Hill, Quincy, Mass. Filed Feb. 12, 1921. Serial No. 444,457. 2 Claims. (Cl. 114—16.7.)

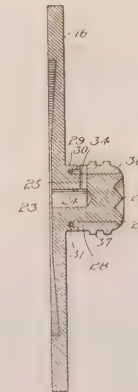
1. A life boat attachment for submarines, in combination with a submarine boat, a life boat arranged on top of

the submarine, a hatch-way mounted in the submarine and communicable with the life boat, independent hatches carried by both the life boat and submarine boat to close communication through the hatch-way, means for disconnect-



ing the life boat from the submarine boat, and valve means controlled by said second mentioned means to admit water pressure to the underside of the life boat hatch when the first said means is operated to prevent a vacuum from forming in the hatch-way.

1,405,729. FISHING-REEL OIL-CAP PROTECTOR. SAMUEL THOMAS THORPE, Bristol, Conn. Filed Aug. 11, 1921. Serial No. 491,534. 1 Claim. (Cl. 64—24.)



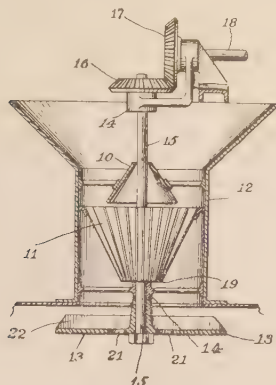
In a fishing reel, a rotating member having a trunnion, a bearing for said trunnion having an oil orifice therein, an annular flange surrounding a portion of said bearing and providing an annular groove, a spring in said groove, a dust cap having an oil orifice and rotatably mounted on said bearing, an annular flange thereon extending into said annular groove and pressing against said spring, and means carried by said bearing for preventing withdrawal of said cap while permitting rotation thereof against the resistance offered by said spring.

1,405,730. SHARPENING TOOL. CHARLES V. WRIGHT, Tamaqua, Pa. Filed Feb. 2, 1920. Serial No. 355,538. 3 Claims. (Cl. 76—82.)



1. A sharpening tool for the rotary cutter of a pencil pointing machine, comprising a shank and a pointed member having a surface of a configuration and hardness that will cut metal, said pointed member having a size and shape corresponding with the space between said rotary cutters.

- 1,405,731. APPARATUS FOR DISTRIBUTING MATERIALS. ARNOLD NESBITT MACNICOL, Melbourne, Victoria, Australia. Filed Dec. 28, 1917. Serial No. 209,271. 1 Claim. (Cl. 198—128.)

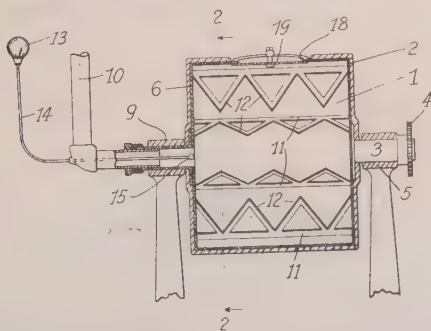


In apparatus for distributing material, a downward conduit for the material, and a rotatable distributing member at the bottom of said conduit, said member comprising a substantially horizontal plate having radial ribs thereon and central openings, and a substantially conical screen extending upwardly and outwardly from the sides of said openings.

- 1,405,732. METHOD OF DERIVING HYDRAZOBENZOL AND ITS HOMOLOGUES. WILLIAM H. MAHLER, Newark, N. J. Filed May 25, 1918. Serial No. 236,511. 2 Claims. (Cl. 23—24.)

1. The method of deriving hydrazobenzol, comprising subjecting an aqueous mixture of nitrobenzol and caustic soda to the action of zinc in the form of particles having a large mass and a small surface area as compared with filings, the full charge of nitrobenzol, caustic soda, and zinc being located at one time and discharging the evolved gases.

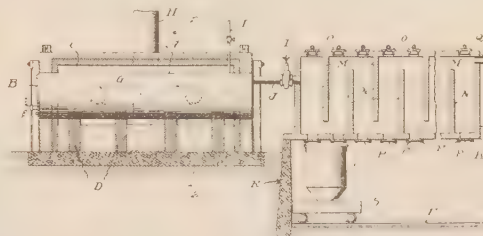
- 1,405,733. CHEMICAL APPARATUS. WILLIAM H. MAHLER, Newark, N. J. Filed May 25, 1918. Serial No. 236,512. Renewed Apr. 26, 1921. Serial No. 464,535. 14 Claims. (Cl. 259—82.)



1. The combination with a movable container adapted to receive a charge of chemically interacting substances, means for indicating the temperature of the interior of the container, means for elevating within the interior of the container the relatively heavier substances of the charge and returning the same into the charge comprising a plurality of spaced, relatively narrow shelves disposed within said container, each said shelf extending longitudinally substantially parallel to the direction of lengths of said container and substantially continuously from one end to the other end of said container, each side shelf having an edge engaging the inner face of said container, each said shelf extending inwardly toward the

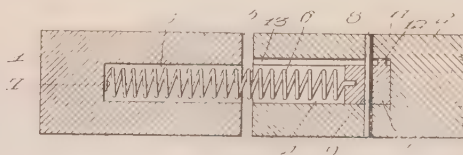
center of said container, and spaced agitation members disposed within said container extending inwardly and more closely to the center of the interior of said container than said shelves.

- 1,405,734. MANUFACTURE OF ALUMINUM CHLORIDE. ALMER M. MCAFEE, Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa., a Corporation of Texas. Filed Mar. 22, 1919. Serial No. 284,347. 10 Claims. (Cl. 23—13.)



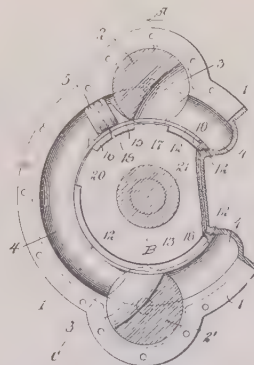
1. The process of recovering aluminum chloride from hydrocarbon residues containing the same in combination, which comprises heating such residues to a temperature sufficient to break up the compound, and condensing the aluminum chloride released.

- 1,405,735. DOOR SPRING. DANIEL W. MILLSAPS, Washington, D. C. Filed Mar. 23, 1921. Serial No. 454,736. 3 Claims. (Cl. 16—72.)



2. In combination with a door and frame members having aligning bores, a spring seated within both bores and having an end fixed to each member and means whereby one end may be disengaged from its members to permit said last end to seat disconnectedly in its bore, a head on said last end having a transverse bore adapted to align with similar bores in one of said members and a pin forming said last means, adapted to project through all of said transverse bores, and means whereby said transverse bores are caused to align, said last means including a pin on said head.

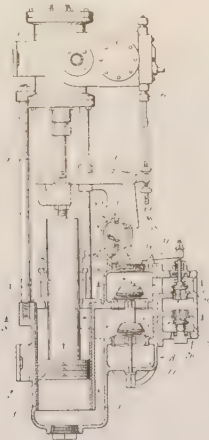
- 1,405,736. ROTARY PISTON APPARATUS. RICHARD S. M. MITCHELL, Port Jefferson, N. Y. Filed June 17, 1915, Serial No. 34,768. Renewed Apr. 28, 1921. Serial No. 465,247. 23 Claims. (Cl. 192—58.)



1. In a rotary piston apparatus, a driving shaft, a driven shaft, a casing on one of said shafts formed with

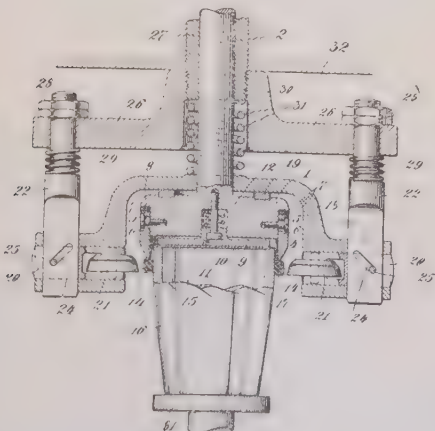
an annular passage the cross-sectional contour of which is continuously curved and which has a continuous slot extending therefrom, means carried by the other shaft for filling said slot to form a closed chamber of said passage adapted to contain a mobile medium, a piston closely fitted into said passage carried by said means, a plurality of abutments in said casing extending across said passage and beyond the passage in all directions transverse thereto, means for setting said abutments to obstruct said passage in desired degree to correspondingly affect the flow of said medium, and means for actuating each of said abutments to permit the passage of said piston.

1,405,737. COMBINED FEED AND BRINE PUMP. ERIC HUGO NELSON and EDWARD A. DEWALD, Massillon, Ohio, assignors to The Griscom Russell Company, New York, N. Y., a Corporation of Delaware. Filed July 30, 1920. Serial No. 400,270. 12 Claims. (Cl. 103-79.)



1. In a combined feed and discharge pump, a pump chamber for the feed, a pump chamber for the discharge, and means controlled by the pump for by-passing a predetermined quantity of the feed into the discharge.

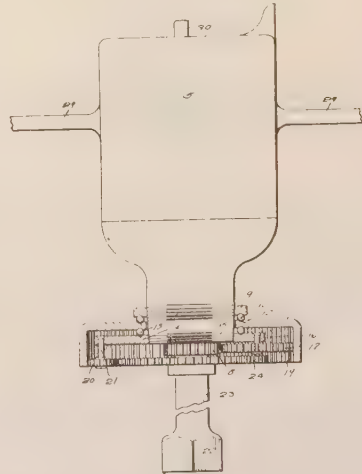
1,405,738. METHOD AND APPARATUS FOR SEALING CONTAINERS. GEORGE RAMSEY, Brooklyn, N. Y., assignor to Anchor Cap & Closure Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 30, 1918. Serial No. 269,226. 31 Claims. (Cl. 226-87.)



1. In a machine for sealing glass containers and the like the combination of a table for supporting a suitable

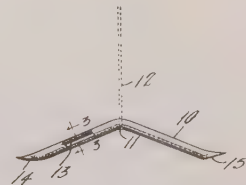
container, an anvil above said table, spinning rollers adjacent said anvil, mechanism for lifting said table to bring the bead of a suitable cap on a container on said table into engagement with said anvil, and means for operating said spinning rollers to deform the bead on the cap against said anvil, whereby a hermetic seal is established between the cap and the container, said anvil being effective intermediate the rollers and the container wall to sustain the spinning pressure.

1,405,739. BOLTING-UP DEVICE. JOHN RATZ, Fort Howard, Md. Filed Oct. 8, 1921. Serial No. 506,413. 4 Claims. (Cl. 81-55.)



1. In combination a compressed air tool comprising a casing and a tubular driven member therein, a socket carrying shank disposed in axial alignment with said casing and guided in and rotative with respect to said driven member, and a train of gearing between said shank and said driven member for reducing the rate of speed of rotation of the shank with respect to said member.

1,405,740. FISH-CATCHING DEVICE. GEORGE P. RIZA, Dallas, Tex. Filed Feb. 15, 1921. Serial No. 445,095. 2 Claims. (Cl. 43-27.)

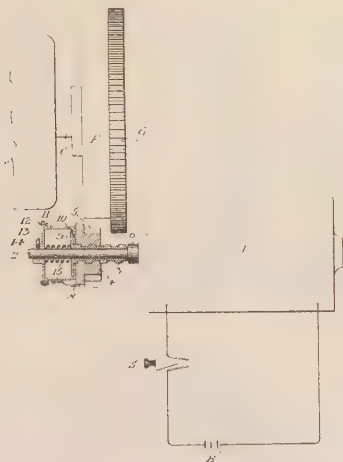


1. In a fish catching device, an elongated member bent out of a straight line and having pointed ends, said member being adapted to be attached, intermediate its ends to a fishing cord, said member having an enclosed cavity.

1,405,741. PROCESS FOR MAKING GLUE AND THE LIKE FROM GLUE MATERIAL. OTTO RÖHM, Darmstadt, Germany. Filed Mar. 10, 1917. Serial No. 154,032. 4 Claims. (Cl. 87-7.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

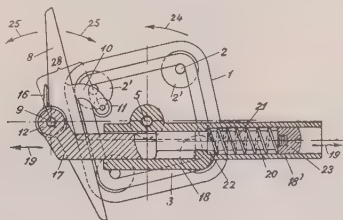
1. The process for making glue or the like from glue material which consists in bringing animal waste into a solution which contains enzymes of the pancreas, or similar enzymes which disintegrate albumen, before boiling same, substantially as set forth.

1,405,742. STARTER FOR ENGINES. SAMUEL W. RUSHMORE, Plainfield, N. J. Filed Dec. 20, 1919. Serial No. 346,431. 5 Claims. (Cl. 74—7.)



1. In an engine starter of the type including an electric starting motor, a shaft driven thereby, a screw element rotated by said shaft, a pinion adapted to screw endwise into and out of engagement with a gear for starting the engine according as said screw element rotates faster or slower than said pinion, and, in combination with said parts, a friction coupling interposed between the electric starting motor and the engine, said coupling having frictional engagement sufficient to transmit the normal power required for driving the engine up to starting speed but insufficient to withstand the abnormal torque developed by the momentum of the driving members acquired during the shifting of said pinion, together with means whereby abnormal torque, applying abnormal endwise screwing effort, operates automatically to reduce the pressure of the friction elements of said friction coupling.

1,405,743. APPARATUS FOR PRODUCING EDGED WORK ACCORDING TO A PATTERN. RUDOLF RYCHIGER and ERNST KÜPPER, Steffisburg, Switzerland. Filed July 14, 1919. Serial No. 310,664. 1 Claim. (Cl. 164—34.)



Apparatus for producing edged work according to a pattern, which is connected to the rotating machine spindle and causes the movement in a transverse direction of a copying lever that moves with the tool and is caused to oscillate, comprising a polygonal pattern provided with a guide frame having inner and outer edges, a copying lever contacting with the outer edges of said guide frame, an arm on said lever contacting with the inner edges of said guide frame in such a manner that the copying lever is always set parallel with one or other of the straight sides of the guide frame and spring means to cause the rapid tipping over of the lever around the corners of the pattern guide frame.

1,405,744. NECK GARMENT. SAMUEL S. SAMPLINER, Cleveland, Ohio, assignor to The Rich-Sampler Knitting Mills Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 27, 1916. Serial No. 139,159. 3 Claims. (Cl. 2—59.)



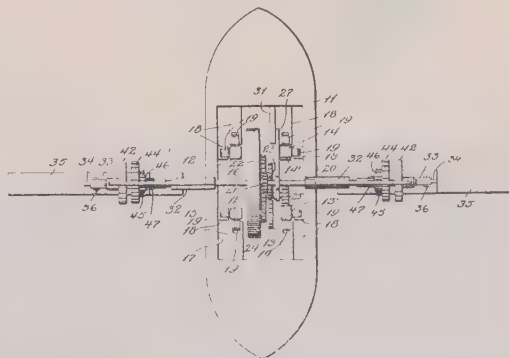
1. A neck scarf, comprising a length of longitudinally ribbed fabric adapted to encircle the wearer's neck and terminally lie along his chest; said fabric having a longitudinal slit between adjacent ribs of the knitting, through which an end is adapted to be passed and closely held in adjusted positions about the neck.

1,405,745. ADJUSTABLE HOOK FOR REFRIGERATOR CARS. BERNARD WINGER, Cincinnati, Ohio. Filed Oct. 29, 1920. Serial No. 420,541. 4 Claims. (Cl. 105—367.)



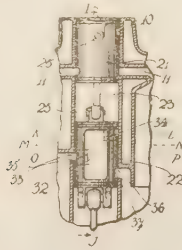
1. In a refrigerator car, the combination of a cross bar, brackets mounted upon the sides of the car, flanges on the brackets and supporting the cross bar, collars mounted upon the flanges and retaining the cross bar in position, and meat hooks mounted adjustably upon the cross bar.

1,405,746. WAVE AND TIDAL MOTOR. GEORGE A. BONELLI, Kingman, Ariz. Filed July 20, 1920. Serial No. 397,728. 5 Claims. (Cl. 253—4.)



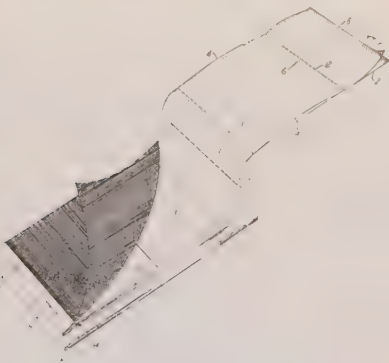
1. In a wave-and-tidal motor, a fixed anchorage in the ocean bed; a hull secured to said anchorage and having upward and downward movement in relation thereto and in unison with the tidal movements; a float secured to said hull and actuated by both wave and tidal movements; and mechanism for converting the power generated by the movements of said hull and float into continuous rotary movement.

1,405,747. INTERNAL-COMBUSTION ENGINE. JOHN THOMAS BOOTH, Birmingham, England. Filed July 23, 1918. Serial No. 246,403. 10 Claims. (Cl. 123—71.)



1. In an internal combustion engine of the two stroke cycle type, the combination of a cylinder containing a working piston with which is associated pumping means, a reciprocating hollow cylindrical valve disposed parallel to said cylinder having closed ends and forming two compartments, transverse ports in the periphery and intermediate the ends of said valve, and in the cylinder to control the admission of gas to the interior of the first compartment of the valve, the passage of the gas from the said first compartment of the valve to the pumping means; the passage of the gas from the said pumping means to the second compartment of the valve and the passage of the gas from the said second compartment of the valve, direct to the cylinder containing the working piston.

1,405,748. MANIFOLDING SALES BOOK. EDWARD KIRBY BOTTLE, Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada, a Corporation of Ontario, Canada. Filed Dec. 8, 1920. Serial No. 429,063. 10 Claims. (Cl. 282—9.)

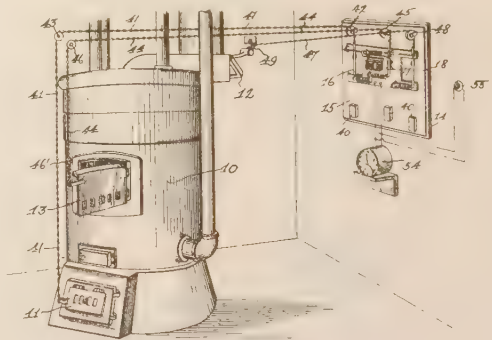


4. A manifolded sales book including, in combination, a pair of superposed sheets adhesively connected together at a plurality of areas spaced apart longitudinally of the sheets, said sheets being unconnected between adjacent areas, one of said sheets being a tissue sheet.

1,405,749. FURNACE DRAFT CONTROLLER. HUGH M. BROWNE, Washington, D. C., assignor of one-fifth to Alexander Taconelli, Washington, D. C. Filed Sept. 8, 1920. Serial No. 408,821. 5 Claims. (Cl. 101—8.)

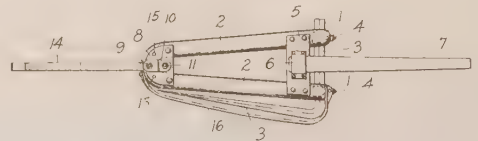
1. A furnace draft controller comprising a plurality of spring-actuated pivoted arms, means for connecting each of said arms to a separate furnace draft regulator, a detent for each of said arms for engaging and holding said arms against movement by their springs, a trip lever adapted to disengage a plurality of said detents and release a plurality of said pivoted arms, a second detent

engaging and holding said trip lever from disengaging one of said detents, and means for disengaging said second



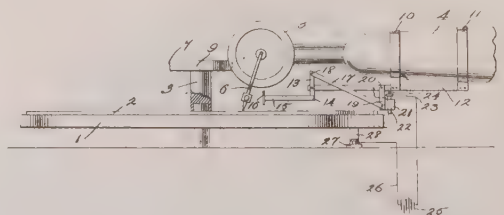
detent from said trip lever to disengage one of said detents and permit the pivoted arms to actuate and operate the separate draft regulators.

1,405,750. STONE RAKER. JOSEPH A. BROWNE, Portland, Ore. Filed July 18, 1921. Serial No. 485,612. 3 Claims. (Cl. 55—17.)



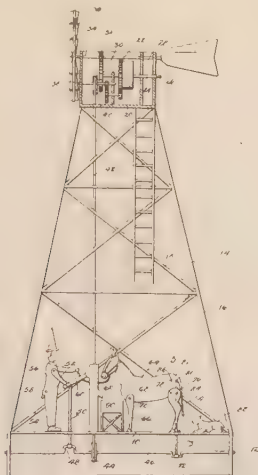
1. In a stone raker, the combination of a frame construction comprising a rear railing, and side railings at right angles to the rear railing, with a bottom between the railings, said bottom composed of a plurality of tines removably attached to the rear railing, and a bail secured to the front end of the side railings.

1,405,751. REPEATING ATTACHMENT FOR SOUND-REPRODUCING MACHINES. GEORGE L. BULLOCK, Louisville, Ky. Filed June 25, 1919. Serial No. 308,670. 5 Claims. (Cl. 274—15.)



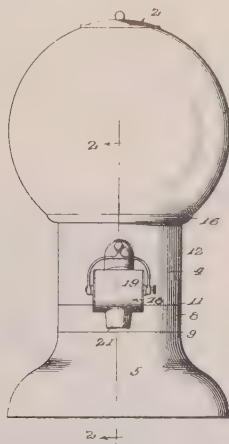
1. In a phonograph having a turntable, a tone arm, and sound box, a repeating attachment including a cam member carried by the turntable, lifting means carried by the tone arm for engagement with the sound box to lift the stylus out of engagement with a record after playing of the latter has been completed and return said stylus to its starting point, and electrical means for automatically establishing connection between the cam member and lifting means to provide for the operation of the latter.

1,405,752. TOY. LAWRENCE BURKE, Jr., -Rock Island, Ill. Filed Dec. 4, 1920. Serial No. 428,235. 2 Claims. (Cl. 46--40.)



1. A toy windmill comprising a base, a frame mounted thereon, a platform mounted on the frame, a spring motor carried by said platform, a wind wheel operated by said spring motor and constituting a governor, a plurality of figures mounted on said base, and means connecting said motor to said figures.

1,405,753. DISPENSING CONTAINER. RENO J. BUSH, Bloomsburg, Pa. Filed Apr. 1, 1920. Serial No. 370,613. 8 Claims. (Cl. 221-107.)

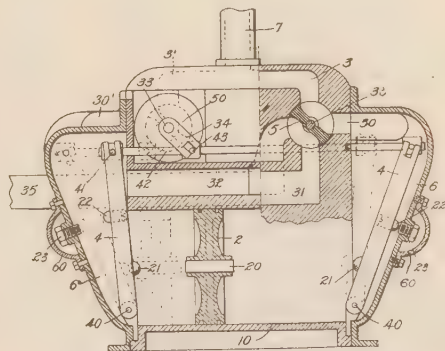


1. A dispensing container for commodities coated with a granular substance comprising a reservoir, a conveyor leading from the reservoir to a point of delivery, means for controlling discharge at the point of delivery, and means for separating excess granular substance from the commodities as they pass to the point of delivery.

1,405,754. MEASURING DEVICE. ENOS BENJAMINE CADE, Seattle, Wash. Filed May 8, 1919. Serial No. 295,166. 5 Claims. (Cl. 73-30.)

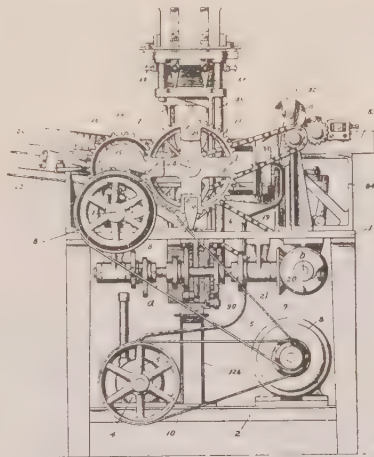
1. A liquid meter comprising two cylinders, a floating piston in each cylinder, a four-way valve and port system

for each cylinder, a lever pivoted at each end of each cylinder and adapted to be actuated by the pistons, and



means for operatively connecting the said levers of each cylinder with the valve of the other cylinder.

1,405,755. LABELING MACHINE. HAROLD CARLE, Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada, a Corporation of Ontario. Filed May 14, 1918. Serial No. 234,368. 28 Claims (Cl. 216-54.)

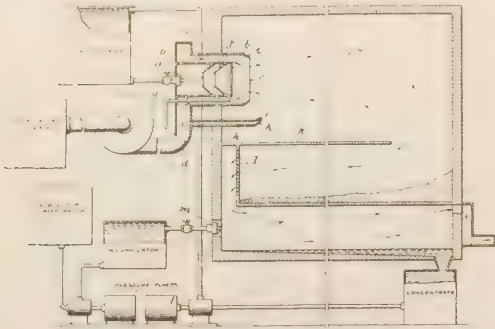


16. In an apparatus of the character described, in combination, a rotatable box carrier adapted to support a box and expose a surface thereof in a plane tangent to the circle of revolution of such surface, and a label gluing pad rotatable with the box, the gluing surface of said pad being tangent to the circle of revolution thereof and at the side of the position of the box.

1,405,756. EVAPORATING APPARATUS. OMA CARR, New York, N. Y., assignor to the Cardem Process Company, New York, N. Y., a Corporation of New York. Filed Sept. 12, 1916. Serial No. 119,745. 5 Claims. (Cl. 127-9.)

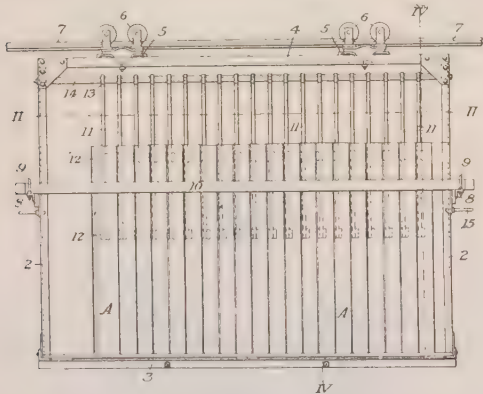
5. In a gas evaporator, the combination of a drying-chamber, an atomizer arranged to deliver atomized spray thereinto from a source of supply, means for supplying drying gas, and a spray trimmer surrounding the spray-

stream and adapted to remove the wide-angled particles from such stream, a trap-chamber to receive the collected



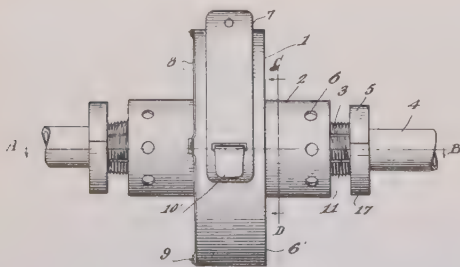
wide-angled particles from the trimmer, and means for conveying the trapped liquid back to the source.

1,405,757. CARRIER FOR GLASS ARTICLES. HENRY F. CLARK, Oakmont, Pa., assignor to Window Glass Machine Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Apr. 9, 1921. Serial No. 459,995. 4 Claims. (Cl. 105—150.)



1. A carrier for glass shawls, comprising a movable frame adapted to be suspended from and travel upon an overhead track, said frame having supporting means for a plurality of the shawls, and spacers or separators movably mounted on said frame and adapted to separate and space adjacent shawls, substantially as described.

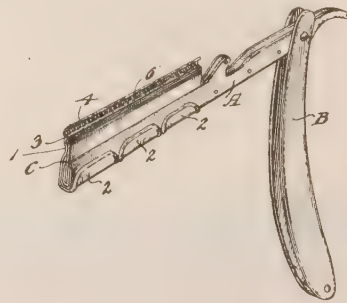
1,405,758. FOLDING DOOR AND SHUTTER. MANUEL BRETOS Y CLAYERIA, Santiago de Cuba, Cuba. Filed July 26, 1920. Serial No. 399,154. 2 Claims. (Cl. 189—58.)



1. Improvements in folding doors and shutters by means of which the door and shutter winding drum are formed by a hollow drum with a fixed bottom, and removable cover, there being inserted in said bottom and the removable cover bushing or sockets which constitute bearing

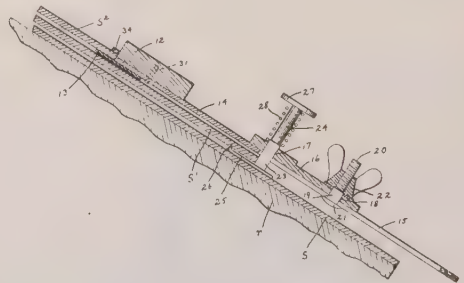
cases or bushes to enclose sets of ball bearings or frictional rollers around the axle box which makes a frictional adjustment in the shafts of the door; fastening devices for the bearings, such as holding washers; a claw arranged in the part of the axle box within the drum, wherein the end of the spring engages as is usually done in all drums; means to tighten this spring, such as peripheral perforations in the sockets or stocks; means for tightening the axle box on the axis, such as expansion grooves; threaded at their conical ends, threaded screw nuts with heads provided with notches in order to facilitate the operation of tightening, means to engage the door strap, such as clasps made from one side of the drum where the strap engages, substantially as herein described.

1,405,759. SAFETY-RAZOR GUARD. WALTER P. COLEMAN, Atlanta, Ga. Filed Oct. 21, 1920. Serial No. 418,388. 6 Claims. (Cl. 30—12.)



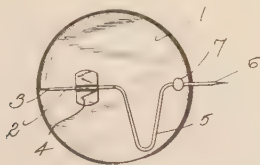
2. A new article of manufacture comprising a slip on guard attachment for razor blades having at one side gripping means for holding the attachment upon a razor in juxtaposed relation to its blade and at its other side spaced edges free from the first-mentioned side and engageable with the flesh, one substantially in advance of the blade edge and the other approximate the blade edge.

1,405,760. SHINGLING GAUGE. FRANCIS COLLINS and DAVID D. MACCORMACK, Boston, Mass. Filed June 17, 1921. Serial No. 478,282. 4 Claims. (Cl. 33—188.)



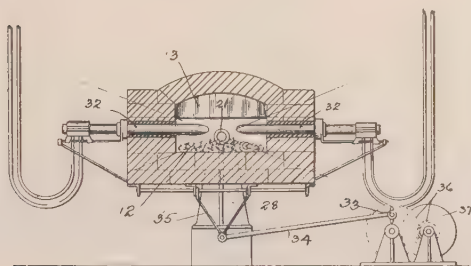
1. A shingling gauge comprising a straight edged bar, adapted to be located horizontally in a transversely inclined position on a roof; arms attached to and projecting from the lower edge of the bar and provided with clamps movable toward and from the under sides of said arms, and adapted to engage the under sides of shingles of a previously attached course; a thin flange strip attached to the bar and projecting from the higher edge thereof, said strip and the higher edge of the bar being adapted to position a higher course of shingles in a predetermined relation to the course with which the clamps are engaged, portions of said arms and flange strip being located under said bar and provided with orifices; and fasteners inserted in said orifices and separably and independently attaching the flange strip and arms to said bar, the flange strip being adapted to be coiled and confined for storage, when disconnected from said bar and arms.

- 1,405,761. PIN-FASTENING. LEONARD B. CORNELI, Spokane, Wash. Filed Sept. 13, 1921. Serial No. 500,339. 1 Claim. (Cl. 24—150.)



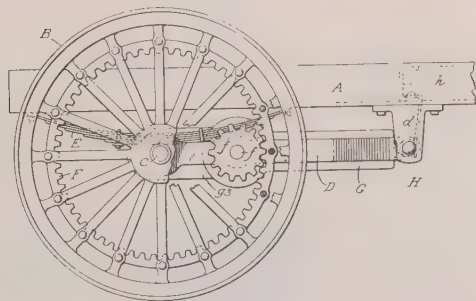
The combination with a button of a pin fastening rigidly joined thereto and comprising a straight pin portion at one side of the joint and an alined pin portion at the other side of said joint, a resilient bow formed in the second pin portion, and a head on said pin portion beyond the bow.

- 1,405,762. FURNACE. THOMAS STANLEY CURTIS, Providence, R. I., assignor to Universal Optical Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Dec. 13, 1919. Serial No. 344,545. 9 Claims. (Cl. 204—64.)



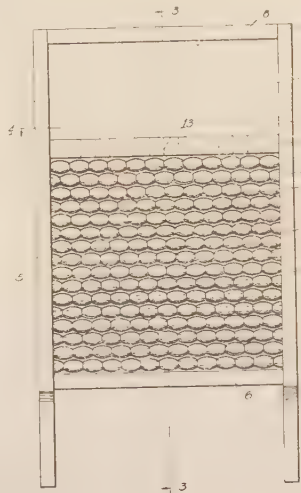
1. A furnace having means for passing the material to be treated continuously therethrough by transversely oscillating the mass of material therein, and means in the furnace for applying a high degree of heat to the traveling material.

- 1,405,763. MOTOR-PROPELLED VEHICLE. HENRY D. DARGERT, Buffalo, N. Y. Filed May 12, 1919. Serial No. 296,382. 11 Claims. (Cl. 180—73.)



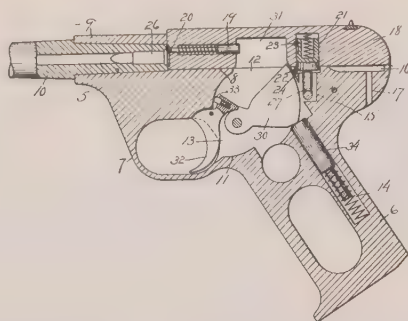
1. In a motor vehicle, the combination with a main frame, of a substantially rigid auxiliary frame having a hinged connection at one end thereof with said main frame and adapted to swing relatively to said main frame only about the axis of said hinged connection, a spring connection between the other end of said auxiliary frame and said main frame, driving wheels mounted on said auxiliary frame, and gearing on said wheels and on said auxiliary frame through which said wheels are driven, said hinged connection forming the only driving connection between said auxiliary and main frames, whereby all of the tractive efforts of said driving wheels are transmitted to said main frame through said hinged connection.

- 1,405,764. WASHBOARD. VICTOR M. DE CANO, Chicago, Ill., assignor to Raymond F. Starr, Chicago, Ill. Filed Feb. 13, 1920. Serial No. 358,369. 2 Claims. (Cl. 68—29.)



1. In a wash-board, the combination of a frame, a series of cross-rods mounted in the frame, and an extended series of short individually rotatable rollers mounted in close relation on each of the rods and provided with crowned peripheries.

- 1,405,765. PISTOL. LUCIUS N. DIEHM, West Hartford, Conn., assignor of one-half to Berkley C. Stone, Middletown, Conn. Filed Sept. 4, 1920. Serial No. 408,120. 7 Claims. (Cl. 42—20.)



1. A pistol comprising a frame having a hammer chamber formed in one side with a hammer opening from said chamber to the upper edge of the frame and an opening from said chamber into the trigger guard opening and also with a breech-bolt lock opening rearwardly of the hammer opening, and firing mechanism mounted on the frame and including a breech-bolt having a breech-bolt lock projecting into the breech-bolt lock opening.

- 1,405,766. GRAIN SEPARATOR. HIRAM DOWNING, Spokane, Wash. Filed May 19, 1919. Serial No. 298,175. 1 Claim. (Cl. 180—27.)

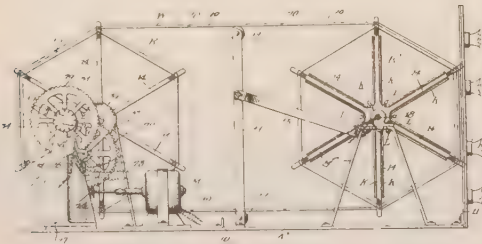
The combination with an open end housing comprising successive, communicating chambers and a beating cylinder in each chamber, of an oscillatable carrier and a blower fan for directing an air blast between the housing and carrier, a vibrating shoe comprising a plurality of screens of various sizes beneath the carrier, said screen

being arranged in vertical alinement, a conveyer intermediate of the shoe for disposing of the tailings, a conveyer



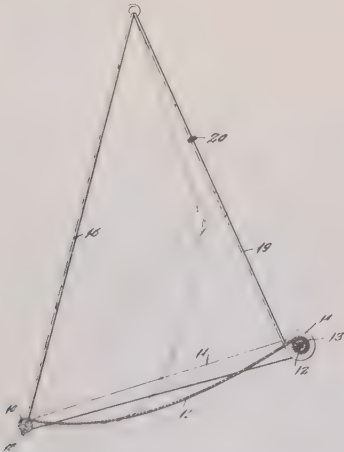
at the forward end of the shoe for disposing of the grain, and a blower fan for said screens.

1,405,767. CHANGEABLE EXHIBITOR. THOMAS LARIMORE EASLEY, San Antonio, Tex., assignor of one-half to William Nagel, San Antonio, Tex. Filed Sept. 25, 1919. Serial No. 326,139. 3 Claims. (Cl. 40—52.)



1. In combination, a changeable exhibitor including a plurality of signs adapted to be successively displayed for predetermined intervals, a group of lamps in the rear of the signs when in displayed position, a second group of lamps exteriorly of the signs, a source of current having a circuit adapted to include both groups of lamps, and a circuit controller comprising, a pivoted lever, a contact arranged below the lever and connected to one group of lamps, a second contact above the lever and connected to the other group of lamps, a spring for biasing the lever into engagement with one contact, and thermostatic means for moving said lever against the action of said spring into engagement with the other contact.

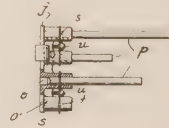
1,405,768. CONVERTIBLE BODY SUPPORT. SVEN A. EKEHORN, Milwaukee, Wis., assignor of one-half to Daniel B. Swartz, Milwaukee, Wis. Filed May 17, 1921. Serial No. 470,429. 1 Claim. (Cl. 155—67.)



A combination hammock and chair comprising an elongated frame, a fixed flexible element supporting the for-

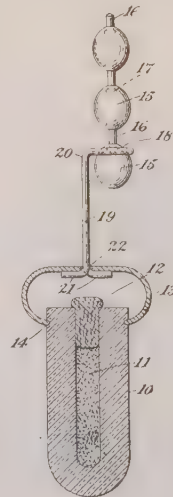
ward end of said frame, a roller carried at the rear of said frame, a second flexible element supporting the rear end of said frame and having its opposite ends secured to said roller, and a flexible body support extending longitudinally of said frame and secured at one end to front end thereof and having its other end secured to said roller, said roller being adapted to be rotated for the simultaneous winding and unwinding of the connected portions of the second flexible element and the flexible body support correspondingly with the shifting of the weight of the body of a person on said body in movements to and from sitting or reclining positions thereon.

1,405,769. PATTERN MECHANISM FOR MACHINES FOR KNITTING LACEWORK. JOHN EPPLER, Philadelphia, Pa. Original application filed June 13, 1918, Serial No. 239,746. Divided and this application filed May 3, 1919. Serial No. 294,503. 1 Claim. (Cl. 66—33.)



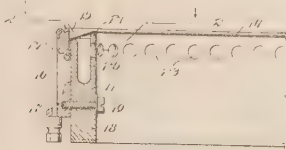
A pattern chain for a lace knitting machine having a plurality of links pivoted to each other, some of the links having a plurality of projections extending from one face thereof, there being a pin receiving socket in each projection, a transverse slot in each projection extending into the socket, pattern pins adapted to be inserted into said sockets, each having a slot arranged to register with a slot in a socket, a spring seat between two adjacent projections, and a spring engaging said seat and having oppositely disposed legs seated in the slots in adjacent projections and adapted to seat in the slots in the pins to lock the pins in their respective sockets.

1,405,770. SELF-LUMINOUS CHAIN PENDANT. REINER W. ELDLE, Weehawken, N. J., assignor to The Cold Light Manufacturing Company, a Corporation of Colorado. Filed May 16, 1918. Serial No. 234,847. 1 Claim. (Cl. 240—1.)



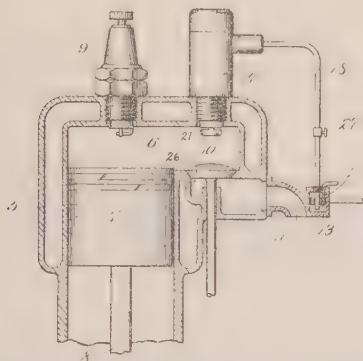
A device of the class described, comprising a self-luminous pendant, a hollow shell fixed to the same and an attaching wire bent to form a lower loop and an upper and smaller loop and having its extremities inserted in said shell and turned in opposite directions, said extremities and lower loop being made to grip the shell so as to prevent rocking movement thereof.

- 1,405,771. BANJO. JOHN FAVILLA, New York, N. Y. Filed Jan. 15, 1921. Serial No. 437,385. 2 Claims. (Cl. 84—270.)



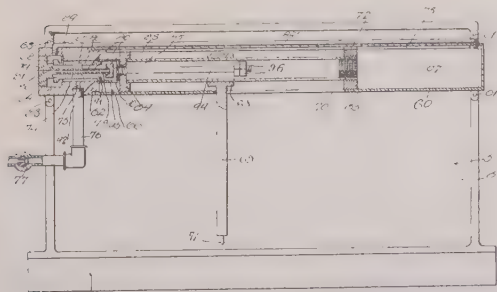
2. A banjo, provided with a one-piece all wood rim having an annular groove in its head-engaging edge to form an inner and an outer disposed rib, said inner rib provided with a plurality of apertures spaced from the edge of said inner rib and acting to place the annular groove in sound communication with the interior of the instrument and a head extending across the wood rim and covering the groove.

- 1,405,772. INTERNAL-COMBUSTION ENGINE AND ATTACHMENT THEREFOR. BERNARD M. FINE, East Orange, N. J. Filed Nov. 25, 1919. Serial No. 340,476. 14 Claims. (Cl. 123—31.)



1. A fuel inlet valve for internal combustion engines comprising a plug provided with a liquid passage and a valve seat at the end of said passage, a valve for co-operation with said seat provided with a stem operating in the liquid passage and with a vaporizing cup at the end of said stem and in line with the liquid passage and a fuel supply connection to said plug.

- 1,405,773. WINDSHIELD-CLEANING APPARATUS. WILLIAM M. FOLBERTH, Cleveland, Ohio, assignor to The Folberth Auto Specialty Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 25, 1919. Serial No. 273,143. 9 Claims. (Cl. 15—253.)

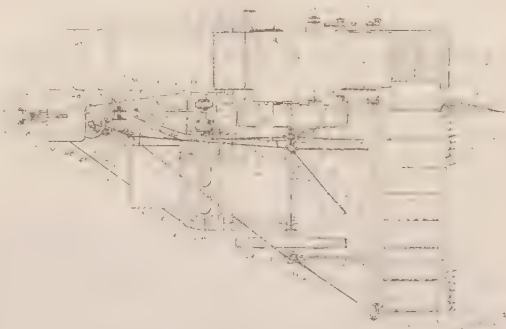


4. A windshield cleaner, comprising a tube, a piston arranged therein, a cleaner element operably connected with the piston, means connecting said tube with a source of suction, and valve mechanism arranged in said tube near said connecting means, said valve mechanism being adapted

to alternately establish communication between said connecting means and opposite ends of said tube.

6. In windshield cleaning apparatus for a motor vehicle having an internal combustion engine as its propelling means, cylinders arranged in end to end relation, pistons mounted to reciprocate therein, a member connecting the pistons, a cleaner element operatively connected with said member, an imperforate conduit connecting said cylinders to the intake manifold of the engine whereby air is drawn through said cylinders to operate said pistons and then delivered to the engine without interfering with the normal operation of the engine, and means operated by the movement of the pistons to alternately place the conduit in communication with the cylinders and the cylinders in communication with the atmosphere.

- 1,405,774. SELF-PROPELLED HEADING AND THRASHING HARVESTER. JOSÉ FRIC, Pigüé, Buenos Aires, Argentina. Filed Oct. 18, 1918. Serial No. 258,728. 9 Claims. (Cl. 56—20.)



1. A self-propelled three-wheeled heading and thrashing machine comprising a main frame having a steering wheel at its rear end, an axle extending transversely across its front end a driving wheel mounted on the central portion of the axle, a supporting wheel mounted on one of the axles, a portion of the main frame being mounted on the other end of said axle, a thrashing mechanism frame extending longitudinally of the frame and located on the side of the frame opposite that having the supporting wheel, a motor mounted on the side of the frame having the supporting wheel and counter-balancing the weight of the thrashing mechanism, a movable frame pivotally mounted on the axle between the driving wheel and the end of the axle which carries the supporting wheel, a heading mechanism supported by the movable frame, mechanism operatively connecting the motor with the thrashing mechanism, heading mechanism and driving wheel, and means for adjusting the movable frame about said axle.

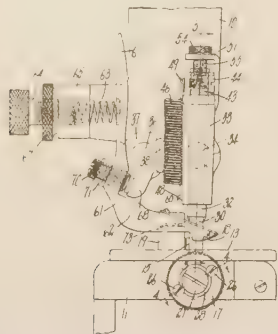
- 1,405,775. APPARATUS FOR PRESERVING PERISHABLE PRODUCTS. GOTTFRIED L. A. FRIEDRICHS, New York, N. Y. Filed Jan. 8, 1921. Serial No. 435,875. 3 Claims. (Cl. 99—2.)



1. An apparatus for preserving perishable products, comprising a cylinder having perforations in its wall and having closed ends with an inlet in one end for receiving preservative gas from a regulated source of supply, and an annular body of carbonaceous material on the body overlying its perforations, said carbonaceous material being

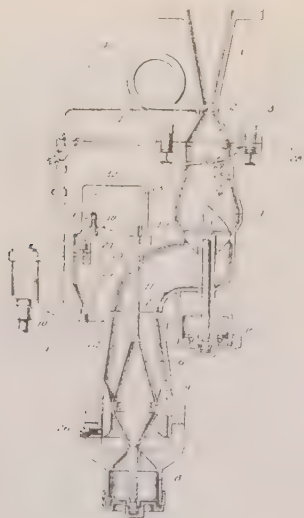
of porous texture adapted to dissipate and retard the flow of gas from the perforations of the cylinder so that the gas will be distributed in molecular form in the area surrounding the products.

1,405,776. FOLDING MACHINE. JOHN GLENDON, Malden, Mass. Filed Sept. 3, 1920. Serial No. 407,975. 20 Claims. (Cl. 12—55.)



1. A folding machine having, in combination, a work-support, fold-turning means, fold-pressing means and rotatable means for impressing a design upon the outer surface of the material being folded.

1,405,777. CARBURETING APPARATUS. JOHN GOOD, Brooklyn, N. Y., assignor to Good Inventions Co., Brooklyn, N. Y., a Corporation of New York. Filed Apr. 27, 1916. Serial No. 93,883, 14 Claims. (Cl. 261—50.)

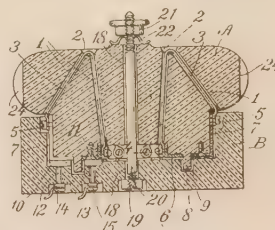


6. Carbureting apparatus provided with an air entrance and a mixing chamber, an air passage conducting air from said air entrance to said chamber, a liquid passage adapted to conduct all of the fuel and also to conduct some air from within said air passage to said chamber, and means within said air passage and sustained by the flow of air through said entrance for controlling the rate of fuel supply to the liquid passage.

1,405,778. REFILLABLE MULTIPLE FUSE. OTTO GRAVENHORST and LUIS HÖLLRIGL, Buenos Aires, Argentina. Filed Dec. 29, 1919. Serial No. 348,216. 2 Claims. (Cl. 200—125.)

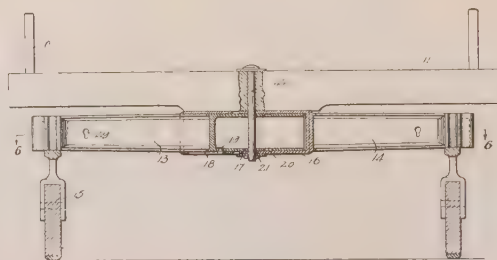
2. In an electro-protective device of the refillable multiple fuse type, in combination, a circular chambered base having an annular groove in the bottom of its chamber, a channelled fuse-holding magazine-cover having a cylindrical

body portion adapted to extend into the chamber of the base; an annular lug upon said body portion of the cover adapted to register with said annular groove; an axial spindle extending through the base and cover about which the cover may be rotated; a pair of radially disposed contact plates upon said base, separated by the annular groove therein and extending above the bottom of its chamber; a plurality of fuses disposed in the channels of said magazine-cover; pairs of radially disposed terminal



plates associated with each fuse mounted on the body-portion of said cover, each pair being mutually separated by the annular lug upon said body portion, and having a downwardly projecting tongue adapted successively to engage the contact plates upon the base upon rotation of the cover, such engagement causing a vertical movement of the cover relatively to the base as the tongues upon the fuse terminal plates ride over the contact plates upon the base, and means comprising a spring upon said spindle adapted to hold the plates in intimate contact.

1,405,779. SLEIGH. EDWIN ARCHER HALSETH, Clearbrook, Minn., assignor of one-fourth to Edd Boe, Clearbrook, Minn., and one-fourth to Otto Louis Halseth, Bagley, Minn. Filed Oct. 12, 1920. Serial No. 416,396. 2 Claims. (Cl. 280—34.)

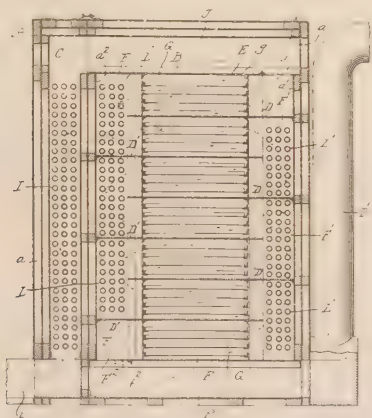


1. A sleigh including pairs of runners, a beam including a pair of half sections, the inner ends of said sections being formed to provide a socket and projecting portion adapted to extend in said socket respectively, the outer ends of said beams being connected one to each of said runners, said socket and projecting portion being formed with openings adapted to be brought into alignment one with each other, the beam pin of said sleigh being adapted to extend through said openings for retaining the whole in applied position and acting as a swivel for said beam.

1,405,780. APPARATUS FOR EVAPORATING MOISTURE-CONTAINING MATERIALS. GORDON DON HARRIS, Islip, N. Y., assignor to National Evaporator Corporation, New York, N. Y., a Corporation of Nevada. Filed Dec. 26, 1917. Serial No. 208,784. Renewed Apr. 25, 1921. Serial No. 464,256. 26 Claims. (Cl. 34—39.)

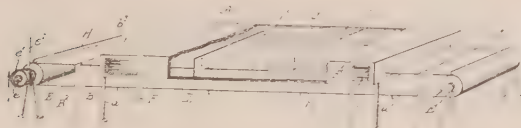
1. An apparatus for evaporating moisture-containing materials comprising a main chamber, division walls positioned within said chamber for sub-dividing the latter into a plurality of compartments, means for circulating a gaseous drying medium, a plurality of material supporting devices within each compartment, said division walls being positioned for directing the gaseous drying medium through the successive compartments and into contact with the masses of material with said compartments, and a plu-

rality of boosters positioned in the line of flow of the gaseous drying medium and adjacent the material-support-



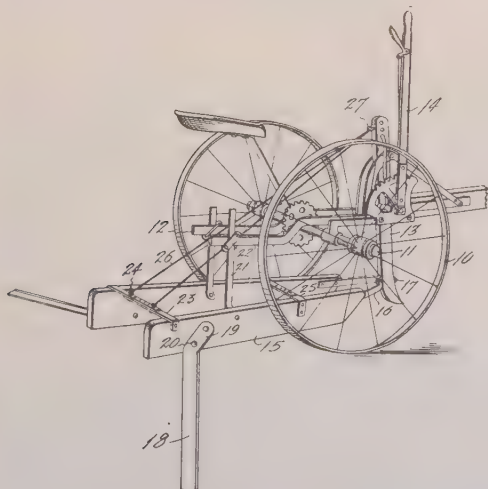
ing devices whereby said drying medium flows into contact alternately with the masses of material and the boosters.

1,405,781. CONVEYER DRYING APPARATUS. GORDON DON HARRIS, Freeport, N. Y., assignor to National Evaporator Corporation, New York, N. Y., a Corporation of Nevada. Filed Apr. 20, 1918, Serial No. 229,803. Renewed Feb. 2, 1920. Serial No. 355,701. 25 Claims. (Cl. 34—12.)



1. In a drying apparatus, the combination with a drying chamber, and a conveyer operable therein, of means for circulating a drying agent, and means for directing the flow of said drying agent in a path transversely to the direction of movement of said conveyer, said directing means being supported within the chamber independently of the conveyer.

1,405,782. STALK-CUTTER ATTACHMENT. JACK M. HAYNES, Frost, Tex. Filed May 2, 1921. Serial No. 466,159. 2 Claims. (Cl. 55—60.)



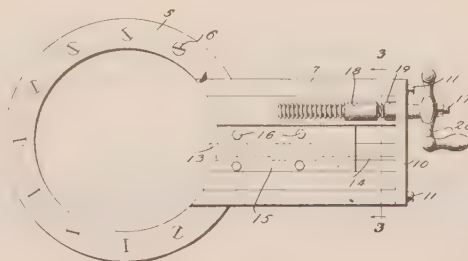
1. In a stalk cutter attachment for a wheeled frame, a pair of spaced runners, a yoke at the front end of the runners for attachment to a standard of the frame, hanger

bars extending upwardly from the runners, means for attaching the hanger bars to the beams of the frame, an auxiliary support extending from the rear portion of the runners and adapted to be attached to the upper end of a standard, and diverging cutter blades carried at the rear ends of the runners.

1,405,783. PROCESS OF PREVENTING THE DEPOSITION OF SCALE OR SLUDGE FROM THE COOLING WATER IN SURFACE STEAM CONDENSERS. AUGUST HOLLE, Düsseldorf, Germany, assignor to Maschinenbau-Aktien-Gesellschaft Balcke, Bochum, Germany. Filed May 28, 1919. Serial No. 300,489. 1 Claim. (Cl. 87—27.)

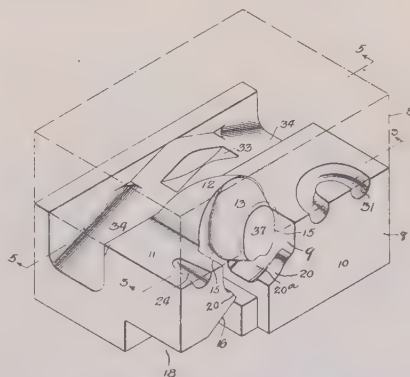
A process of keeping a surface condenser free from scale and sludge, which comprises adding to the cooling water, a free acid which is capable of converting the carbonates and sulfates of a scale-producing nature into easily soluble salts, such acid being added in amount sufficient to convert the scale-producing substances into readily soluble salts without leaving any injurious excess of acid, and feeding such water to a surface condenser.

1,405,784. ATTACHMENT FOR PIPE MACHINES. LAURENCE POWELL HUFSTEDLER, Tulsa, Okla. Filed July 9, 1920. Serial No. 394,881. 1 Claim. (Cl. 81—190.)



In a machine of the class described, the combination with a pipe receiving member, of a guide secured thereto and having a groove opening out through opposite ends of the guide, a carriage fitted within said groove and having its outer face provided with a groove, a cutter arranged in the groove of said carriage, an elongated plate flatly secured to the outer face of said carriage and engaging said cutter to hold the same in position, a second plate flatly secured to the outer end of said guide for closing the adjacent end of said first named groove, and means extending through said second named plate and engaged with said carriage for moving the same longitudinally, and a metal plate confined between the lower end of said cutter and the adjacent wall of said second named groove.

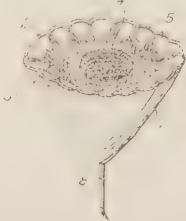
1,405,785. CHAIN-LINK-FORMING DEVICE. JOSEPH JOHNSON, Lebanon, Pa. Filed Apr. 13, 1920. Serial No. 373,519. 5 Claims. (Cl. 50—22.)



1. A link forming device including a base die section having a cavity and a flange spaced forward of the interior

of the cavity to form an undercut groove, and a projection extending into said cavity; and a top die section including a curved groove whereby, when a U-shape link-forming member is seated in the groove of said cavity with its leg portions projecting upwardly therefrom and embracing said projection, said groove portion of said top die section will serve to bend said leg portions in overlapped positions around said projection upon movement of said top die section toward the base die section; substantially as described.

1,405,786. DECORATIVE PLANT PRODUCT. RICHARD LLOYD JOHNSTON and JOHN S. WALLNER, Chicago, Ill., assignors to Bergman-Koropp & Co., Inc., Chicago, Ill., a Corporation of Illinois. Filed May 26, 1921. Serial No. 472,774. 5 Claims. (Cl. 41—13.)



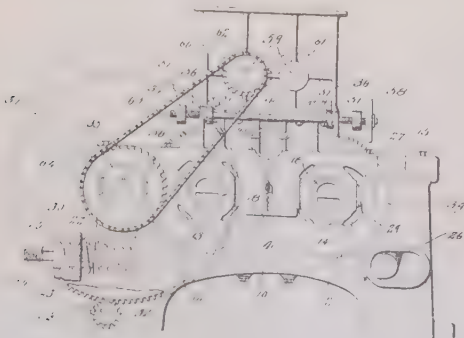
1. An article of manufacture comprising a seed pod of natural growth having portions thereof cut away to produce a certain predetermined ornamental appearance, said pod being decorated artificially.

1,405,787. GOGGLES. FREDERICK W. KING, New York, N. Y., assignor to Julius King Optical Company, a Corporation of New York. Filed Nov. 1, 1919. Serial No. 335,117. 3 Claims. (Cl. 2—149.)



1. For goggles or the like, a substantially cylindrical eye cup composed of sheet metal and provided circumferentially with ventilating openings, the upper inside quadrant being imperforate, and a semi-circular shield member pivoted substantially in the vertical diametrical axis of the eye cup and adapted to cover the openings in the outer half thereof.

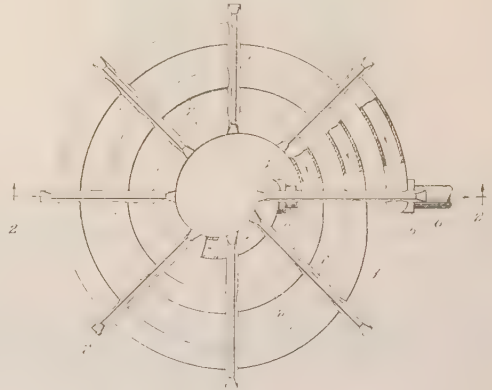
1,405,788. BRIQUET MACHINE. GUSTAV KOMAREK, Chicago, Ill., assignor, by mesne assignments, to Malcolmson Engineering and Machine Corporation, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 21, 1920. Serial No. 404,979. 26 Claims. (Cl. 25—77.)



1. In a briquet machine, a frame, strain resisting members arranged on top of the side members of said frame.

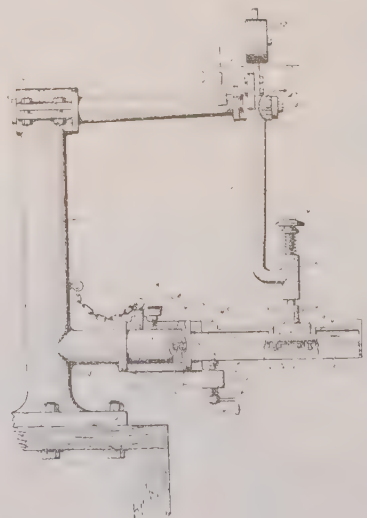
pairs of journal boxes arranged between said frame and strain resisting members, one pair of said journal boxes being arranged to move toward and away from the other pair, briquet forming rolls journaled in said boxes, levers fulcrumed on said strain resisting members for resisting the movement of the movable pair of journal boxes away from the other pair, and yielding pressure means for resisting the swinging movement of said levers.

1,405,789. WATER HEATER. LOUIS G. LIPPMAN, Yonkers, N. Y., and FREDERICK E. DIXON, Scotch Plains, N. J. Filed June 5, 1920. Serial No. 386,915. 4 Claims. (Cl. 126—53.)



2. An integral water heater and grate for stoves comprising a hollow chamber of eccentric spiral form adapted to receive cold water to be heated from below and having a series of spider arms placed across the spiral and integral with the upper walls thereof forming a rest for articles placed on the grate.

1,405,790. KNIFE-SETTING MACHINE. NELSON A. LOCKWOOD, Ogden, Utah. Filed Feb. 11, 1921. Serial No. 444,248. 13 Claims. (Cl. 29—84.)



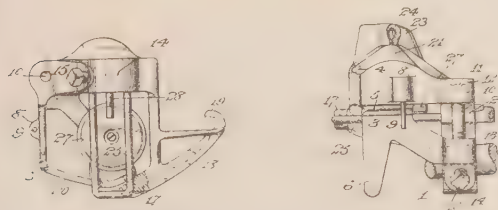
1. In knife setting machines of the character disclosed, the combination with a knife block support for removably holding, in substantially horizontal disposition, a knife block that mounts endwise paired cossette slicing knives, of mechanical centering means adapted to span the abutting ends of said knives, when so disposed, and radially operable to engage and adjust said knives in an endwise direction relatively to each other, substantially as described.

1,405,791. PENCIL LEAD. LEWIS W. MCCANDLESS, Chicago, Ill. Filed Apr. 12, 1920. Serial No. 373,078. 2 Claims. (Cl. 120—83.)



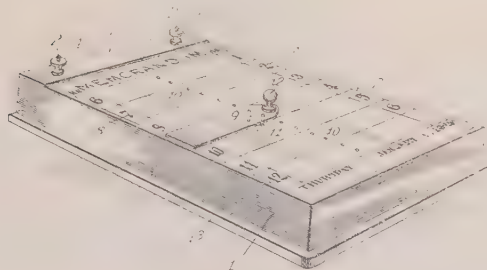
2. A pencil lead having a plurality of intersecting spiral grooves formed in the surface thereof, thereby providing a plurality of substantially diamond-shaped projections which successively present sharp edges and corners at the end of the lead for serving as points for writing purposes.

1,405,792. DEVICE FOR GUIDING, CLEARING, AND TENSIONING YARN. JOHN O. MCKEAN, Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a Corporation of Massachusetts. Filed Mar. 11, 1921. Serial No. 451,485. 21 Claims. (Cl. 28—20.)



1. In a tension device, a bracket, a reversible fixed yarn support carried thereby, a freely rotatable gravity operated disc arranged to coact with said yarn support, and means for leading the yarn horizontally across said support.

1,405,793. HOUR-GUIDE CALENDAR. EDMUND MARSHALL, Detroit, Mich. Filed Feb. 24, 1919. Serial No. 278,608. 2 Claims. (Cl. 116—136.)

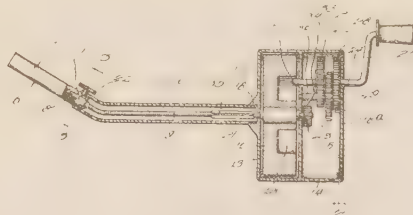


1. In a device of the character described including a plurality of superposed sheets forming a pad from which the sheets may be successively torn and each sheet lined to provide memorandum spaces, a member of thin flat material and of a size corresponding to the area of a memorandum space adapted to be applied directly to and lie flat upon the top sheet of the pad to cover any one of said spaces, and means to directly engage the leaves of the pad and detachably hold said member in place over any one of the spaces to which it may be applied.

1,405,794. SAFETY-RAZOR MOTOR AND THE LIKE. CHARLES I. MATSON, Chicago, Ill. Filed Aug. 14, 1920. Serial No. 403,522. 3 Claims. (Cl. 185—27.)

1. A momentum motor for the purpose specified comprising in combination a cylindrical member, a central partition dividing the interior thereof into two cylindrical chambers, a fly wheel journaled within one chamber and having its shaft projecting through the partition into the other chamber, a pinion on the projecting end of said shaft, a driving extension on the other end of said

shaft, there being an annular recess in that side of the fly wheel adjacent the partition, a crank shaft journaled in the partition and the other end of the cylindrical member, said crank shaft being free to move axially of its length, and the inner end of the crank shaft being accommodated within the recess of the fly wheel, a main gear secured to the crank shaft adjacent the end wall of the chamber, a pinion and gear rotatably mounted on the crank shaft adjacent the said main gear, a spring secured to the partition and working against the pinion and



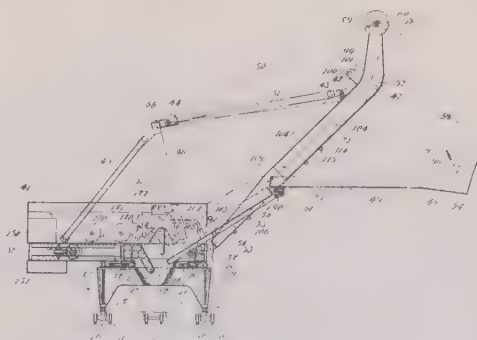
gear aforesaid and tending to move the crank shaft outwardly, and another pinion and gear working in conjunction with the first mentioned gear and the pinion aforesaid, for the purpose of multiplying speed of the pinion and gear, whereby when the crank shaft is forced inwardly against the pressure of the spring the gear of the pinion and gear is caused to mesh with the pinion of the fly wheel, and whereby when pressure on the crank shaft is released all of the gearing is disengaged from the fly wheel pinion, substantially as described.

1,405,795. WRENCH. LUDWIG F. MEYER, Cleveland, Ohio. Filed Sept. 8, 1921. Serial No. 499,151. 2 Claims. (Cl. 81—60.)



1. A wrench comprising a collar provided with a handle, the inside of the collar having a series of annular ribs, a series of wedges within the collar having grooves receiving said ribs, and a cylindrical head having external inclines against which the inner surface of the wedges rest.

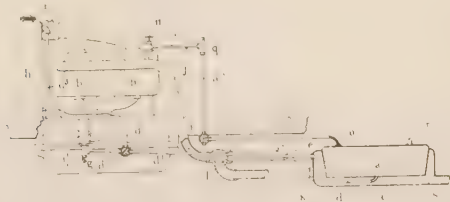
1,405,796. EXCAVATING MACHINERY. BRUCE A. MIDDEMISS, Chuququi Camata, Chile, assignor to Chile Exploration Company, New York, N. Y., a Corporation of New York. Filed May 10, 1920. Serial No. 380,066. 16 Claims. (Cl. 214—135.)



1. In an excavator, a body, a turn table carried thereby, a hopper, a boom, backlegs therefor, connections

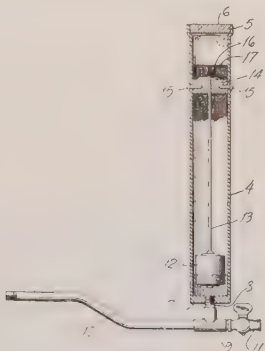
therebetween, a chute carried by said boom and directing its contents to the above named hopper, a dipper handle mounted in said boom and on the boom and relatively fixed with respect to the boom for moving said handle with respect to said means and the boom, a chute carried by said handle and discharging its contents into the chute carried by the boom, a dipper on said handle manipulated by connections with said boom and loading and discharging into the chute in the handle.

1,405,797. DEVICE FOR THE PROTECTION OF THE COOLING MEANS OF EXPLOSION MOTORS AGAINST THE EFFECTS OF FROST. EDOUARD ELIE MOLAS, Paris, France. Filed Mar. 25, 1918. Serial No. 224,630. 3 Claims. (Cl. 123—174.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A device for the protection of the cooling means of explosion motors against the effects of frost, comprising a vessel and a three way cock allowing to put this vessel into communication with the atmosphere for the discharge of the air it contains or to establish a communication from the motor to the vessel in order to send a portion of the exhaust gases into the said vessel for forcing back the water from the latter into the radiator.

1,405,798. LIQUID GAUGE. JOHN ALEXANDER ORR, Chicago, Ill. Filed May 5, 1921. Serial No. 467,170. 2 Claims. (Cl. 116—118.)

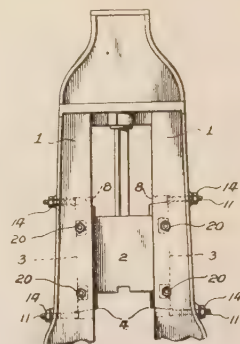


1. In a liquid gauge, a cylinder having a perforated base, a window forming a closure for the upper end of said cylinder, a perforated partition in said cylinder, a float in said cylinder, a stem for said float extending through the perforation in said partition, a head for said stem disposed between said partition and window, the inner wall surface of said cylinder being provided with a visual signal operative as said head moves into proximity to said partition, and a liquid supply pipe communicating with the perforated portion of said cylinder.

1,405,799. ADJUSTABLE GUIDE FOR HAMMERS. STEPHEN PAUL, Lansing, Mich. Filed Oct. 4, 1920. Serial No. 414,412. 4 Claims. (Cl. 78—37.)

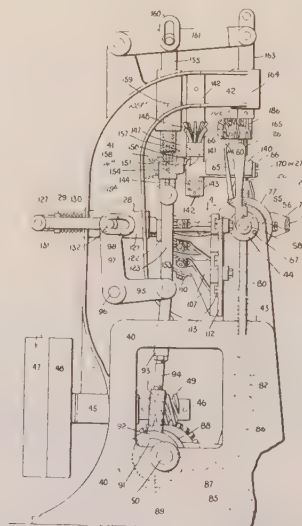
1. In a forging machine, a frame having a recess and openings communicating with the ends of said recess, a

guide in said recess and having beveled ends, and adjusting members in the ends of said recess clamping the



beveled ends of said guide in said recess and operatable through the openings of said frame.

1,405,800. SHOE-HEEL-PREPARING MACHINE. ANGELO PERRI, Watertown, Mass., assignor to Reece Shoe Machinery Company, Boston, Mass., a Corporation of Maine. Filed Nov. 11, 1918. Serial No. 262,104. 24 Claims. (Cl. 1—33.)

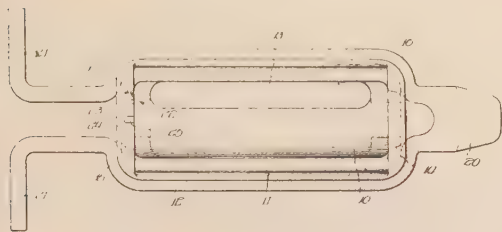


1. A shoe heel preparing machine comprising a revolvable carrier adapted to hold and advance a succession of heels with the heel tops facing outwardly, and a succession of mechanisms located outside of the carrier, each adapted to operate inwardly against the top sides of the heels, including, at one station, a compressing and shaping member and means for actuating it, and at a subsequent station a piercing mechanism and means for actuating it, and at a subsequent station a mechanism for driving nails into the pierced holes but not entirely through the heel.

7. A shoe heel piercing mechanism comprising a gang of awls, a series of separate sliding awl carriers, separate and adjustable slideways for the respective carriers, and means for actuating all the carriers in one operation.

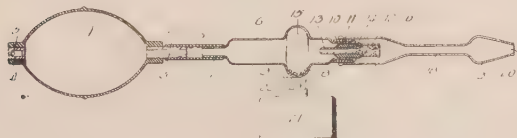
8. A shoe heel piercing mechanism comprising a gang of awls, a series of separate awl carriers, separate guide means for the carriers, and means for actuating all the carriers in one operation, each of said awls comprising a longitudinal piercing portion, and a laterally extending shank mounted rigidly on its carrier.

1,405,801. REVERSIBLE FULCRUM AND METHOD OF MAKING SAME. ARMAND H. PEYCKE, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Mar. 20, 1920. Serial No. 367,369. 8 Claims. (Cl. 29—164.)



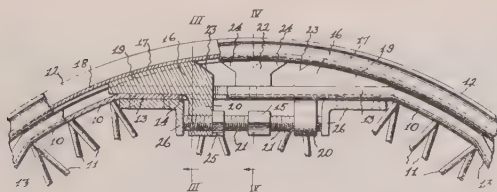
1. A reversible fulcrum, comprising a lever supporting member, an intermediate support in which said member is rotatably mounted, and a strut formed around said intermediate support.

1,405,802. FUME GENERATOR. RICHARD A. PHELAN and HAROLD A. WEGUELIN, St. Louis, Mo. Filed Dec. 13, 1919. Serial No. 344,576. 1 Claim. (Cl. 128—192.)



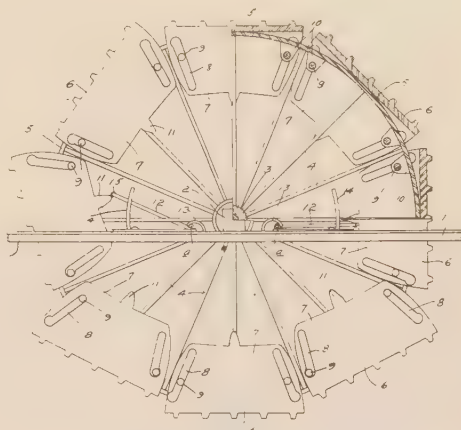
In combination, a transparent generator tube having an enlarged body portion to hold crystals to be generated into fumes by applying heat to the generator tube, a transparent tubular member mounted in one end of the generator tube and extending into the generating chamber thereof, filtering means carried by the transparent tubular member, a transparent tubular nozzle having a discharge opening in one end, said nozzle having connection at one end with one end of said generator tube and a rubber air bulb having connection with the opposite end of said generator tube for discharging the generated fumes by compressing the bulb with the fingers.

1,405,803. DEMOUNTABLE RIM. GEORGE RISCHMULLER, San Francisco, Calif. Filed Oct. 11, 1919. Serial No. 329,949. 2 Claims. (Cl. 301—11.)



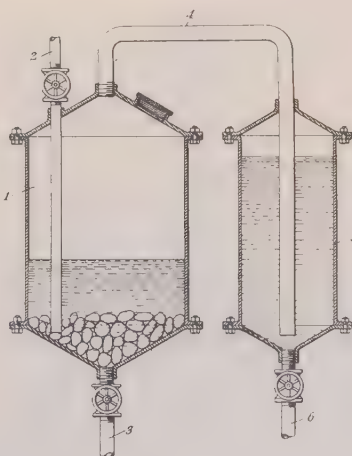
1. In a device of the character described including a wheel having a fixed rim, a demountable rim having a circumferential bead forming an inner circular depression therefor, locking wedges having longitudinal ridges and mounted substantially tangentially to the circumference of the fixed rim and movable in a direction in the plane of the wheel and so constructed, arranged and adapted to engage said demountable rim to hold the same from creeping around the fixed rim in the plane of the wheel and also against lateral movement in a direction transverse to the plane of the wheel by the seating of said ridges in the circular depression of the demountable rim.

1,405,804. TRACTOR WHEEL. ELMER S. SALYARDS, Rock Island, Ill. Filed Apr. 16, 1920. Serial No. 374,363. 1 Claim. (Cl. 305—13.)



A device of the class described, comprising a wheel, provided with a continuous rim; tread sections arranged at regular intervals on said rim, so as to be permitted a rocking adjustment with relation thereto, and having inwardly projecting flanges each provided with inwardly converging slots; pins carried on the inner face of said rim in engagement with said slots; lugs on the inner edges of said flanges; and spring-controlled trips mounted in the path of said lugs, and adapted to rock said tread sections into a desired operating position.

1,405,805. PROCESS OF PRODUCING LIQUID FUELS. WALTER T. SCHREIBER, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Jan. 31, 1918. Serial No. 214,753. 5 Claims. (Cl. 44—9.)

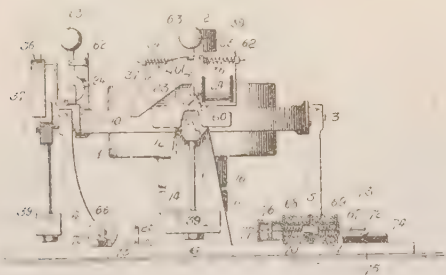


1. The process which comprises dehydrating ethyl alcohol with a carbide, then collecting the evolved gaseous hydrocarbon in a quantity of gasolene and kerosene, and adding the alcohol to the gasolene and kerosene containing the absorbed hydrocarbon.

1,405,806. PROCESS OF PRODUCING LIQUID FUEL. WALTER THILO SCHREIBER, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Original application filed Jan. 31, 1918, Serial No. 214,753. Divided and this application filed May 28, 1921. Serial No. 473,498. 5 Claims. (Cl. 44—9.)

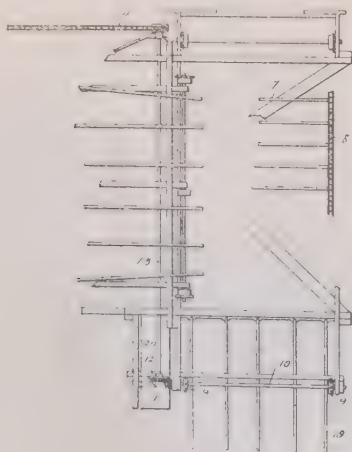
1. The process of making a fuel comprising forming a composition consisting of aqueous alcohol, a light hydrocarbon resulting from petroleum distillation, and a heavier hydrocarbon, adding to this composition calcium carbide to dehydrate it, and allowing the acetylene formed to dissolve therein, whereby a suitable composition is formed which will not separate into its constituents at low temperatures.

1,405,807. DAMPING MEANS FOR GYROSCOPES. HARRY L. TANNER, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Dec. 4, 1919. Serial No. 342,460. 13 Claims. (Cl. 74—78.)



1. The combination with a gyroscope, of means for damping the oscillations thereof about a horizontal axis, and means responsive to inclination of the gyroscope about said axis for causing operation of said damping means out of the phase with said inclination.

1,405,808. ATTACHMENT FOR HAY LOADERS. JOHN G. TAYLOR and HIRAM STOKER, Lovelock, Nev. Filed July 20, 1920. Serial No. 397,733. 3 Claims. (Cl. 198—108.)



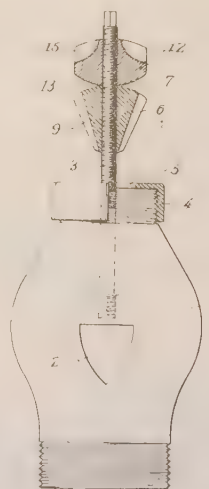
1. A hay loader comprising a portable frame, an inclined conveyor supported thereon and acting longitudinally of the frame, a transversely acting conveyor disposed beneath the discharge end of the first named conveyor, a plurality of laterally projecting fingers extending in the general direction of the movement of the trans-

versely acting conveyor and projecting beyond the discharge end of the transversely acting conveyor and lying in a substantially horizontal plane and projecting beyond the line of travel of the hay loader.

1,405,809. LIQUID FUEL. MILTON C. WHITAKER, New York, N. Y., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Nov. 22, 1917. Serial No. 203,336. 6 Claims. (Cl. 44—9.)

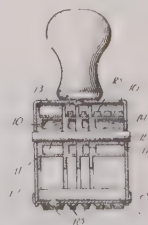
1. A fuel consisting mainly of gasoline, kerosene and an alcohol and containing a blending agent comprising a terpene.

1,405,810. SPRAY. BOYD WILKIE, Mount Vernon, N. Y. Filed Jan. 19, 1921. Serial No. 438,299. 2 Claims. (Cl. 299—130.)



1. In a spray device, a nozzle body for attachment to a pipe, a stem secured in said nozzle body and projecting centrally through the outlet end thereof, a spray head secured on said stem, said spray head having a convex rounded end facing the outlet end of said nozzle body and provided with a plurality of grooves in the side thereof extending longitudinally of the axis of the head and extending through both ends of said spray head, whereby liquid will be deflected in one direction by said grooves, and in another direction by the outer frusto-conical sides of said head, and in still another direction by the convex rounded end of said spray head.

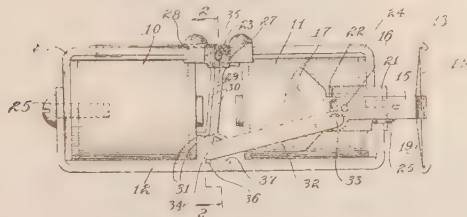
1,405,811. BAND STAMP. MAURICE L. WILLARD, Chicago, Ill., assignor to The Superior Type Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 25, 1921. Serial No. 455,384. 3 Claims. (Cl. 101—111.)



1. The method of forming rolls for band printing samps and the like, comprising cutting the end of a rod of the diameter of the roll flange to form a portion upon the

end thereof of the length and diameter of the desired roll portion concentric with the rod, cutting out the interior of said reduced portion to reduce the weight of the roll, and lastly cutting from the rod the reduced end portion and a relatively narrow section of the full size of the rod.

1,405,812. ANNUNCIATOR DROP. FRANK W. WOOD, Montclair, N. J., assignor to Charles Cory & Son, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 24, 1919. Serial No. 332,984. 13 Claims. (Cl. 177—329.)



5. In a signaling apparatus, a pair of alined magnets having adjacent poles, an armature pivotally mounted between the poles and adapted to be shifted toward either pole when the magnets are selectively energized, the pivotal mounting being such as to permit radial as well as pivotal movement of the said armature, a signal element connected to said armature and adapted to be shifted into either of two positions thereby, and means engaging the armature at an end opposite to the pivotal mounting thereof for maintaining said element in either of its positions when the magnets are both de-energized.

1,405,813. SHOCK SNUBBER. WILLIARD A. ANGLEMYER, Indianapolis, Ind. Filed Oct. 20, 1920. Serial No. 418,229. 4 Claims. (Cl. 267—10.)

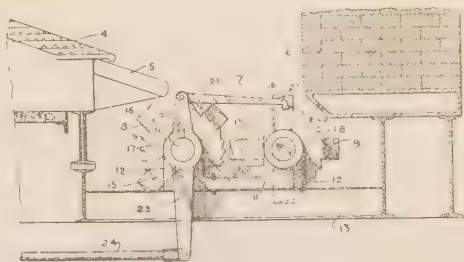


1. In a shock snubber, a plurality of compression springs, a plurality of shock take-up springs of less strength than the compression springs and in the same axial alignment, a housing surrounding all of said springs, said housing having one of its ends closed, suspending means extending through the closed end of said housing and axially through all of said springs, a partition plate between said compression and take-up springs, means for connecting said suspending means to the frame of a vehicle, a loop connected with said housing and a strap connecting said loop to the axle of the vehicle whereby when said frame is caused to rebound said housing will cause said springs to compress and absorb the shock incident to said rebound.

1,405,814. REFUSE GRINDER AND DISCHARGE MECHANISM FOR STOKERS. OTTO ARAM, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed June 9, 1920. Serial No. 387,612. 7 Claims. (Cl. 83—52.)

1. Stoker mechanism comprising a grate, a pair of rotary crushing members disposed adjacent the discharge

end of the grate and adapted to receive refuse from the grate, and means for actuating the said members adapted



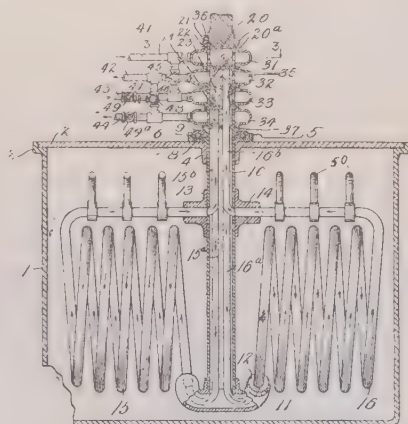
to impart intermittent rotary movement alternately to each member.

1,405,815. HAIRPIN. CHARLES L. CHRISTOFFERSON, Chicago, Ill. Filed Sept. 20, 1920. Serial No. 411,421. 2 Claims. (Cl. 132—50.)



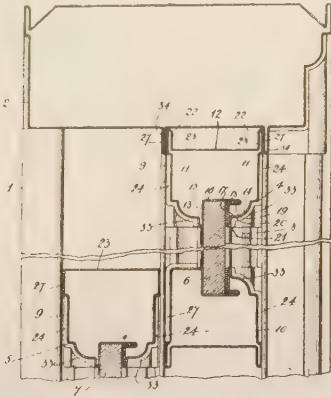
1. A device of the character described comprising a pair of legs, the main body portions of which lie in a plane, holding prongs adapted to engage the hair on the ends of said legs, said holding prongs being bent at an abrupt angle to the main body portions of said legs, and a bight portion connecting said legs, said bight portion being deflected at an angle to the plane of said legs and serving as an indicator to indicate the direction in which said prongs extend.

1,405,816. STERILIZING AND COOLING APPARATUS. SAMUEL M. CRAWFORD, Winfield, N. Y. Filed Aug. 15, 1919. Serial No. 317,713. 7 Claims. (Cl. 257—104.)



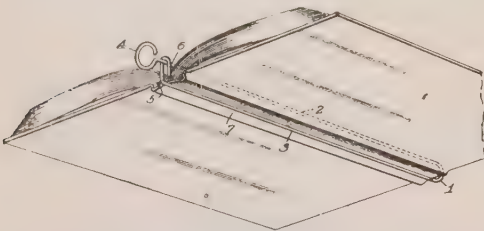
2. In a sterilizing apparatus in combination a rotatable shaft having a series of compartments and a corresponding series of annular cups surrounding said compartments, openings between said compartments and cups, a plurality of hollow coils connected with said shaft, the opposite ends of each of said coils terminating in different compartments, and means for connecting separable sources of circulating media with feed pipes terminating in said annular cups.

1,405,817. METALLIC WINDOW. WILLIAM W. CROCKER, Somerville, Mass. Filed May 2, 1917. Serial No. 166,030. 4 Claims. (Cl. 189—76.)



1. A window sash comprising connected side and top and bottom rails, each rail being formed from a single sheet of metal bent into the required shape to form a glass-receiving groove, both sides of which are formed from bends in said sheet metal, the meeting edges of each sheet being situated at one side of the groove and being positively interlocked against separating movement in either a direction parallel to the plane of the sash or in a direction transverse to said plane.

1,405,818. BOOK HANGER. EARL W. DICKERSON, Detroit, Mich. Filed Dec. 20, 1920. Serial No. 431,871. 1 Claim. (Cl. 129—38.)

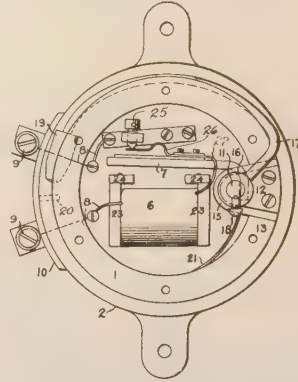


As a means for suspending a book, a hanger comprising a wire having a portion adapted to extend between two leaves of the book, having a bend at the lower end to form a loop to act as a support for the lower end of the back of the book, and thence to extend upward along the back of the book to a point above the top, the upper end of the portion which lies between the leaves of the book being bent to form a suspension loop and the end of the portion extending on the outside of the book being bent inward toward the book and formed into a hook to engage the other portion of the wire between the book and the suspension loop, all portions of the hanger except that which extends along the back of the book lying on one side of the plane of said last mentioned portion.

1,405,819. MINE AND LIKE ELECTRIC BELL. JOSEF BERNHARD EDER, Johannesburg, Transvaal, South Africa. Filed Feb. 18, 1918. Serial No. 217,818. 2 Claims. (Cl. 177—7.)

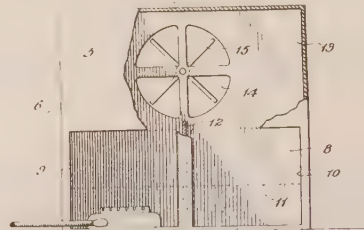
1. In an electric bell, the combination with a watertight casing enclosing the bell-operating mechanism including a pivotally mounted armature, of a dome-shaped gong mounted centrally at the top of the casing, said gong being of larger diameter than the casing and overhanging the latter, the pivot of the armature extending

through the top of the casing, a hammer adapted to swing between the wall of the casing and the gong, a lug pro-



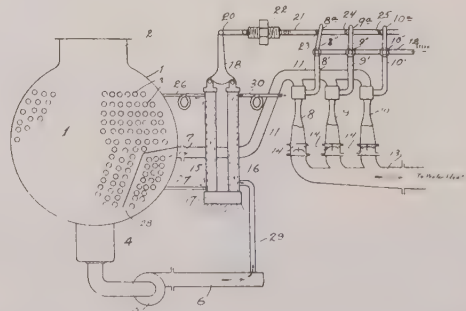
jecting from the gong into the path of the hammer to receive the stroke thereof, and means for securing the hammer to the armature pivot above the casing.

1,405,820. VENTILATING DEVICE. JAMES M. EDWARDS, New York, N. Y. Filed Sept. 20, 1920. Serial No. 411,496. 4 Claims. (Cl. 237—1.)



3. A portable ventilating device comprising a casing having means therein providing separate air inlet passages opening at one of their ends through one wall of the casing, said casing also having a mixing chamber with which said passages communicate and an air outlet passage communicating with the mixing chamber and opening through another wall of the casing, the outlet passage having an area substantially equivalent to the combined areas of the air inlet passages.

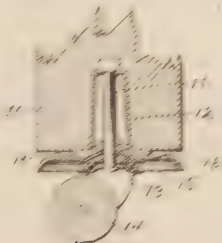
1,405,821. CONDENSING APPARATUS. RAYMOND N. EHRHART, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 8, 1918. Serial No. 261,708. 13 Claims. (Cl. 257—24.)



1. In combination with air extracting apparatus for extracting noncondensable fluid from a condenser, a mo-

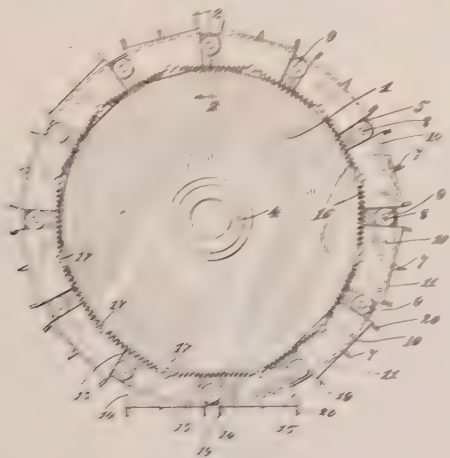
the said supply reservoir and connecting means for the motive fluid supply responsive to relative variations in temperature between the fluids entering the condenser and the condenser within the condenser.

1,405,822. INSECT TRAP. ALFRED S. BRICKSON, AMES, IOWA. Filed Feb. 11 1921. Serial No. 444,979. 2 Claims. (Cl. 42--199.)



1. An insect trap, comprising a flattened dome-shaped plate and means for supporting the same beneath a furniture leg, said plate carrying on its lower surface a coating of adhesive substance adapted to capture insects traversing the same.

1,405,823. TRACTOR WHEEL. FRED EVANS, Summit, N. J., assignor of one-half to Harshorne & Battelle, New York, N. Y., a firm composed of Edward C. Harshorne, Harvey Battelle, and Frederick W. Ludwig. Filed Mar. 27, 1920. Serial No. 399,196. 2 Claims. (Cl. 295--12.)

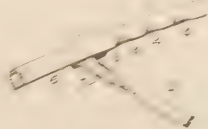


1. A tractor wheel having a rim and a plurality of feet, having portions resting upon the edge of the rim and means connecting the latter and means upon said feet, comprising a central hub and a plurality of spokes connecting the hub and the feet, the feet being arranged in a circular pattern around the rim and the spokes being arranged in a radial pattern between the hub and the feet.

1,405,824. UMBRELLA RIB AND SURTHER. W. S. B. EVANS, Philadelphia, Pa., assignor to S. W. Evans & Son, Philadelphia, Pa., a firm composed of Samuel W. Evans, Wayne S. Evans, and Morris E. Evans. Filed May 20 1920. Serial No. 394,980. 5 Claims. (Cl. 185--91.)

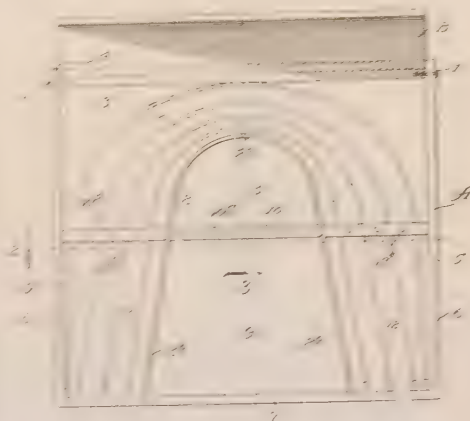
5. In an umbrella construction, a channelled stretcher having its channel at an end portion thereof projecting

in reversed directions, and a channelled rib the pivotal end of said stretcher being mounted in said rib, and the



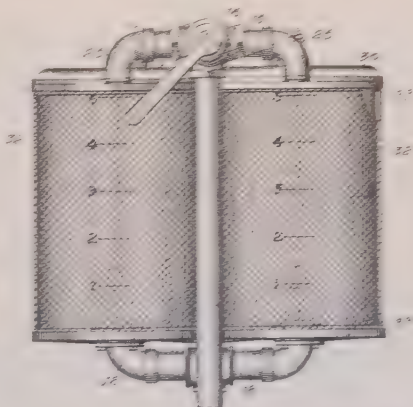
main channel portion of the stretcher being of a size to receive said rib and embrace the walls thereof.

1,405,825. CABINET. JOHN L. FLANNERY, Chicago, Ill., assignor to The Bore Needle Company, Chicago, Ill., a Corporation of Illinois. Filed June 20, 1921. Serial No. 475,890. 3 Claims. (Cl. 211--7.)



1. A cabinet comprising a box having therein a U-shaped wall with a flange extending about said U-shaped wall and side walls, the flange being disposed beneath the side walls of said box, bars flanking said U-shaped wall and separators disposed beneath said bars.

1,405,826. MEASURING APPARATUS. JACKSON FLECKENSTEIN, Ionia, Mich.; Adelaide Fleckenstein, guardian of said Jackson Fleckenstein, a minor, assignor to Fleckenstein Visible Gasometer Company, Chicago, Ill., a Corporation of Delaware. Filed June 9, 1917. Serial No. 173,508. 6 Claims. (Cl. 221--112.)



5. In measuring apparatus, the combination of a plurality of containers, a valve inlet valve controlling intake to the containers, a discharge valve for each container,

and connections for the valves for causing the discharge valves to be alternately closed and the intake valve to be open only to the container having its discharge valve closed.

1,405,827. LIQUID MEASURING AND DISPENSING APPARATUS. JACKSON FLECKENSTEIN, Ionia, Mich., assignor to Fleckenstein Visible Gasometer Company, Grand Rapids, Mich., a Corporation of Delaware. Filed Jan. 5, 1918. Serial No. 210,445. 8 Claims. (Cl. 221—100.)



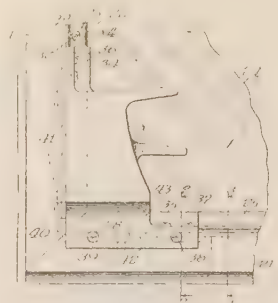
1. In measuring and dispensing apparatus, the combination of a container, top and bottom plates closing the container, a pipe arranged in the container and connecting the said plates, the said pipe having openings therein for overflow of excess liquid within the container, and means for closing the openings for varying the extent of overflow.

1,405,828. GUY-WIRE FITTING. HARRISON W. FLICKINGER, Dayton, Ohio. Filed May 5, 1921. Serial No. 467,127. 2 Claims. (Cl. 244—31.)



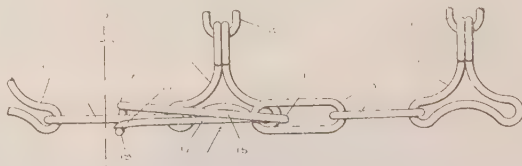
2. The combination, in a device for fitting a wire to a body, means adapted to be rigidly attached to said body, wire retaining means adapted to be fixedly attached to the wire, said wire retaining means being provided with a knife edge bearing, and means between said fixed fitting and said wire retaining means for providing a seat for said knife edge bearing.

1,405,829. METAL SASH CONSTRUCTION. GEORGE H. FORSYTH, Chicago, Ill. Filed Oct. 3, 1914. Serial No. 864,705. 14 Claims. (Cl. 189—72.)



1. The combination with sash members connected to form a sash corner and having on one side a fixed glass-retaining bead, of a lock disposed on that side of the sash opposite said bead with a portion abutting the glass margin, and a removable glazing bead secured to the sash marginally of the glass.

1,405,830. CHAIN COUPLING. MATHEW J. FRAMBACH, Hartley, Iowa. Filed June 17, 1921. Serial No. 478,302. 2 Claims. (Cl. 24—68.)



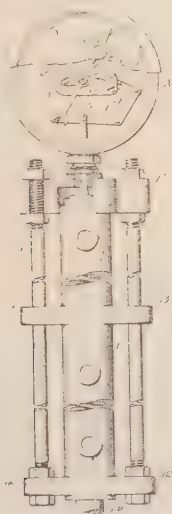
1. A chain coupler bent from wire or similar material comprising a member, a loop at one end of said member to pivotally engage a link, a hook at the other end of said member to engage a link for holding the coupler in closed position, and a latch extending from said loop and co-operable with the hook for holding it on the corresponding link.

1,405,831. STREET-FLUSHING APPARATUS. ANTHONY FRICKER, Cleveland, Ohio. Filed Feb. 25, 1918. Serial No. 219,015. 2 Claims. (Cl. 299—108.)



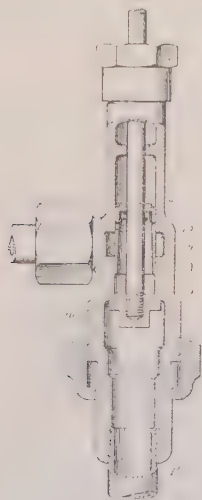
2. A street flushing nozzle formed with an outwardly flared chamber having an inlet at its narrowest end, the front wall of said chamber having a portion set back from its main portion and connected thereto by an abruptly curved portion, and discharge orifices in both said main and set back portions.

- 1,405,832. WATER-LEVEL INDICATOR FOR BOILERS. PERRY H. GENTZEL, Newton, Mass. Filed Oct. 16, 1919. Serial No. 331,163. 4 Claims. (Cl. 73—32.)



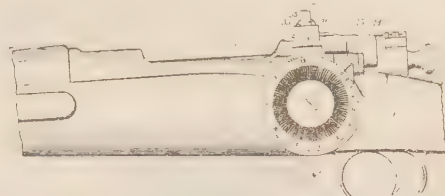
1. A water level indicator for steam boilers, comprising a metal tube, means whereby said tube is attached to the side of the boiler to communicate therewith and with the steam drum indicator mechanism, said tube being rigidly mounted at one end and being free to move at the other end, and being connected at its movable end to the indicator mechanism by means which operates said indicator mechanism through the expansion and contraction of the tube, substantially as set forth.

- 1,405,833. THROTTLE VALVE. PERRY H. GENTZEL, Newton, Mass. Filed Oct. 24, 1919. Serial No. 332,935. 5 Claims. (Cl. 251—78.)



4. A throttle for engines comprising a casing, a poppet valve for controlling the flow of steam through said casing, a sleeve operable with the poppet valve and affording at times a housing for steam, said sleeve being provided with a plurality of pairs of perforations, each pair being on diametrically opposite sides of the sleeve, said casing formed with an annular chamber at all times completely surrounding the sleeve and adapted to form a passage for steam from the sleeve when the perforations of the sleeve are brought into communication with the chamber, substantially as set forth.

- 1,405,834. SIGHT FOR FIREARMS. FRED WILLIAM GORDON, New York, N. Y., assignor to Nash Receiver Sight Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 25, 1916. Serial No. 133,322. 10 Claims. (Cl. 33—56.)



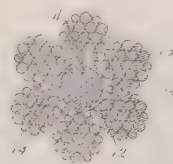
1. A gun sight having a member adapted to be raised provided with a slot, a disc for raising said member and a screw passing through the disc and through the slot, said screw having a flange extending inside of said member.

- 1,405,835. WIRE ROPE. RICHARD DUANE GREEN, Trenton, N. J., assignor to John A. Roebling's Sons Company, a Corporation of New Jersey. Filed Aug. 26, 1919. Serial No. 319,924. 6 Claims. (Cl. 117—59.)



1. A wire rope comprising a fibre core, a strand support so laid up on the core as to place the same under an initial compression such as to prevent substantial compression of the combined core and support, and a plurality of strain-bearing wire strands laid up spirally on the strand support.

- 1,405,836. WIRE ROPE. RICHARD DUANE GREEN, Trenton, N. J., assignor to John A. Roebling's Sons Company, Trenton, N. J., a Corporation of New Jersey. Filed Jan. 8, 1920. Serial No. 350,150. 6 Claims. (Cl. 28—5.)



4. A wire rope comprising a compressible core, a strand support of substantially softer metal than the wires of the strands laid up spirally on the core, a plurality of wire strands laid up spirally on the support, and separating bearers for the wire strands.

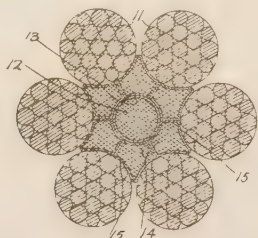
- 1,405,837. WIRE ROPE. RICHARD DUANE GREEN, Trenton, N. J., assignor to John A. Roebling's Sons Company, Trenton, N. J., a Corporation of New Jersey. Filed Jan. 8, 1920. Serial No. 350,151. 7 Claims. (Cl. 28—5.)



6. A wire rope comprising a compressible core, a tenacious protector therefor, a plurality of wire strands laid up helically about the protected core, and separating bearers for the wire strands shaped to have separating

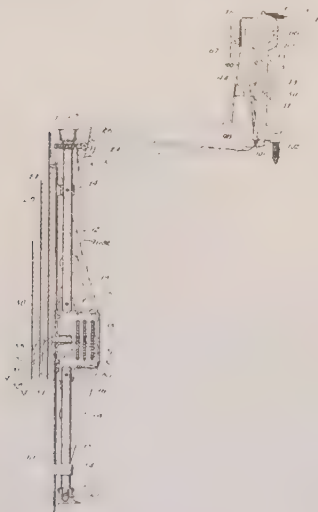
ribs extending between adjacent strands and wing portions on each side of said ribs for separating the strands from the protected core.

1,405,838. WIRE ROPE. RICHARD DUANE GREEN, Trenton, N. J., assignor to John A. Roebling's Sons Company, Trenton, N. J., a Corporation of New Jersey. Filed Jan. 8, 1920, Serial No. 350,152. Renewed Aug. 11, 1921. Serial No. 491,573. 9 Claims. (Cl. 28—5.)



4. A wire rope comprising a multiple core having a plurality of compressible strands, one of which serves as a center core, and about which the others are helically laid up to serve as separating bearers, tenacious protectors for said bearer strands, and a tenacious protector for said center core helically laid up on said core to place the same under an initial compression, and a plurality of wire strands helically laid up on said multiple core.

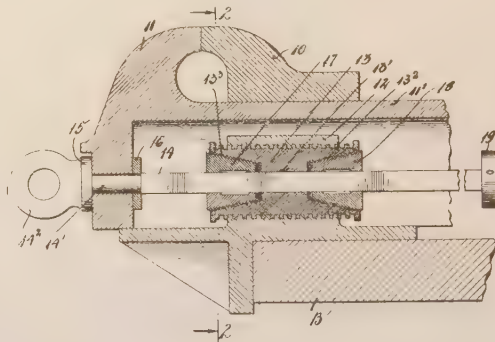
1,405,839. SHIP SIGNALING APPARATUS. PAUL S. GRIERSON, South Orange, N. J., and SAMUEL N. MEAD, Brooklyn, N. Y., assignors to Chas. Cory & Son, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 2, 1921. Serial No. 489,372. 11 Claims. (Cl. 116—26.)



10. A signaling apparatus comprising a dial mounted for movement to assume any of a plurality of indicating positions, pointer means mounted on the dial for movement therewith and for rotation with respect thereto, said pointer means comprising a plurality of pointers having distinctive indicating characteristics, with the pointers concentrically mounted on the dial, provisions for moving the dial, sprocket means carried by the dial for moving the pointer means, a transmitter, transmission means connecting the transmitter with the sprocket means, the said transmission means comprising a chain, the chain

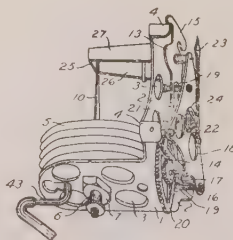
being symmetrically trained over the sprocket means to provide for two lengths or bights of the chain and for equal changes in length of the bights during motion of the dial and sprocket means and tensioning means operative on the said chain transmission means for compensating for the said changes in length thereof whereby motion of the dial into its plurality of positions will not disturb a set position of the pointer means relative to the said dial.

1,405,840. BENCH VISE. HERBERT E. HAGMUELLER, Jersey City, N. J. Filed Aug. 17, 1921. Serial No. 492,902. 3 Claims. (Cl. 81—32.)



2. A vise, comprising a stationary jaw having an inwardly threaded strain block, a movable jaw, a bolt rotatively borne in and connected to said movable jaw, a clamping screw working in the thread of said strain block and slidably fitted on said bolt, said screw having threaded conical grooves in its end faces and threaded clamping members slidably mounted on said bolt and adapted to work in said grooves so that by turning the bolt in one direction said members will be fed into the grooves and clamp said bolt to the clamping screw and, in the opposite direction will feed outwardly and release said bolt.

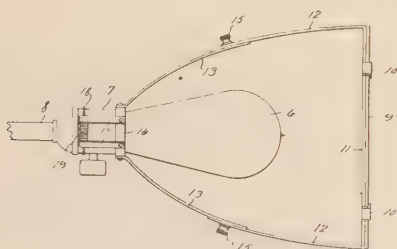
1,405,841. CLIMETER. ALLEN K. HAINES, East St. Louis, Ill. Filed Feb. 15, 1919. Serial No. 277,305. 9 Claims. (Cl. 264—1.)



1. In a device of the character described, an air tank which is volumetrically unresponsive to temperature changes, pressure responsive means connected thereto, means provided with a small orifice associated with the said pressure responsive means, an indicating means operated by said pressure responsive means.

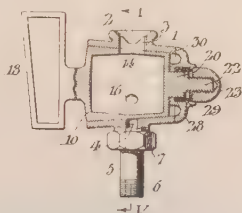
1,405,842. ADJUSTABLE SIGN BRACKET. CHESTER C. HARDESTY, Cleveland, Ohio. Filed Jan. 26, 1921. Serial No. 439,990. 1 Claim. (Cl. 40—131.)
A combined sign and lamp support comprising a stand, a band fixed thereto and provided with means to clamp

and support a lamp socket therein with the lamp projecting laterally, and a pair of arms projecting laterally from



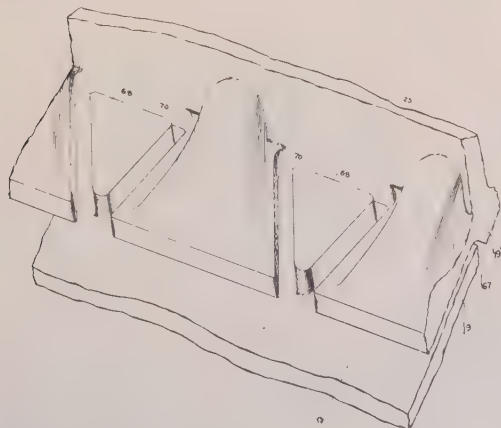
the band and adapted to support a sign of and in line with the lamp.

1,405,843. DECARBONIZING VALVE FOR INTERNAL-COMBUSTION ENGINES. DONALD MCK. HEPBURN, Akron, Ohio, assignor to Hepburn Decarbonizer Company, New York, N. Y., a Corporation of New York. Filed Feb. 19, 1918. Serial No. 218,116. 4 Claims. (Cl. 123—187.5.)



1. A decarbonizing valve comprising a cylindrical casing member and a closed hollow valve member rotatable therein; said casing and valve members having entrance and discharge openings for the reception of liquid and discharge thereof to an engine cylinder, and said valve member being otherwise completely closed; the entrance and discharge openings of said valve member being capable of successive, but not concurrent, registration with those of said casing; and the entrance afforded by registration of valve and casing entrance openings being elongated, so as effectually to vent the valve interior of air.

1,405,844. SHIP. MYRON F. HILL, New York, N. Y. Filed Apr. 18, 1919. Serial No. 291,124. 15 Claims. (Cl. 114—79.)

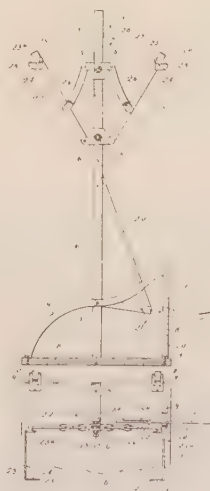


1. A joint between the edges of plates adapted to overlap, the laps being respectively provided with dovetailed lugs and welding grooves between the adjacent edges.

1,405,845. METHOD OF TREATING GOLF BALLS. HARRY A. HOFFMAN, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed June 22, 1921. Serial No. 479,685. 7 Claims. (Cl. 154—17.)

1. The method of making golf balls which comprises partially curing a vulcanizable cover stock on the ball under heat and pressure in a mold, removing the ball from the mold, further curing the cover by applying a vulcanizing fluid thereto within a relatively short period after removal from the mold, and then painting the ball.

1,405,846. BAG HOLDER. WILLIAM H. IVERSON, Osceola, Wis., assignor of one-half to Homer F. Ehle, Minneapolis, Minn. Filed May 13, 1918. Serial No. 234,088. 1 Claim. (Cl. 83—26.)

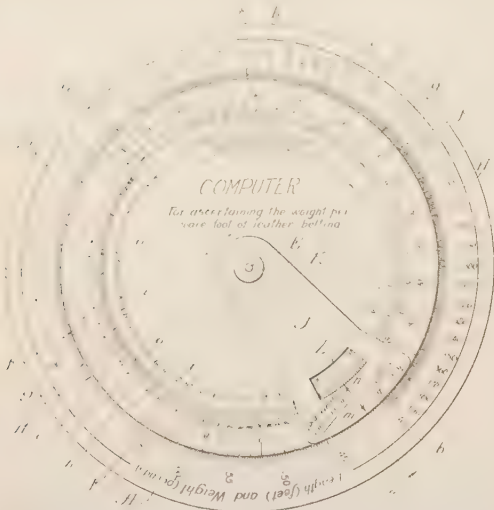


A bag holder comprising a vertical standard, bag holding means on the standard including a movable head, a foot lever pivoted to the standard and extended to one side thereof, an actuating rod of spring metal connecting the movable head to the foot lever, said rod extending downward for a portion of its length parallel to the standard and then extending at an angle to said standard and being secured to said foot lever at some distance from the standard whereby a resilient action is given to the bag holding means when the foot lever is moved to actuate the same.

1,405,847. COMPUTING DEVICE. GEORGE DAVID JOHNSON, Chicago, Ill., Louise Johnson administratrix of said George David Johnson, deceased. Filed Mar. 1, 1920. Serial No. 362,316. 2 Claims. (Cl. 235—84.)

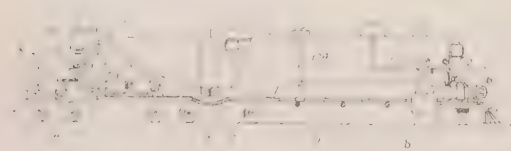
1. A calculating device comprising a circular base having a circular scale delineated thereon about its outer edge, a second circular disk concentrically and rotatively mounted upon said circular base and having a diameter equal to that of the inner diameter of said first named circular scale, said second named circular disk having a scale delineated thereon about its outer edge and having an inner circular scale delineated thereon and spaced from the scale about its outer edge, said scales having graduations arranged for registry, and an indicator arm mounted for rotation about the common axis of said circular base and said circular disk and being arranged to indicate radially

registering graduations representing correlated values in said first named scale and said last named scale and to



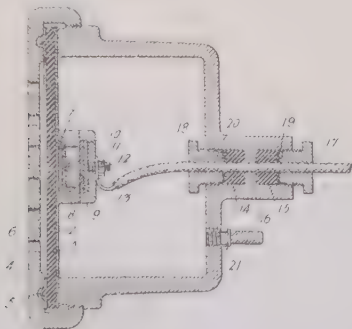
cover the intervening segmental portion of the second named scale.

1,405,848. LOCOMOTIVE. ALEXANDER T. KASLEY, Tinicum Township, Delaware County, Pa., assignor to Westinghouse Electric & Manufacturing Co., a Corporation of Pennsylvania. Filed June 6, 1919. Serial No. 302,259. 27 Claims. (Cl. 105—86.)



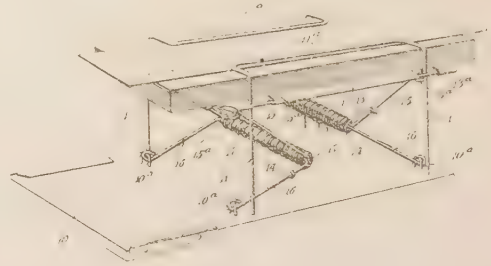
1. In combination in a locomotive, a steam engine cylinder, a turbo-generator, a low pressure turbo-generator operating on steam discharged from the cylinder and the first mentioned turbo-generator, and means for employing the current generated by the generators in driving the locomotive.

1,405,849. VIBRATION DETECTOR. HERMAN T. KOHLHAAS, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 28, 1919. Serial No. 313,802. 4 Claims. (Cl. 179—138.)



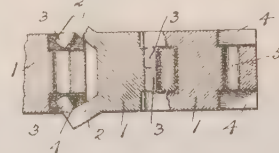
2. In a vibration detector, a diaphragm comprising a layer of soft rubber, a layer of metal fastened to one side of said layer of rubber, and an annular metal bearing member for the other side of the layer of rubber.

1,405,850. NOTE HOLDER. HAROLD LEVY, New York, N. Y. Filed May 2, 1921. Serial No. 466,272. 4 Claims. (Cl. 129—35.)



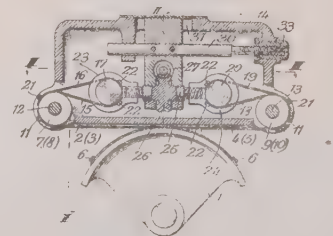
1. In a note holder the combination of a guide frame arranged to accommodate a stack of unfolded currency notes, permitting free vertical movement of the stack of notes and permitting free longitudinal movement of the notes individually or collectively while confining said notes against lateral movement, a depressible member for resiliently supporting said stack and a pair of stop members overlying side margins only of said notes whereby the notes may be inserted unobstructively from above.

1,405,851. CHAIN. FREDERICK W. LEWIS, Providence, R. I., assignor to Chapin & Hollister Co., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 12, 1921. Serial No. 451,815. 6 Claims. (Cl. 59—80.)



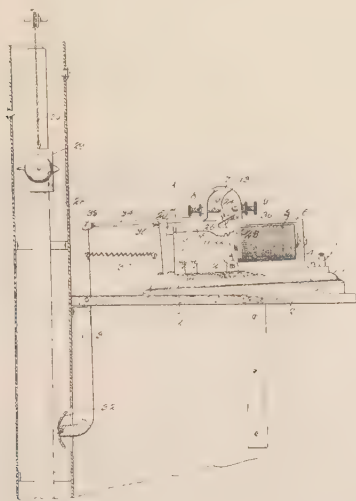
1. A chain link comprising a one piece body member provided at one end with a pair of integral bendable hinge arms having inturned pivot ends and at its other end with an opening to receive the pivots carried by the arms of the next adjacent link.

1,405,852. DEVICE FOR TIGHTENING BANDS OF ROLLS SIMULTANEOUSLY AND EQUALLY. MAX MAAG and EMIL BUCHTER, Zurich, Switzerland. Filed Aug. 4, 1920. Serial No. 401,201. 10 Claims. (Cl. 74—14.)



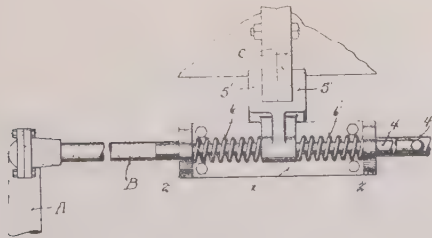
1. A device for tightening bands of rolls simultaneously and equally, comprising in combination a rolling member, a plurality of bands, one end of each of which is fixed to said rolling member, said bands extending from the latter toward opposite sides of said rolling member, guide rolls over which said bands are led, equalizing rolls adjacent said guide rolls, means connecting said guide rolls with said equalizing rolls, and means to bring said equalizing rolls nearer together for the purpose of tightening said bands.

1,405,853. ELECTRIC SIGNALING SYSTEM FOR MINES. ALBERT MAJOR, Shenandoah, Pa. Filed June 14, 1919. Serial No. 304,228. 4 Claims. (Cl. 200—87.)



4. The combination of an electro-magnet, an armature therefor pivoted at its lower end and arranged to permit its upper end to swing from the electro-magnet by gravity, said armature having an upstanding finger, an electrical contact to be engaged by said finger when the electro-magnet is energized, a pivotally mounted detent at the outer side of the armature and having its free end riding on the upper edge of the armature and provided with a shoulder to bear against the outer face of the armature and hold the armature against the contact when the electro-magnet is deenergized, an upwardly inclined finger extending from the upper edge of the detent, a vertically disposed rocking lever, a lifting member pivoted to the upper end of said lever and provided at its free end with a lateral finger engaging the under edge of the finger on the detent, a support for said lifting member, means acting to yieldably hold the lifting member finger at the free end of the finger on the detent, and means for rocking said lever whereby to cause the lifting member finger to ride under the detent finger and lift the detent to permit release of the armature from the electric contact.

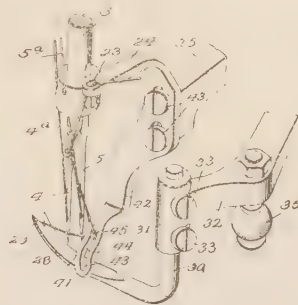
1,405,854. STEERING-GEAR-CONTROL ATTACHMENT. OTTO MEILI and PAUL BLUMBERG, New Holstein, Wis., assignors to The Meili-Blumberg Company, Inc., New Holstein, Wis. Filed May 16, 1921. Serial No. 469,768. 2 Claims. (Cl. 280—94)



2. In a motor driven vehicle having an engine housing provided with an offset end, a longitudinally disposed steering rod adapted to travel past the offset; the combination of a steering gear controlling attachment comprising a bracket associated with the steering rod, a spring centered oscillatory plunger rod carried by the bracket, and a dog secured to the plunger rod for selective engagement with the engine housing offset.

295 O. G.—7

1,405,855. STITCH-FORMING MECHANISM FOR SEWING MACHINES. JAMES R. MOFFATT, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed July 18, 1917. Serial No. 181,208. 9 Claims. (Cl. 112—100.)



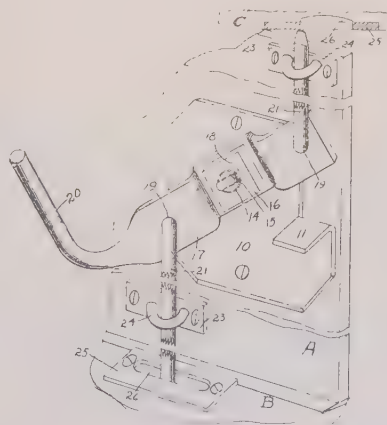
1. The combination with a plurality of needles and complementary stitch-forming mechanism, of a thread hook for forming a loop in a cross thread for certain of said needles to enter, means against which the cross thread is drawn by the hook, said means being shaped so that, as the cross thread is forced against the same by the hook, said cross thread will move rearwardly while in engagement with said means and position one strand of the loop between the needles.

1,405,856. INSECTICIDE. NEIL E. MORGAN, Hermon, N. Y., assignor to Bob White Chemical Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 13, 1919. Serial No. 323,618. 2 Claims. (Cl. 167—6.)

1. An insecticide constituting a composition consisting of cresylic acid in an oily vehicle, the cresylic acid comprising a relatively minute part of the composition.

2. An insecticide constituting a composition consisting of cresylic acid in an oil vehicle, the cresylic acid being of a quantity not less than one per cent of the mixture.

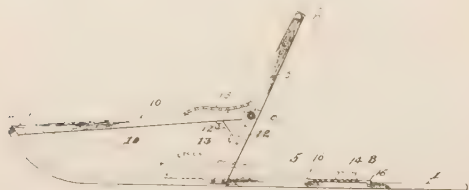
1,405,857. DOOR LATCH. PERCY H. NEIDIG, Madison, Nebr. Filed Feb. 19, 1921. Serial No. 446,323. 6 Claims. (Cl. 292—6.)



1. A latching means for doors including a plate having an outstanding apertured lug, a handle having a shank extending through the plate and oscillatable therein, an arm extending from the shank and disposed parallel to the plate, said arm having an angularly bent extremity

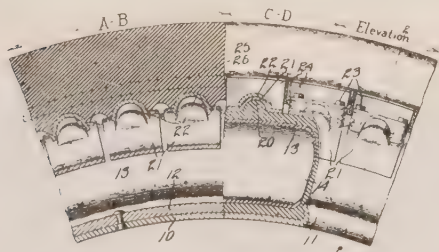
formed with an aperture adapted to align with the aperture in the plate whereby a padlock may be inserted through the two apertures to hold the handle shank from oscillation.

1,405,858. SLED. HJALMAR NILSSON, Hammond, Ind., assignor, by mesne assignments, to Continental Transport Company, Chicago, Ill. Filed Jan. 7, 1921. Serial No. 435,694. 2 claims. (Cl. 280—22.)



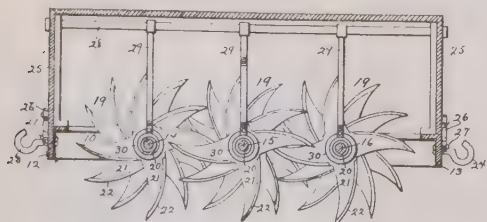
1. In a sled, the combination with runners and a handle structure, of foot-rest devices on said runners contiguous to said handle structure, each foot-rest device including a flat open body work resting upon a runner and yokes at the ends of said body work fitting over the runner, and means fastening the yokes and runners together.

1,405,859. RESILIENT TIRE. MICHAEL J. O'CONNOR, Bloomington, N. J. Filed May 3, 1921. Serial No. 466,592. 7 Claims. (Cl. 152—10.)



1. In a tire structure, a pair of pneumatic tires having irregularities at intervals on their peripheral surfaces, connecting means extending across said pair of tires adapted to engage said irregularities and prevent relative sidewise movement of the tires and a tread surrounding said devices and held in place thereby, substantially as set forth.

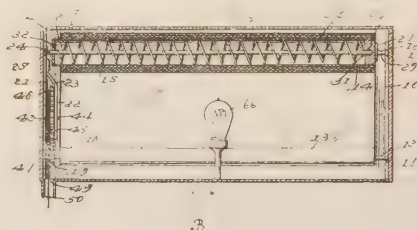
1,405,860. REVOLVING TOOTHED-DISK HARROW. OLE A. OLSON, Northwood, Iowa. Filed July 28, 1919. Serial No. 313,767. 4 Claims. (Cl. 55—11.)



1. In a revolving toothed-disk harrow having a frame, shafts mounted for rotation in said frame, and means at each end of the frame for attaching draft means thereto whereby the direction of travel of the harrow may be reversed, toothed disks mounted on and non-rotatable relative to said shafts, the teeth of each disk being scim-

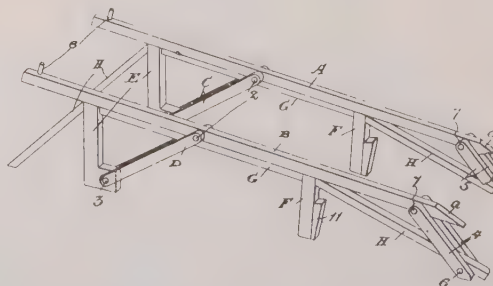
iter-shaped and sharpened on their convex margins so that in reversing the direction of travel of the harrow the cutting and spading functions of the teeth may be alternately applied to soil.

1,405,861. TRAFFIC SIGNAL. LEE J. ORENDORF, Mulvane, Kans. Filed May 23, 1921. Serial No. 471,555. 2 Claims. (Cl. 116—43.)



1. In a device for the purpose indicated, a signal apparatus comprising a housing provided with a transparent front, a pair of supports arranged in perpendicular parallelism and connected to the opposite ends of the housing adjacent the transparent front, one of said supports having a projection, a spring tensioned roller detachably mounted in the corresponding upper ends of said supports, a reeling roller detachably mounted in the corresponding lower ends of said supports, a direction chart connected to and rolled about the spring tensioned roller and having one end connected to the reeling roller and adapted to travel from one to the other whereby the directions on the chart are readable through the transparent front, said chart having a plurality of direction sections on its face exposed immediately to the rear of the transparent front, a gear carried by one end of the reeling roller, an operating master gear mounted on said projection and meshing with the gear of the reeling roller and provided with a pulley approximating the diameter of the operating gear, and actuating means operatively connected with the pulley for reeling the chart from the spring tensioned roller to the reeling roller, the construction and arrangement of said gearing being such, whereby a partial movement of the master operating gear will impart movement to the reeling roller sufficient to move the chart its full length, so that all the directions may appear consecutively through the transparent front.

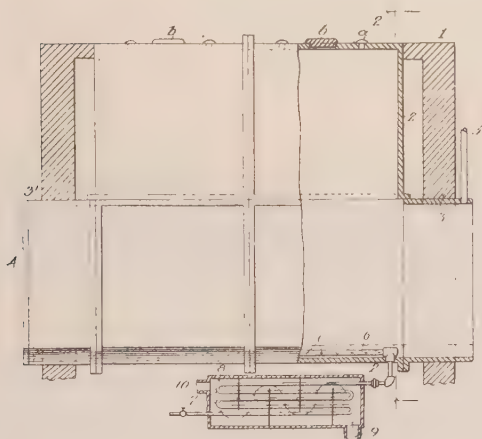
1,405,862. HAYRACK UNLOADER. VICTOR GILBERT QUELLETTE, Clodford, Alberta, Canada. Filed Aug. 26, 1920. Serial No. 406,197. 2 Claims. (Cl. 254—49.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. An unloading apparatus comprising two longitudinal stop-provided skids spaced laterally apart to provide an unobstructed passageway to permit a rack-provided wagon to be driven therebetween; suitable inclined forward supports and suitable rear supports whereby

said skids are normally supported in an inclined position; lever mechanism pivoted to said skids near their upper portions and adapted to permit said skids, when said wagon comes in contact with said stops, to be raised upwardly and supported at an inclined position at their forward portions, and lift the forward part of the rack from off the wagon gear, the said lever mechanism resting against said inclined supports; props pivoted at their upper ends to said skids near their lower ends, and supports adapted to receive the lower ends of said props when force is applied to said skids beyond the point of association of said lever mechanism therewith whereby the lower ends of said skids are raised to lift the rear end of said rack clear of the wagon gear and supported in raised position.

1,405,863. METHOD OF MAKING SULPHUR-FREE WATER GAS. CHARLES S. PALMER, Pittsburgh, Pa. Filed June 3, 1918. Serial No. 238,020. 4 Claims. (Cl. 48-202.)

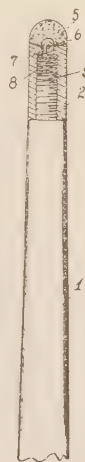


1. In the manufacture of water-gas from charcoal the process which consists in confining a charge of charcoal substantially free from sulphur and its compounds, in a space having an envelope which consists principally of a metal associated with iron in the "iron group" of Mendeleef's table and of greater atomic weight than iron, said envelope not exceeding $1\frac{1}{2}$ inches in thickness, being of good heat conductivity and not deleteriously affected when subjected to the action of a mixture of producer gas and air heated to a temperature of 1100° C., for prolonged periods of time, supplying sufficient heat to said charge through said conductive envelope from a strongly oxidizing, highly-heated gaseous medium caused to contact with the outer surface of said envelope, to promote the water-gas reaction in said charge, maintaining said temperature by conduction of heat to said charge through said conductive envelope without the direct introduction to said chamber of substantial quantities of an air blast, simultaneously supplying a sufficient quantity of steam to said charge to effect the water-gas reaction so as to produce a strongly, reducing, highly-heated, gaseous medium in contact with a substantial portion of the inner surface of said envelope.

1,405,864. BILLIARD-CUE TIP. WILLIAM C. PAPPAS,
Berkeley, Calif. Filed June 14, 1920. Serial No. 388,834.
1 Claim. (Cl. 116—9.)

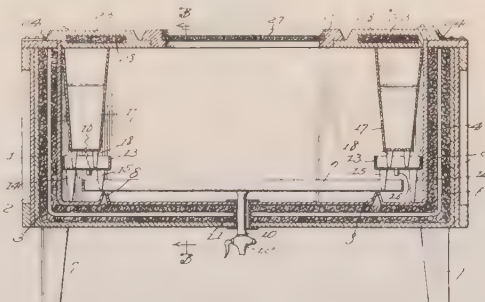
In combination with a cue having a sleeve, a tip having a rib adapted to fit into a groove in said sleeve, a

pin in said rib, a hook adapted to engage said pin, a head on the end of the hook shank, a spring positioned



between the top of said sleeve and the head of said hook whereby the tip is maintained in its position.

1,405,865. FISH BOX. WILLIAM THOMAS PETTET,
Walnut Ridge, Ark., assignor of one-half to Thomas C.
Neece, Walnut Ridge, Ark. Filed May 25, 1921.
Serial No. 472,579. 2 Claims. (Cl. 62-75.)

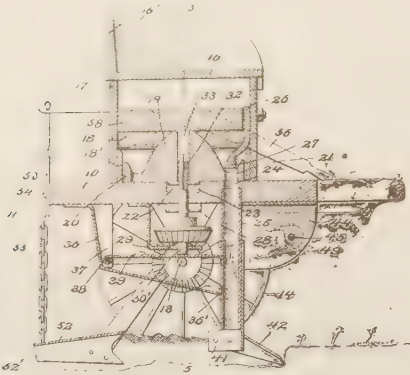


1. In a fish icing box, a casing having a fish receiving compartment, said compartment having on its bottom at its opposite ends upstanding ribs, a main drip pan supported on said ribs and provided with means for carrying off the drippings exteriorly of the compartment, auxiliary drip pans having legs engaging the ends of the bottom of the fish compartment and provided with additional legs engaging the bottom of the main drip pan, said auxiliary drip pans having means carrying the drippings into the main drip pan, ice bunkers supported on the auxiliary drip pans and communicating therewith, said ice bunkers having heat absorbing spaces, and closures for the ice bunkers and the fish compartment.

1,405,866. PLANTING MACHINE. FRANK X. RATKOVIC,
Etna, Pa. Filed Dec. 12, 1919. Serial No. 344,277.
1 Claim. (Cl. 111—59.)

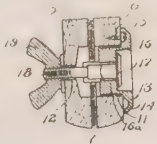
In a planting machine of the type described, a platform, a seed hopper supported thereon, a seed chute in communication with said hopper supported adjacent its lower end by an angular bracket carried by the underneath portion of the platform, a rotatable block within said hopper, for feeding seeds to the chute, a vertically movable shaft journaled beneath said platform and slidably keyed to said rotatable block, a lever pivotally carried by the angular bracket and underlying said shaft, a trencher slidably carried upon the seed chute having laterally ex-

tending arms upon its upper end and means engageable with said pivoted lever and the laterally extending arms



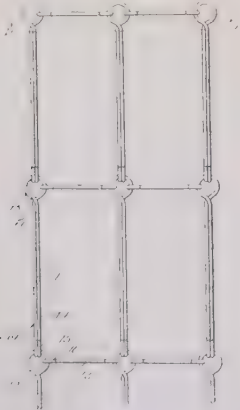
upon the trencher for simultaneously elevating said vertical shaft and trencher.

1,405,867. BLADE-HOLDING DEVICE. ALFRED M. REMINGTON, Fitchburg, Mass., assignor to Simonds Manufacturing Company, Fitchburg, Mass., a Corporation of Massachusetts. Filed Sept. 1, 1921. Serial No. 497,698. 7 Claims. (Cl. 145-113.)



7. A compass saw having a handle bifurcated to provide clamping jaws and a slotted blade, a cylindrical member rotatably received in one bifurcated end, a circumferential flange on said member normally contacting with the handle, countersinks on the inner face of said flange, a stud on the handle cooperating with said countersinks to lock said member against rotation, lugs on said member extending across the space between the bifurcated ends of the handle to receive the slotted end of the blade, a squared bolt fitting in a squared axial opening in said member and having a threaded end extending between the lugs and through a hole in the other bifurcated end of the handle, and a nut on said bolt whereby the blade may be clamped to the handle in any desired position.

1,405,868. BED-SPRING FABRIC. ANTHONY RHENSTROM, Kenosha, Wis. Filed Apr. 5, 1919. Serial No. 287,871. 4 Claims. (Cl. 245-5.)



2. A fabric for bed-springs having links composed of two legs arranged in close parallelism and connected at

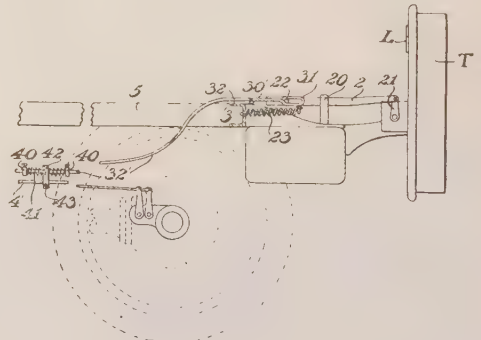
one end by an integral eye, the side of the eye connected with a leg being disposed at the opposite side of the link from said leg.

1,405,869. CIGARETTE AND CIGAR HOLDER. MARGUERITA BENSON ROBINSON, London, England. Filed Dec. 24, 1920. Serial No. 433,050. 3 Claims. (Cl. 131-10.)



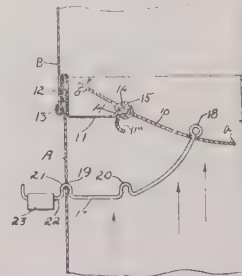
3. A cigar or cigarette holder comprising a tubular holder having a mouth piece at one end and a recess at the opposite end, a pair of holes in the walls of said recess arranged diametrically opposite to one another, a flexible chain passing through said holes and means on said chain for drawing the same taut by manual manipulation to eject the article placed in said recess.

1,405,870. AUTOMOBILE SIGNAL. WALTER E. ROOT, Seattle, Wash. Filed Aug. 18, 1920. Serial No. 404,421. 6 Claims. (Cl. 116-36.)



1. In combination with a chassis and a plurality of vehicle controls mounted thereon, a movable signal mounted upon said chassis, and means connecting said signal with each of the vehicle controls to actuate the signal, each of said means including both a member yieldable when its own control is operated and another member yieldable when another control is operated.

1,405,871. AUTOMATIC DAMPER FOR STOVEPIPES. THOMAS H. RUDDY, Kalama, Wash. Filed Mar. 3, 1921. Serial No. 449,595. 7 Claims. (Cl. 236-45.)



2. The combination with a stove pipe, of a damper bracket engaged therewith and projecting into the stove pipe, a damper plate pivoted to the inner end of the bracket for free oscillation, the pivotal point of the damper plate

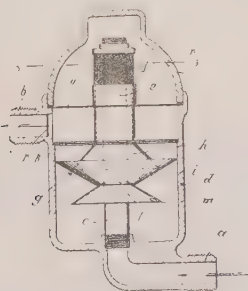
being disposed to one side of the center of the plate and the smaller portion of the plate being disposed above the bracket, a wire passing through the stove pipe and through the damper plate, said wire at its inner end being bent upward in a curve approximately concentric to the pivotal center of the damper plate and formed with a stop at its extremity, the opposite portion of the wire from the stop being formed with two bends constituting notches and adapted to engage the wall of the perforation through which the wire passes whereby the wire may be adjusted to permit the free movement of the damper plate or hold the damper plate in a vertical position.

- 1,405,872. DEVICE FOR FACILITATING THE EMPLACEMENT AND DISPLACEMENT OF FLEXIBLE TIRES. JOHN SCHMITT, Portland, Oreg. Filed Apr. 9, 1920. Serial No. 372,515. 5 Claims. (Cl. 157-6.)



1. A tool for holding a tire in a desired relation to the plane of a rim, having a tire engaging surface, and means having a mere hook and shoulder interlocking engagement with the rim for interchangeably engaging the tool to the rim with said surface facing in opposite directions, said surface in both positions being adjacent the same edge of the rim.

- 1,405,873. FILTERING AND PURIFYING DEVICE. ADOLF SELLIN, Stuttgart, Germany. Filed Mar. 25, 1916. Serial No. 86,690. 5 Claims. (Cl. 210-165.)



1. In a device for separating water from benzine and the like, a cylinder, a chamber larger in cross-section than and communicating with said cylinder, the chamber comprising a lower part having a water-exit opening in the bottom thereof, and also comprising an upper part constituting a cover having its edge slightly separated from the lower part before mentioned, and a casing wherein the cylinder and chamber are located.

- 1,405,874. PROCESS OF CONNECTING THE BACKING AND FACING OF A TOOTH. LAKE H. SPRINKLE, Brooklyn, N. Y. Filed Nov. 25, 1921. Serial No. 517,683. 2 Claims. (Cl. 32-9.)

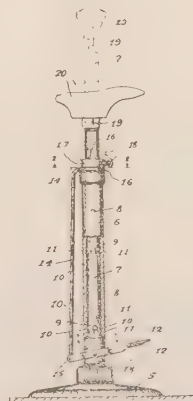
1. A process of connecting the facing of a bridge tooth to the backing thereof or of a tooth to the plate or bridge, consisting of swaging a metal covering, having therein a cup or hollow projection to the facing or tooth which has

embodied therein an opening with an undercut, said hollow projection being caused by the swaging to line said opening



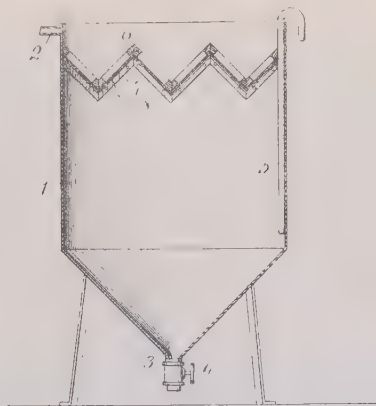
with said undercut, whereupon a suitable alloy is added unto the said covering until said opening is filled and the backing is formed.

- 1,405,875. SHOEMAKER'S JACK. JAMES A. STRANGE, Ellensburg, Wash. Filed July 6, 1920, Serial No. 394,329. Renewed Dec. 19, 1921. Serial No. 523,584. 2 Claims. (Cl. 12-123.)



1. A jack comprising a base, a telescopic standard consisting of male and female members, a pin removably positioned at different heights transversely of the female member, the lower end of the male member having crossed slots for selective seating on said pin, a collar adjustably connected to the male member, a foot lever pivoted to the female member, a link rod connection between the collar and lever for elevating the main member, and a last carried by the other end of the male member.

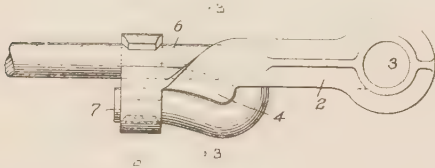
- 1,405,876. APPARATUS FOR TREATING CRUDE OIL. WILLIAM H. SUMMERS, Florence, Kans. Filed Aug. 16, 1920. Serial No. 403,928. 3 Claims. (Cl. 210-185.)



1. In an apparatus for treating crude oil, a settling tank having an inlet for oil and an outlet for oil above said inlet, supports attached to the inner wall of the tank and ar-

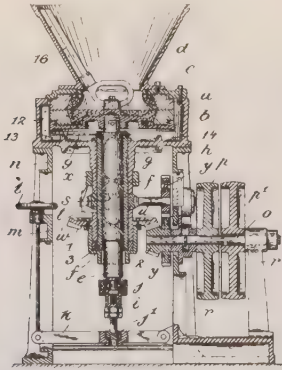
ranged in zig-zag relation to each other, and a screen extending transversely entirely across the tank intermediate of the inlet and the outlet and comprising sections, each being independently removable, the sections being disposed in zig-zag relation to each other and supported at their ends respectively by said supports, substantially as set forth.

1,405,877. BRAKE-ROD JAW. ELMER M. SUMMERHAYS, Hammond, Ind., assignor to Frederic Schaefer, Pittsburgh, Pa. Filed Feb. 20, 1919. Serial No. 278,184. 5 Claims. (Cl. 287—20.5.)



2. A brake rod jaw comprising parallel jaw members connected by a web, said web extending rearward from the jaw members and having its opposite sides channeled to form seats for the prong and body of a brake rod hook, and lateral wings on said extension adapted to be bent around the prong and body of the brake rod hook to clamp them in the said channels.

1,405,878. DISK AND LIKE GRINDING MILL. JOHN ROWLAND TORRANCE, Bitton, England. Filed July 7, 1919. Serial No. 309,188. 3 Claims. (Cl. 83—10.)

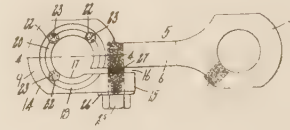


1. A drive for a grinding mill of the type described having in combination a common main shaft, means for imparting a rotary drive to the grinding disk carrying shaft mounted in the rotating eccentric bush, said means comprising a bevel gear, the driven bevel of which is rotatably mounted on the eccentric bush, a tubular piece carried by said driven bevel, radial slots in said tubular piece, projections fixed on the lower end of the disk carrying shaft, said projections cooperating with the radial slots in the tubular piece, and means comprising worm gearing for imparting the bodily drive to the grinding disk, said latter means being also driven from said common main shaft.

1,405,879. SWINGING BRACKET FOR HEEL-SHAPING MACHINES. JOHN H. VINTON, Keene, N. H., assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass., a Corporation of Massachusetts. Filed July 30, 1920. Serial No. 400,184. 6 Claims. (Cl. 64—55.)

1. A swinging bracket having, in combination, a body portion, a split sleeve integral with said body portion and having a bore constituting a bearing for a shaft, said

sleeve terminating at one side thereof in an ear adjacent to said body portion and means to adjust said ear relatively

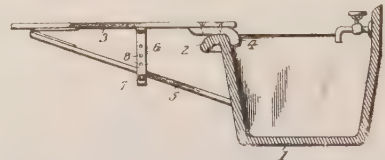


to said body portion whereby the diameter of said bore may be increased or diminished, one end of said bore being bevelled to form an oil chamber.

1,405,880. METHOD OF REPAIRING AUTOMOBILE RADIATORS. WILLIAM L. WALTER, Pueblo, Colo., assignor of one-third to Roy John Moore and one-third to Bernard John Griesemer, Pueblo, Colo. Filed May 9, 1921. Serial No. 468,198. 5 Claims. (Cl. 91—68.)

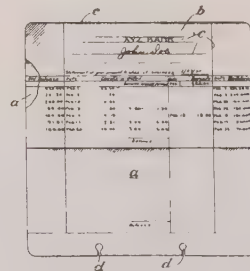
2. A method of repairing automobile radiators which consists in submerging a part of the radiator to be repaired in molten sulphur and removing the radiator therefrom.

1,405,881. DRAIN BOARD. HARRY J. WALLACE, Clarksburg, W. Va. Filed Mar. 16, 1921. Serial No. 452,737. 2 Claims. (Cl. 141—11.)



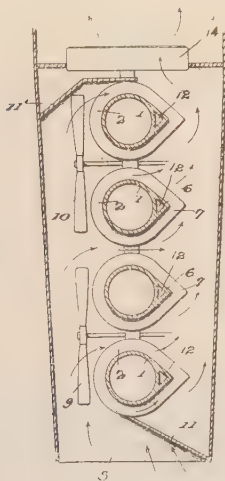
1. In combination with a sink, of a board, arcuate holders thereon engaging the edge of one wall of the sink, a pivoted brace carried at the opposite end of the board and adapted to engage at its free end the wall of said sink, and adjustable means suspended from said boards to support said brace.

1,405,882. LOOSE-LEAF SHEET. HOWARD MARION WILLIAMS, Boulder, Colo. Filed June 24, 1920. Serial No. 391,391. 3 Claims. (Cl. 282—27.)



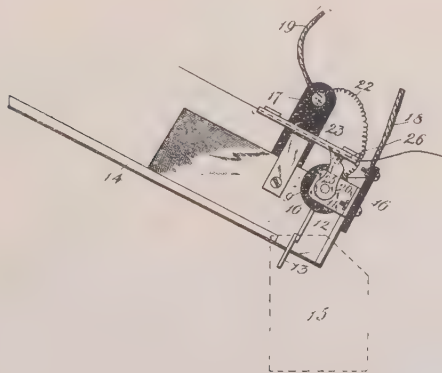
1. A loose leaf for accounts, comprising a sheet and a second smaller sheet integral therewith, formed by a transverse fold parallel with one edge and adapted to be folded back on the larger sheet, the upper faces of both the larger sheet and the back folded smaller sheet being similarly inscribed and ruled to read from the folded edge downward for indexing purposes.

1,405,883. AIR-COOLED INTERNAL-COMBUSTION ENGINE. JOHN H. WILLIAMS, Jr., Montclair, N. J. Filed Sept. 22, 1920. Serial No. 411,901. 6 Claims. (Cl. 123—171.)



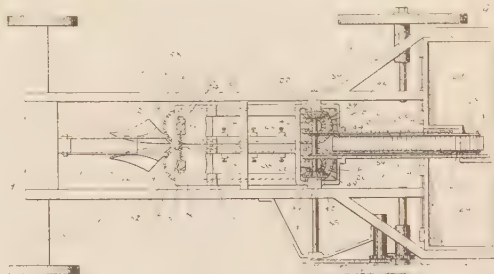
3. An internal combustion engine comprising stationary cylinders, auxiliary fans arranged at the side thereof and adapted to cause a blast of cooling air, means attached to each of the cylinders of said engine adapted to present a streamlined surface to said blast for the purpose of exposing each of said cylinders, at all points, to said cooling air.

1,405,884. AUTOMATIC MOTION-PICTURE-PROJECTING MACHINE. JAMES E. WINTERBURN, San Francisco, Calif., assignor to Ernest J. Torregano, San Francisco, Calif. Filed Nov. 13, 1919. Serial No. 337,720. 3 Claims. (Cl. 194—12.)



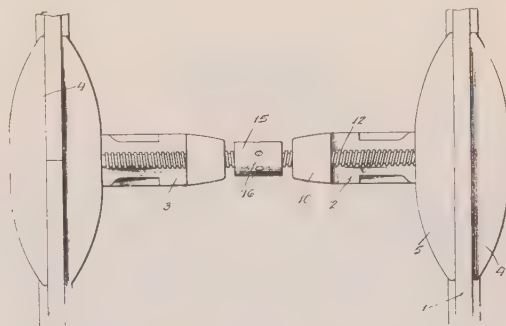
3. In a device of the character described, a projector adapted to be operated by an electric motor and employing a cinematographic film in the form of an endless belt adapted to be moved continuously in a given direction, and having electrical connections adapted to connect the motor in a circuit with a source of electrical power; and a commutator in said circuit adapted to be mechanically operated by the coin and film to make and break the electrical circuit to start and stop the machine.

1,405,885. HARVESTER. CHARLES W. WOODSON, Portland, Oreg. Filed Oct. 7, 1918. Serial No. 257,285. Renewed July 19, 1921. Serial No. 485,844. 1 Claim. (Cl. 198—162.)



In a harvesting machine, an oscillatable frame; two pairs of sprockets mounted within said frame; a flexible member operating upon each pair of said sprockets and through grooves in said frame; yieldable means for holding adjacent sprockets of each pair in close relationship; and yieldable guides within certain of said grooves for the purpose of preserving yieldable relationship between adjacent portions of said flexible members.

1,405,886. DEVICE FOR JOINING RAILS. WILLIAM D. YOCUM, Wetumka, Okla. Filed July 30, 1921. Serial No. 488,665. 2 Claims. (Cl. 238—46.)

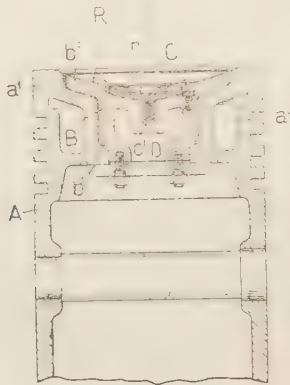


1. A device of the class described embodying a pair of rail clamping heads each comprising a body, a fixed clamping jaw carried thereby, spaced ribs upon the body interrupted for a portion of their length, a clamping jaw slidable upon the body with relation to the fixed jaw and having means for inter-locking engagement with the ribs, the said movable jaw, when moved to position with the said means thereof located at the point of interruption of the ribs upon the body, being separable from the body, and means cooperating with the bodies of the two heads and with the movable jaws thereof to relatively adjust the bodies and the said jaws respectively.

1,405,887. PISTON FOR INTERNAL-COMBUSTION ENGINES. OTTO ALT, Kiel, Germany, assignor to Fried. Krupp Aktiengesellschaft, Germaniawerft, Kiel-Gaarden, Germany. Filed Nov. 25, 1921. Serial No. 517,758. 5 Claims. (Cl. 74—108.)

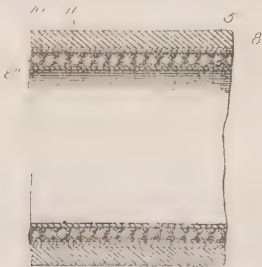
1. In a piston for internal combustion engines the combination with the piston body, of a heat-protecting body

connected to said piston body at the combustion chamber side, and a second protecting body consisting of highly



heat-resisting material and covering the portion of said first-named protecting body which is most exposed to heat.

1,405,888. TIRE. LELAND T. BAILEY, Lynchburg, Va. Filed Aug. 26, 1919. Serial No. 319,870. 2 Claims. (Cl. 152—8.)



1. In a tire, the combination of a casing enclosing a resilient, annular member formed of a covered wire helically coiled, and having the convolutions thereof closely arranged, a cord coiled in the external groove formed by the convolutions of the wire, whereby a substantially smooth peripheral bearing surface is formed, the cord acting as a wedge between said convolutions, an overlapping wearing member helically wrapped around said peripheral bearing surface and an inner tube fitting tightly within the convolutions of said member.

1,405,889. SPAR. WALTER HENRY BARLING, Hasbrouck Heights, N. J. Filed Feb. 17, 1921. Serial No. 445,844. 7 Claims. (Cl. 244—31.)



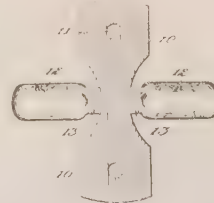
1. An aircraft spar embodying main body members in spaced relation to each other and extending in the same general direction, strut members between said body members and inclined truss members terminally fastened to the side edges of said main body members and said strut members.

1,405,890. AEROFOIL ARRANGEMENT FOR AIRCRAFT. WALTER HENRY BARLING, Hasbrouck Heights, N. J. Filed Feb. 17, 1921. Serial No. 445,845. 5 Claims. (Cl. 244—12.)



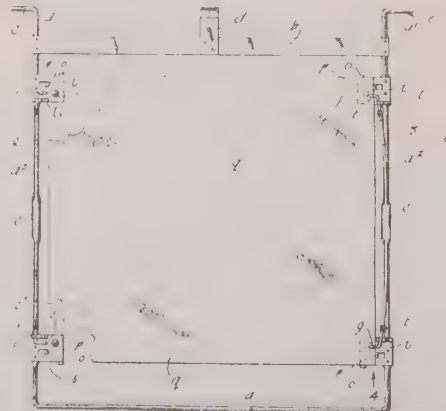
2. In an aircraft, a lower aerofoil, and upper aerofoil in spaced relation thereto, stabilizers at the trailing edges of said aerofoils, and an intermediate aerofoil between said upper and lower aerofoils, said intermediate aerofoil having a chord approximately equal to the chords of the upper and lower aerofoils exclusive of the stabilizers.

1,405,891. CURTAIN-ROD BRACKET. HARRY T. BARNWELL, Ogdensburg, N. Y., assignor to The Newell Mfg. Co. Inc., Ogdensburg, N. Y., a Corporation of Maine. Filed Apr. 27, 1921. Serial No. 464,807. 4 Claims. (Cl. 156—22.)



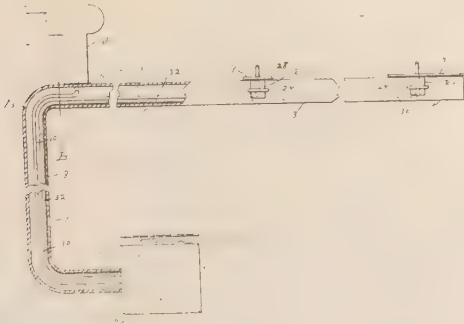
2. A curtain rod bracket comprising a base-plate having its side portions cut away to form a narrow, central section; stamped-up heads, curved in cross-section, projecting laterally from said narrow, central section; and flat, reduced neck-portions of bendable material connecting said heads and central sections.

1,405,892. FILM HOLDER. HENRY BERGER, Jr., Portland, Ore. Filed Mar. 8, 1921. Serial No. 450,566. 13 Claims. (Cl. 95—100.)



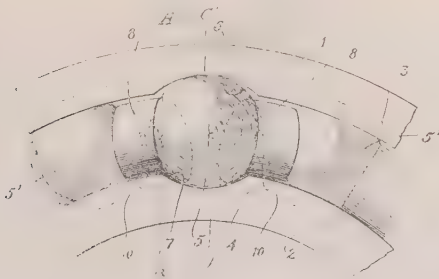
1. A film holder comprising, a skeleton frame provided at each of its four corners with a hemispherical film supporting protuberance, and means for holding the corners of a film on said film supporting protuberances.

1,405,893. AUTOMOBILE SIGNAL DEVICE. WILLIAM BERRY, San Diego, Calif. Filed Aug. 26, 1919. Serial No. 319,938. 3 Claims. (Cl. 116—53.)



1. An automobile signal including, a tube with its one end positioned adjacent the steering wheel of the automobile, and extending upwardly and secured to the side of the wind-shield to above the automobile top, then transversely across, a series of arms hingedly mounted on the top of the transverse portion of said tube, a series of levers mounted at the steering wheel end of said tube and a series of cables in said tubes, each cable being connected with an operating member and an arm so that the movement of the operating member moves the arm into vertical or horizontal positions whereby the positions of the arms may be seen from either side, front, or behind the vehicle.

1,405,894. BALL BEARING PROVIDED WITH AN ENTRANCE OPENING FOR THE BALLS. JOHAN LINUS BORG, Gottenborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden, a Corporation of Sweden. Filed Mar. 5, 1919. Serial No. 280,718. 2 Claims. (Cl. 64—59.)

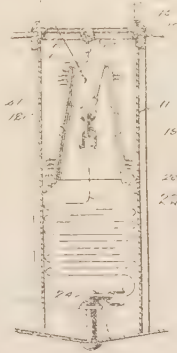


1. In a ball bearing, the combination of races provided with notches forming together an entrance opening, balls between said races, and non-elastic distance pieces between said balls and having a larger extension in radial direction than the distance between the side edges of the races, two of said distance pieces being shaped in such manner that these distance pieces together with a ball placed between the same may be introduced into the bearing by said distance pieces bearing against and turning around two adjacent balls in the bearing without interfering with the edges of said entrance opening.

1,405,895. VESSEL-SALVAGING APPARATUS. CHRISTIAN BUNK and HERMANN F. KUECHLER, Kenosha, Wis. Filed Apr. 14, 1921. Serial No. 461,236. 1 Claim. (Cl. 114—50.)

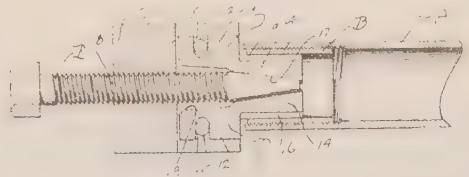
In combination with a vessel, of a casing formed therein, a buoy closing said casing at its upper end, a vertical

disposed conical sleeve within the casing, a cord wound upon the exterior of said sleeve and attached at one end to said buoy, the other end of the cord passing through



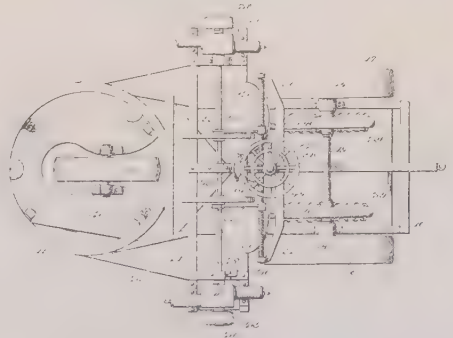
the sleeve and adapted to be attached to a lifting cable coiled within the casing and the latter being attached to the ship.

1,405,896. INSIDE PIPE WRENCH. WILLIAM A. BUTLER, Portsmouth, Va. Filed June 23, 1920. Serial No. 391,121. 4 Claims. (Cl. 81—72.)



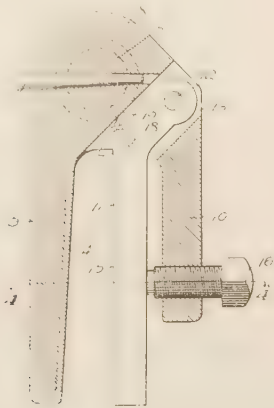
1. In a wrench for removing sections of pipes not accessible to an ordinary wrench, the combination with a wrench head, jaws pivotally and slidably mounted within said head, and having portions projecting from said head provided with teeth, and means for rocking and sliding the jaws whereby the teeth upon said jaws will engage the inner surface of the work.

1,405,897. TRACTOR. ALVAH E. CAIN, Philipsburg, Mont. Filed Sept. 20, 1919. Serial No. 325,064. 9 Claims. (Cl. 180—17.)



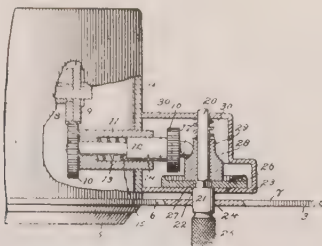
1. A power driven vehicle including a power shaft, independently rotatable drive wheels, drive shafts coupled with said wheels respectively, friction discs carried by said drive shafts, friction wheels upon the power shaft adapted to coact with the discs, means coupled with the friction wheels for simultaneously shifting both of said wheels in the same direction with respect to the discs, means slidably supporting the first means, and means coacting between the first and second means and operable for slidably shifting the first means.

1,405,898. DOG DRIVER. HJALMAR CARLSON, Woodsocket, R. I. Filed Aug. 12, 1919. Serial No. 317,011. 6 Claims. (Cl. 82-40.)



1. In a dog-driver for index heads of milling machines, the combination of means for attachment of the dog-driver to the rotatable element of the index-head, a pair of relatively swinging jaws presenting extended opposed surfaces to receive between them the tails of dogs of various sizes, a pivot connecting said jaws and having its axis lengthwise of said axis of said means, and means adjustably to limit the swinging movement of one of said jaws from the other.

1,405,899. TRIP RESET FOR SPEEDOMETERS. CLARENCE CARSON, New Rochelle, N. Y., assignor to Johns Manville Incorporated, a Corporation of New York. Filed Feb. 24, 1917. Serial No. 150,705. 8 Claims. (Cl. 235-144.)

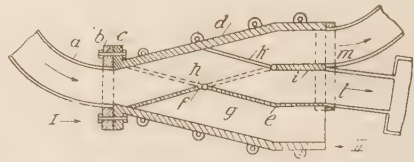


1. A gear clutch controlling attachment for odometers of the type which are complete instruments per se, said attachment including a casing provided with means for attaching the same to the odometer, a shaft mounted in said casing for both longitudinal and rotary movement and having a finger actuating part projecting through the front of the attachment, a cam mounted on said shaft and actuated by the front-to-rear longitudinal movement thereof, an element of a driving connection with the odometer mechanism operatively connected to be driven by the rotary movement of said shaft when shifted rearwardly and a spring housed within said casing and bearing on said shaft normally to maintain the finger actuating part projected forwardly and to maintain the element of the driving connection in an inoperative position.

1,405,900. DEVICE FOR CONTROLLING THE EXHAUST OF MOTOR CARS AND THE LIKE. EDDY CASSALETTE, Berlin-Friedenau, Germany. Filed May 23, 1921. Serial No. 472,000. 1 Claim. (Cl. 137-160.)

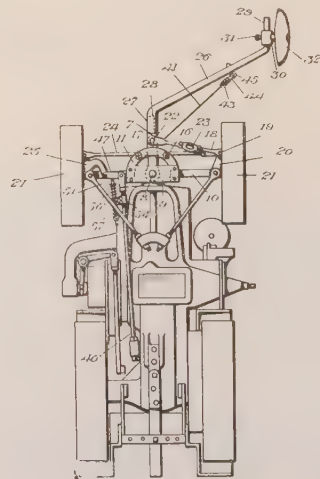
A device for controlling the exhaust of motor-cars and the like, comprising a distributing casing having one inlet for the exhaust gas and three outlets for the same, one

outlet leading to a heating system, one to a silencer and a third to the atmosphere, and two pivoted flap valves arranged in said casing, one valve being arranged nearer the motor than the other and adapted to divert the



gases, wholly or partly, either to the atmosphere or to the other outlets, the second valve being adapted to divert the gases admitted by the first valve, wholly or partly, either to the heating system or to the silencer, substantially as and for the purpose set forth.

1,405,901. COMBINATION STEERING DEVICE AND GAUGE. RAYMOND A. CROSBY and EDD L. COLSON, Wauneta, Nebr. Filed Oct. 6, 1920. Serial No. 415,152. 6 Claims. (Cl. 97-81.)

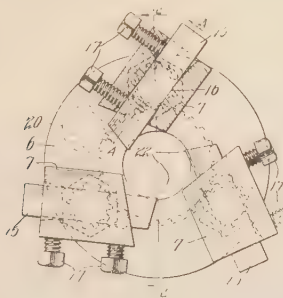


1. A steering device including means attachable to the front axle of a tractor, a forwardly-projecting lever carried by said means, a pilot member connected to said lever, means for connecting said lever to the steering gear of the tractor, upwardly converging bars carried by said first named means and attached together, said pilot member being mounted on the lever for turning movement to raise and lower it, and means connected to one of said bars and pilot member for raising said pilot member.

1,405,902. PROCESS FOR THE PRODUCTION OF A SOLVENT FOR FAT. PAUL DIETZE, Chemnitz, Germany. Filed Jan. 11, 1921. Serial No. 436,607. 2 Claims. (Cl. 87-6.)

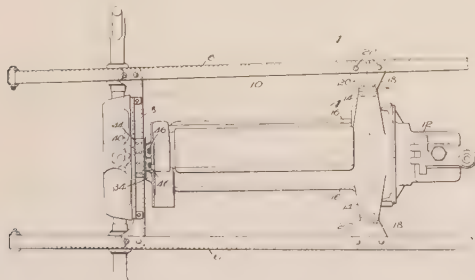
2. Process for the production of a solvent for fat consisting in dissolving in the derivatives of hydrocarbons designed to be used for dissolving the fat, fatty acid in a proportion of 1 to 5% of their weight, and in adding to this solution a mixture of equal parts by volume of a strong alkali solution and alcohol until a clear liquid is produced which gives a uniform emulsion if admixed with water in any proportion.

1,405,903. CUTTER HEAD. JOB S. DILLER, Waynesboro, Pa. Filed Feb. 7, 1921. Serial No. 443,189. 13 Claims. (Cl. 29—105.)



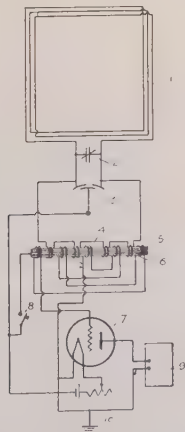
1. A machine tool comprising a shank, a head therefor, tool holders in the head, means for giving adjustment to the tool holders, and individual adjusting means for the tools whereby they may be rocked into various positions within the tool holders, substantially as set forth.

1,405,904. MOTOR VEHICLE. FREDERICK S. DUSENBERG, Elizabeth, N. J. Filed Jan. 4, 1921. Serial No. 434,996. 12 Claims. (Cl. 180—64.)



1. In a motor vehicle, the combination of a frame having a pair of side members, a motor support supported by said side members and presenting an arch-like, segmental portion, and a motor having one end supported by such portion with its shaft substantially concentric therewith and mounted to turn about the axis thereof.

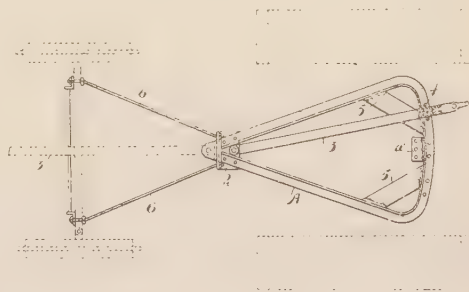
1,405,905. RADIO RECEIVING APPARATUS. FRANCIS W. DUNMORE, Washington, D. C. Filed Feb. 4, 1921. Serial No. 442,528. 16 Claims. (Cl. 250—20.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A radio receiver comprising a coil antenna, a transformer having two windings, one winding being connected

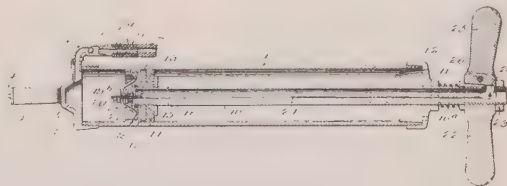
to the terminals of said coil antenna, the other winding being connected to the input circuit of a vacuum tube, each of said windings comprising a plurality of individual sections connected in series, the sections of the primary and secondary windings being alternately arranged.

1,405,906. TRACTOR AND LIKE DRAWBAR. GEORGE H. DYER, San Francisco, Calif. Filed Nov. 26, 1919. Serial No. 340,731. 5 Claims. (Cl. 213—67.)



1. A draft mechanism for tractors and the like including a triangular coupler frame, a draft plate attached to the apex of said frame, said draft plate being located approximately equidistant from the front and rear wheel axes, divergent rods connecting the draft plate with the front axle and supports for the rear end of the coupling frame dependent from the rear tractor frame, and a draft bar pivoted to the draft plate with its rear end extending beyond and movable transversely upon the coupler, and means by which the transverse movement of the draft bar on the coupler may be limited.

1,405,907. AIR PUMP. DANIEL GORDON EDWARDS, Hopkinsville, Ky. Filed Jan. 19, 1920. Serial No. 352,297. 18 Claims. (Cl. 230—27.)



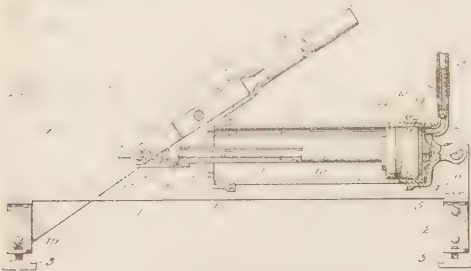
1. In an air pump, the combination with a cylinder and piston, of positively acting mechanical means for causing the piston to expand so as to fit the cylinder tightly during the working stroke, and permitting it to contract so as to slide freely therein during the idle or return stroke.

18. In a pump, the combination with a cylinder and piston, of actuating means for the piston, and mechanical means for expanding the piston into close contact with the cylinder walls during the working stroke, said expanding means comprising an element connected with the actuating means, and shiftable in a direction opposite to that of the piston travel by the initial movement of said actuating means.

1,405,908. RUNNING-BOARD PUMP. DANIEL GORDON EDWARDS, Hopkinsville, Ky. Filed Jan. 28, 1920. Serial No. 354,525. 11 Claims. (Cl. 23—27.)

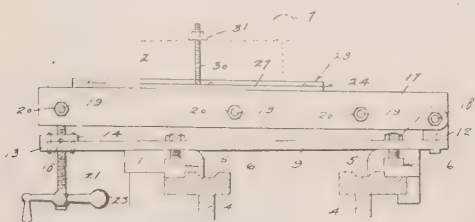
1. In an air pump, the combination with a cylinder and piston, said piston comprising an expansible cup, of a spreader located within said cup, said spreader comprising

a rigid non-yielding member, and means for positively forcing said spreader axially of the pump cylinder during



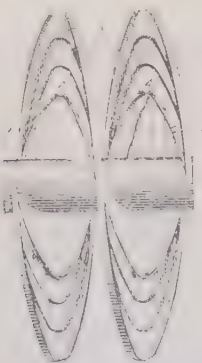
the working stroke of the piston so as to expand said cup into close contact with the walls of the cylinder, and for retracting said spreader during the return stroke.

1,405,909. MILLING AND KEYWAY-CUTTING ATTACHMENT FOR LATHES. WELFORD G. EDWARDS and CLAYTON EDWARDS. Plainview, Minn. Filed June 25, 1920. Serial No. 391,758. 7 Claims. (Cl. 90—21.)



1. An attachment of the kind described comprising a base, a track having one of its ends hinged to the base, an adjusting screw for raising and lowering the other end of the track, a carriage arranged to travel on the track, a work-holding device on the carriage, and means for operating the carriage.

1,405,910. PROPELLER. JOHN BENJAMIN FLOWERS, Albany, N. Y. Filed Sept. 22, 1920. Serial No. 411,979. 6 Claims. (Cl. 170—156.)



1. In a propeller, a shaft, a driving portion of material of low relative thickness formed in two spiral blades of approximately 360° extension each, means connecting said driving portion to said shaft, and adjustable means for balancing the same.

1,405,911. CONNECTION OF UMBRELLA RIBS AND STRETCHERS. SAMUEL S. FRETZ, Sr., Philadelphia, Pa. Filed Apr. 27, 1921. Serial No. 465,010. 2 Claims. (Cl. 135—32.)

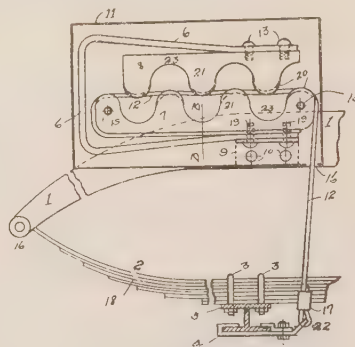
2. In a connection for a U-shaped umbrella rib and a stretcher, a comparatively U-shape member adapted to

straddle a depressed part of said rib at the place of the joint of the stretcher therewith and to have the stretcher mounted thereon, the terminals of the sides of the member having lips inturned towards each other on the inner side



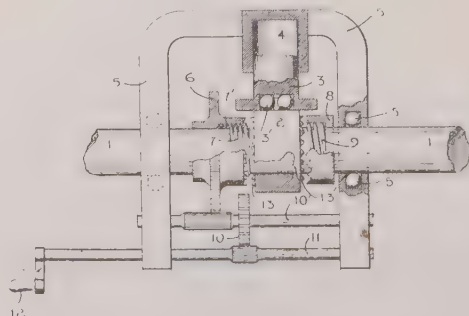
of the rib, and a pivot adapted to form the axis of the stretcher passing through the said sides of the member close to the inner side of the rib and in close proximity to said inturned lips.

1,405,912. SHOCK ABSORBER. CLAUDE M. GARLAND, Chicago, Ill. Filed Aug. 1, 1919. Serial No. 314,628. 14 Claims. (Cl. 267—10.)



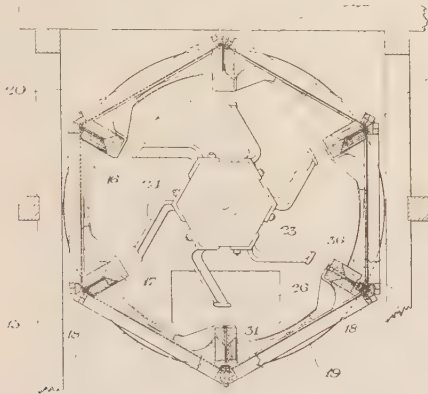
1. In combination with a vehicle frame, an axle and a spring disposed between the axle and frame, a flexible strip, one end whereof is connected to said axle while the other end is connected to said vehicle frame, and a pair of members arranged in opposing relation on opposite sides of said flexible strip and provided with corrugated surfaces adapted to mesh with one another when said members are brought into juxtaposition, and resilient means normally tending to force said members into meshing relation with said flexible strip therebetween.

1,405,913. AIR-COMPRESSION STARTER. WILLIAM C. GARWOOD, Dayton, Ohio, and CARL P. WEBER, Washington, D. C. Filed Jan. 2, 1920. Serial No. 349,104. 5 Claims. (Cl. 123—179.)



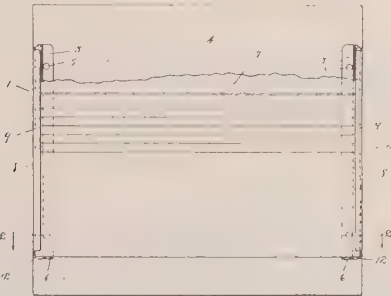
1. The combination with a propeller shaft, of an eccentric normally loose thereon, a compression chamber, a reciprocating actuating piston in said chamber, speed reducing gear for imparting a rotative movement to said eccentric to move the piston to compressing position, and clutch means to automatically connect and disconnect the eccentric with said shaft.

1,405,914. SCREEN DRUM FOR VINERS. FRANK HAMACHEK, Kewaunee, Wis. Filed Apr. 2, 1920. Serial No. 370,702. 9 Claims. (Cl. 130—30.)



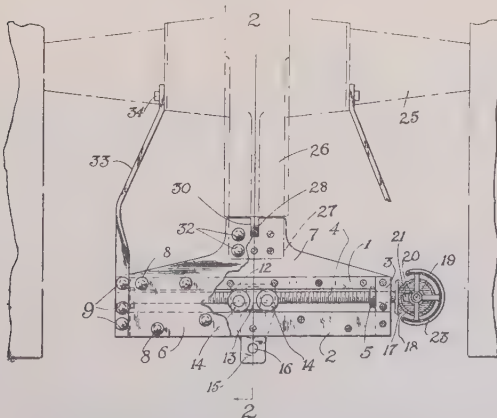
1. In a screen drum for viners, lifting ribs, and screen frames secured to the lifting ribs and provided with screens having screen openings extending within the space between the planes of the opposite sides of the lifting ribs.

1,405,915. UNIVERSAL CARD HOLDER. FRED HASKEL, Detroit, Mich. Filed Jan. 17, 1919. Serial No. 271,596. 3 Claims. (Cl. 40—64.)



1. A card holder comprising a pair of spaced card-holding members, each member comprising an attaching portion having a laterally offset card-receiving portion extending from its outer edge whereby the card will cover the attaching portion and will be spaced therefrom.

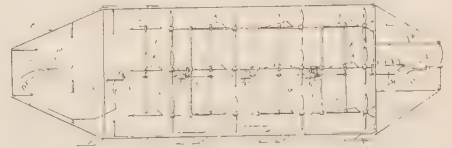
1,405,916. ADJUSTABLE TRACTOR HITCH. WILLIAM B. HERNAN, Columbus, Ohio. Filed Feb. 5, 1921. Serial No. 442,680. 2 Claims. (Cl. 213—67.)



1. An adjustable tractor hitch comprising front and rear pairs of spaced guide members, a threaded shaft opera-

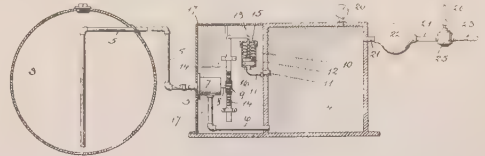
tively mounted between said guide members, a block operatively mounted upon said threaded shaft, spaced pairs of rollers upon the upper and lower sides of said block positioned to engage the rear guide members, a draw bar rigidly connected to the block and extended between the rear guide members and plates connected to the upper and lower sides of said guide members and arranged to be attached to the upper and lower sides of the hitch portion of a tractor.

1,405,917. AEROPLANE. GEORGE A. HENDERSON, St. Albans, W. Va. Filed Apr. 17, 1918. Serial No. 229,146. 1 Claim. (Cl. 244—14.)



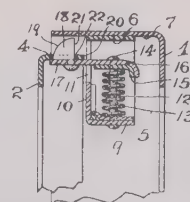
An aeroplane comprising a plurality of sets of superposed aerofoils arranged in tandem, superposed motor driven propellers located in advance of the aerofoils acting to create tractive forces and to provide a series of paralleling air currents in combination with means for changing the inclination of the aerofoils and the direction of the aeroplane.

1,405,918. GAS-SUPPLYING SYSTEM FOR AUTOMOBILE ENGINES. ARTHUR H. HEATZMAN, Baltimore, Md., assignor of two-fifths to William C. Ludwig, Baltimore, Md. Filed Apr. 12, 1918. Serial No. 228,247. 2 Claims. (Cl. 48—191.)



1. The combination with a reservoir, of a connection with said reservoir for constantly supplying a gas fuel to said reservoir; a valve device in said connection; an outlet connection from the reservoir to a point of use,—said reservoir being of a considerably greater capacity than and interposed between the two connections whereby to form an intermediate gas-supply and temporary storage receptacle for the gas; a cylinder containing a piston; connections between the cylinder and the reservoir which latter connections are separate from and independent of the supply and outlet connections of the reservoir; and means actuated by the said piston and connected to the said valve in the supply connection whereby to operate the valve by the variations in pressure in the intermediate reservoir.

1,405,919. BAG-FRAME LOCK. JOSEPH S. ISIDOR, Newark, N. J., assignor to The R. Neumann Hardware Co., a Corporation of New Jersey. Filed Oct. 7, 1920. Serial No. 415,269. 5 Claims. (Cl. 70—2.)



1. In combination with the outer and inner frame-sections of a bag-frame, said inner frame-section having a

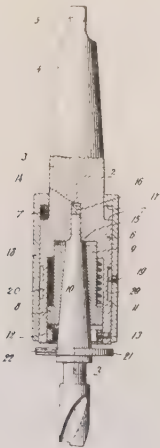
non-obstructed longitudinally extending marginal edge and being provided with a receiving opening located back of said longitudinally extending marginal edge of said inner frame-section, a bag-frame lock mounted upon the inner surface of said outer frame-section, a bridge-plate movably disposed the shell of said lock, and means connected with and extending laterally from said bridge-plate adapted to enter the receiving opening in said inner frame-section, for maintaining a closed relation of said frame-sections.

1,405,920. ALUMINUM ROLLING PIN. HARRY E. KERR and EDWARD C. AHLHEIM, Cleveland, Ohio, assignors to The Ahlheim Company, Cleveland, Ohio. Filed Nov. 11, 1920, Serial No. 423,422. Renewed Dec. 24, 1921. Serial No. 524,743. 4 Claims. (Cl. 107—50.)



1. An aluminum rolling pin, comprising a smooth aluminum tube having separate end-closure caps screw-engaged therewith, each cap having a hub and a projecting stem, a nut having a boss affixed to the outer end of each stem, and a handle rotatably supported upon the respective hubs and bosses associated with said stems.

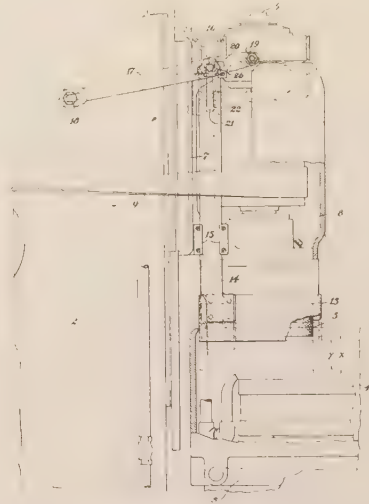
1,405,921. DRILL CHUCK. ABRAHAM KIPNISS, Arverne, N. Y., assignor to Progressive Machine and Metal Products Co., Inc., a Corporation of New York. Filed Feb. 26, 1919. Serial No. 279,346. 4 Claims. (Cl. 279—103.)



1. A tool chuck comprising a main body having a hollow cylindrical outer part, a tool-centering socket freely rotatable and longitudinally slidable within said hollow main body part and having a tapered bore adapted to receive the tapered shank of a tool, a spring within said hollow main body part tending to move said socket outward against the working thrust of the tool and into tool-holding engagement with the tapered shank of the tool, said main body part of the chuck having transversely therethrough a longitudinally slotted opening adapted to receive the flattened end of the tool shank for thereby transmitting rotation to the tool, a tool-ejecting member extending through said slotted opening in engagement with the inner end of said tool shank and at its opposite ends projecting laterally from said slotted opening in the main body part of the chuck, and a knockout sleeve within which said main body part is adapted to rotate and mounted thereon for longitudinal movement and

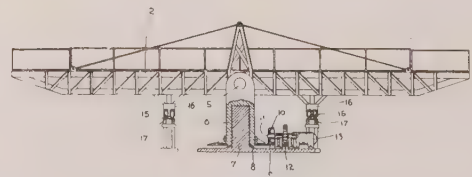
adapted in such longitudinal movement to strike against the projecting ends of said tool-ejecting member for thereby disengaging the tapered shank of the tool from said socket.

1,405,922. WHEEL GUARD FOR GRINDING MACHINES. CARROLL KNOWLES, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 26, 1921. Serial No. 448,189. 8 Claims. (Cl. 51—268.)



3. In a grinding machine, the combination of a work support, a grinding wheel adjacent the support, a guard adjacent the wheel, and automatic means for moving the guard away from the support at a diminished speed relative to the movement of the wheel as the wheel is moved away from the support.

1,405,923. AMUSEMENT DEVICE, (REVOLVING WALKING BEAM.) ERNEST KOHLER, Denver, Colo., assignor to The United Mines and Manufacturing Company, a Corporation of Arizona. Filed Aug. 28, 1919. Serial No. 320,391. 3 Claims. (Cl. 46—27.)

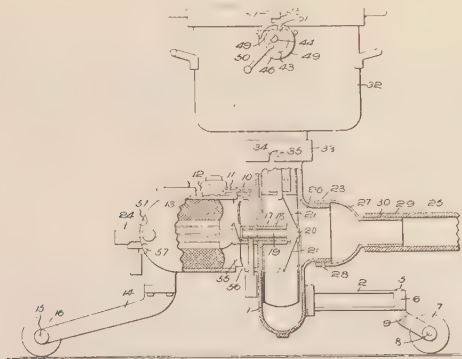


1. In an amusement apparatus an upright revoluble bearing, a rigid beam-like member revoluble with said bearing and fulcrumed between its ends so as to oscillate vertically, passenger accommodations at each end of the beam, and a passenger aisle extending along the beam, and means to revolve and oscillate said beam.

1,405,924. MOBILE SUPPORT FOR SUCTION CLEANER APPARATUS. CHARLES D. LANNING, Boston, Mass. Original application filed Nov. 24, 1916, Serial No. 133,238. Divided and this application filed May 13, 1918. Serial No. 234,357. 4 Claims. (Cl. 15—60.)

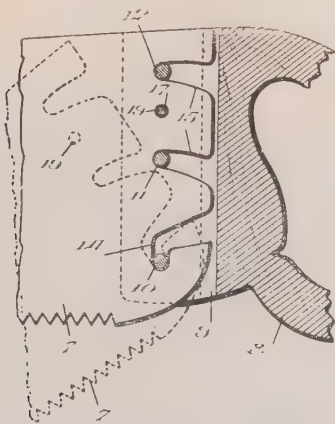
1. A mobile suction cleaner having a connected, flexible suction or intake pipe, whereby draft is applied to move the cleaner about the floor, said cleaner having a fan, a motor therefor, and means to collect the intaken dirt-laden air, and a three point roller support for and constituting a part of said cleaner, comprising a single

roller movable only upon its own axis, said roller extending substantially rearwardly of the cleaner and positioned on the longitudinal axis of said cleaner, and two forward rollers pivoted substantially forwardly of the point of connection of the intake pipe to the cleaner and on a line at right angles to the longitudinal axis of the cleaner and equidistant from said longitudinal axis, each



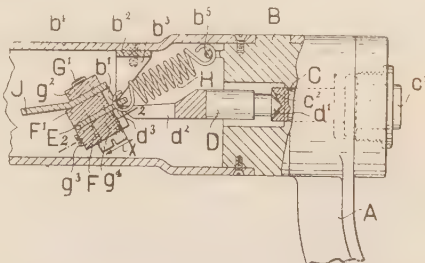
of said two forward rollers being movable upon its own axis and also upon an upright axis, the sides of the triangle formed by the points of contact of said rollers with the floor lying outside the fan and motor casing of the cleaner, whereby the cleaner may freely follow the movements of the said connected intake pipe by swinging at its front end about the point of contact of said single roller as a pivot.

1,405,925. SAW HANDLE AND BLADE CONNECTION. CHARLES LARSON, Burlington, Iowa. Filed Feb. 28, 1921. Serial No. 448,416. 2 Claims. (Cl. 145—113.)



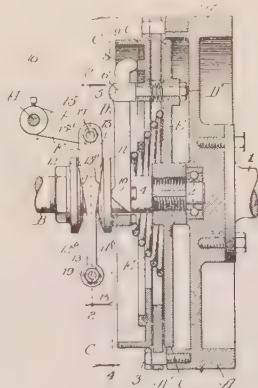
2. An implement comprising a handle having a kerf, rivets extending transversely through the handle and across said kerf, a blade having an end to fit in said kerf, having a bayonet slot extending from said end to engage one of said rivets and another slot extending from said end to engage the other rivet, the tail of the bayonet slot extending transversely of the blade and the second-named slot being curved around a point within the tail of the bayonet slot for the entrance of the second named member, so that when the blade is inserted in said kerf and the first named rivet engaged in the tail of the bayonet slot, the handle and blade can be swung together to bring the second named rivet in the second named slot, and a leaf spring secured flatly to one side of the handle by one of said rivets and having a pin slidable transversely in the handle to engage through said blade for preventing the handle and blade from swinging apart.

1,405,926. MEASURING INSTRUMENT. KARL LAUER, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Feb. 14, 1921. Serial No. 444,982. 7 Claims. (Cl. 33—174.)



1. A block for measuring instruments comprising a strip and two elements one on each side of said strip, and means for adjusting one of said elements independently of the other element.

1,405,927. CLUTCH MECHANISM. JACOB LAUTH, Chicago, Ill. Filed Feb. 14, 1920. Serial No. 358,719. 5 Claims. (Cl. 192—68.)



1. In clutch mechanism, the combination of a shaft, a clamping-member secured on one end thereof and equipped with fulcrum members, a second shiftable clamping-member, levers mounted on said fulcrum members and having short arms engaging the shiftable clamping-member and having long arms extending towards the shaft, a spring interposed between said levers and said first-named clamping-member, a wheel equipped with a clutch member which extends between said clamping-members, and means connected with said shaft for actuating said levers to effect release of the clutch.

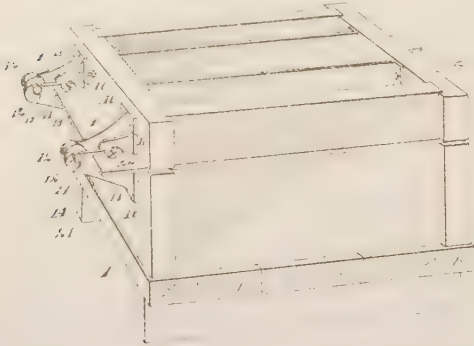
1,405,928. THIMBLE. RUBY LUSE, (now by marriage Ruby Luse Claar,) Chicago, Ill. Filed Aug. 23, 1920. Serial No. 405,368. 2 Claims. (Cl. 223—51.)



1. A thimble device comprising a ring member of a diameter to fit the base of the thimble finger and pro-

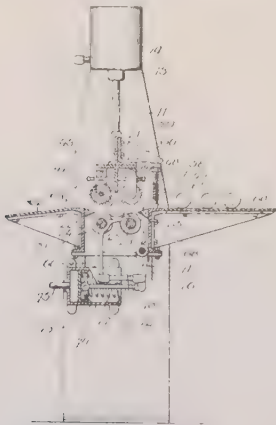
vided with a fixed thimble member disposed transversely to the plane of the ring member and laterally therebeyond to adapt it to overlie the palm of the hand at base of the thimble finger, said thimble being convexly rounded in its part that overlies and engages the palm.

1,405,929. APPLIANCE FOR FOUNDRY MOLDS. HARRY McCORMEL, Laporte, Ind. Filed May 9, 1919. Serial No. 295,892. 4 Claims. (Cl. 22—105.)



1. In combination with a foundry mold, a pattern plate; flanges on said plate adapted to be engaged between the cope and the drag, one of said flanges being slotted adjacent opposite ends; axes secured to said flange and traversing said slots; means co-operating with said axes, whereby the cope and said plate are adapted to swing vertically on said axes; and secondary axes secured to said cope, co-operating with said means upon which said cope is adapted to swing, said cope swinging clear of said axes upon said secondary axes coming into contact with said means, substantially as described.

1,405,930. TUBE CLEANER. JOHN THOMAS McGRATH, Bloomington, Ill. Filed Oct. 27, 1920. Serial No. 419,889. 24 Claims. (Cl. 29—81.)

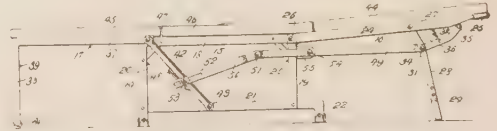


1. A tube cleaning machine comprising driving and supporting elements for a tube, cutter elements movable towards and from the driving and supporting elements, and a throw-out means normally below the working position of the tube in the machine for discharging a cleaned tube from the machine when the cutter elements are out of operative position.

1,405,931. CONVERTIBLE CHAIR AND COUCH. JUDSON L. MCKELLAR, Brooklyn, N. Y., assignor to Gasau-Thompson Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed July 1, 1921. Serial No. 481,749. 5 Claims. (Cl. 5—48.)

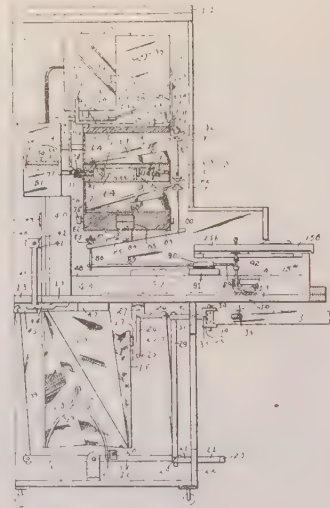
1. In a convertible chair and couch, a main frame comprising a middle or seat-section having rigid front and

rear legs, a head-section pivoted to the rear part of said middle section and having pivoted rear supporting legs and a front or foot-section having front supporting legs and being open at its rear end to slide over said middle section, actuating levers pivotally connected with the legs of the head section and with the rear portion of said middle section, lever-bars pivoted at their upper ends to the rear portion of said front section and at their lower



portions to the lower portion of said middle section and links connecting said lever bars with the forward ends of said actuating levers, whereby on the movement of said head section said actuating levers may move said rear supporting legs and, through said links, said lever bars to slide said front section outwardly to couch position or inwardly over said middle section to chair position.

1,405,932. PNEUMATIC ORGAN PLAYER. CHARLES MEIER, Haverhill, Iowa. Filed May 8, 1919. Serial No. 295,755. 4 Claims. (Cl. 84—84.)

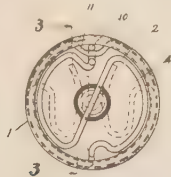


1. An automatic player attachment for reed organs of the class having vacuum creating means, said attachment comprising bellows, means for operating the bellows simultaneously with the vacuum creating means of the reed organ, an air motor operated by the air flowing to the bellows, a valve arranged between the air motor and the bellows for controlling the passage of air to the bellows, a perforated sheet feeding device, operated by the said air motor, and means controlled by the air passing through the perforations of the sheet for actuating the organ keys.

1,405,933. SNAP FASTENER. ROBERT J. MULVEY, Chicago, Ill. Filed July 24, 1920. Serial No. 398,691. 3 Claims. (Cl. 24—218.)

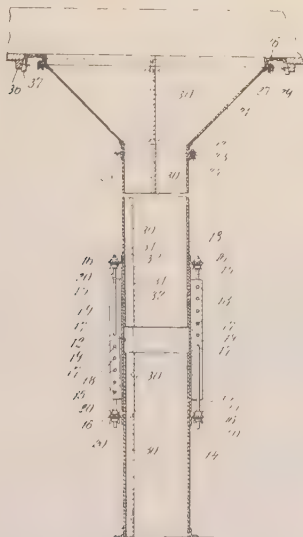
1. A device of the class described comprising a disc having a cup-shaped socket in the center thereof and an intumed outer edge forming a shoulder; fastening

means held in position by said shoulder; locking means mounted upon the shoulder of said in-turned edge; and a



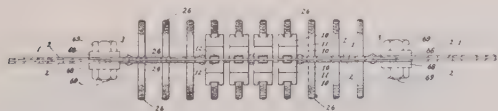
metallic plate encompassing the socket and separating the locking means from the fastening means, substantially as described.

1,405,934. COLUMN MOLD. FRIDOLF OLSON, Brooklyn, N. Y. Filed Sept. 5, 1919. Serial No. 321,765. 9 Claims. (Cl. 25—131.)



1. A longitudinally extensible column mold comprising an intermediate tubular mold section and tubular sections telescopically engaged with the opposite end portions of the same, an outstanding longitudinally extending rib on the intermediate section provided with a series of spaced shoulders, abutments on the end sections, and links adjustably connected between said abutments and selected shoulders on the rib for adjusting the relation between the intermediate mold section and the sections at the opposite ends of the same.

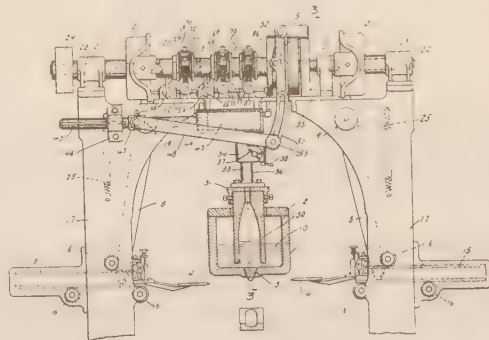
1,405,935. MOUNTING PLATE FOR ELECTRICAL PROTECTIVE APPARATUS. FREDERICK R. PARKER, Chicago, Ill. Filed June 1, 1915, Serial No. 31,487. Renewed June 17, 1921. Serial No. 478,457. 30 Claims. (Cl. 175—304.)



1. A mounting plate for electrical protective apparatus, comprising three metal plates placed together broad-sidedly, and bolts extending through all of the plates along one edge of the mounting plate for mounting parts of the apparatus onto opposite sides of the mounting plate, each outer plate having a row of tongue portions formed thereon along the opposite edge of the mounting plate

for preventing lateral displacement of protective devices, the middle plate extending along between the rows of tongue portions of the outer plates.

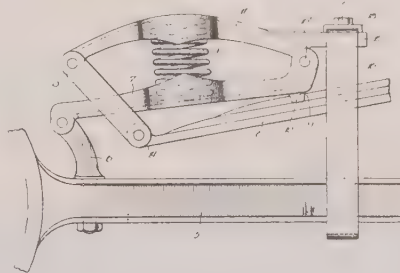
1,405,936. APPARATUS FOR FEEDING MOLTEN GLASS. KARL E. PEILER, West Hartford, Conn., assignor to Hartford-Fairmont Company, Canajoharie, N. Y., a Corporation of New York. Filed July 17, 1920. Serial No. 396,935. 10 Claims. (Cl. 49—55.)



6. In an apparatus for separating molten glass into mold charges, the combination of a glass container having an outlet, pressure generating means, a conduit connecting the pressure generating means and the glass, by which impulses are transmitted to the glass in the outlet, and independent means for limiting the duration of the application of pressure to the glass.

9. In an apparatus for separating molten glass into mold charges, the combination of a glass container having a submerged outlet, a reciprocating air pump arranged to create pressure and vacuum on alternate strokes, a conduit connecting the pump and the surface of the glass, a pressure relieving valve and a vacuum relieving valve in the conduit, a cam for opening each valve, means for relatively adjusting the cams, and means for independently adjusting the rate at which normal pressure is restored by each valve.

1,405,937. SHOCK ABSORBER. PETER PETRI, Lacon, Ill. Filed Apr. 13, 1921. Serial No. 461,086. 7 Claims. (Cl. 267—17.)



1. A shock absorber adapted for use in association with a vehicle spring and fixed spring shackle, comprising a lever pivotedly associated with the shackle and bearing on said spring, a second lever pivotedly connected to the free end of the first lever, the second lever extending adjacent the first lever, a spring interposed therebetween, and means connecting the free end of the second lever to the vehicle spring.

1,405,938. BRUSH AND METHOD OF MAKING SAME. GEORGE BASMESEN, Jr., Winnetka, Ill. Filed Apr. 3, 1919. Serial No. 287,144. 9 Claims. (Cl. 15—32.)

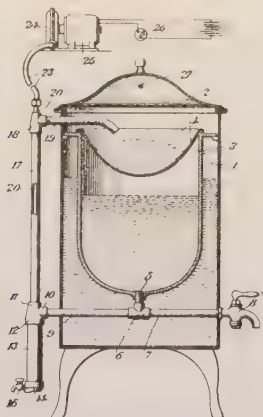
1. A brush, comprising a tuft of bristles formed of a bunch of wires doubled upon themselves and the free

ends of said bristles bent away from each other, some in one direction and some in another, adjacent to the doubled-over part and thereby causing the free ends of said wires



to extend outwardly away from each other with the abrading ends thereof disposed substantially in the form of an annulus, and a stock for supporting said tuft of bristles.

1,405,939. COFFEE PERCOLATOR. GILBERT RATHMAN, New York, N. Y., assignor of two-fifths to James A. Brown and one-fifth to William Hodgkinson, New York, N. Y. Filed July 12, 1921. Serial No. 484,021. 5 Claims. (Cl. 53—3.)



1. The combination with a coffee percolator of repouring means comprising a closed well connected with the extract receptacle of the percolator and located below the level of the lower end of said receptacle, a vertical pipe depending into said well, an air supply pipe extending downward through said vertical pipe, a branch pipe leading from said vertical pipe at a point above the well to a point over the extract receptacle of the percolator, and means for supplying air under pressure to the upper end of the air supply at will.

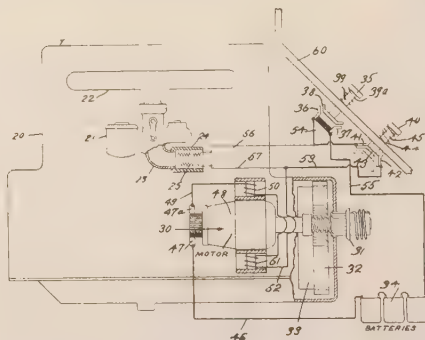
1,405,940. METHOD FOR DETERMINING THE QUANTITY OF AN APPROPRIATE CHEMICAL THAT SHOULD BE ADDED PER UNIT OF VOLUME OF WATER IN ORDER TO FIT IT FOR USE IN THE ARTS. CYRUS WM. RICE, Philadelphia, Pa. Filed July 26, 1918. Serial No. 246,829. 8 Claims. (Cl. 210—16.)

1. The method of ascertaining the quantity of an appropriate chemical per unit of volume that should be added to remove hardness from a water supply, which consists in adding a measured quantity of a hardness removing chemical in excess of the quantity required to remove the total hardness from a measured sample of such water, separating the resultant precipitate from the liquid by filtration, titrating the filtrate against two indicators of which the first indicates the quantity of the chemical unused and the second indicates the sum of the quantity unused and the quantity used in destroying temporary hardness and thus finding the necessary factors for ascertaining the result, substantially as described.

1,405,941. SURFACING COMPOSITION AND METHOD OF PRODUCING SAME. WILLIAM B. ROBESON, Port Huron, Mich. Filed Aug. 25, 1921. Serial No. 495,360. 32 Claims. (Cl. 134—26.)

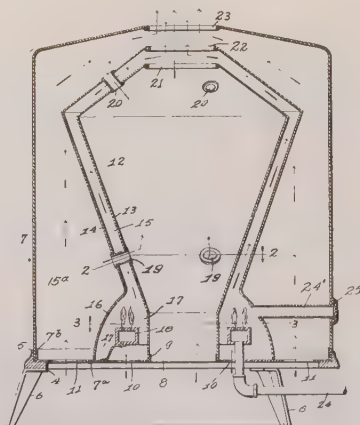
5. A liquid slating composition comprising a mixture of paracoumarone resin, Montan wax, and pitch, said mixture being combined with a thinning oil and a substance including silicon.

1,405,942. STARTING SYSTEM. ELMER H. SCHWARZ, Glen Rock, N. J., assignor to the Dayton Engineering Laboratories Company, Dayton, Ohio. Filed July 5, 1918, Serial No. 243,319. Renewed Oct. 4, 1919. Serial No. 328,606. 2 Claims. (Cl. 290—38.)



1. In an engine starting system, the combination with an internal-combustion engine having an intake; of a starting motor adapted to be connected with the engine; an electric heating unit in the intake; a battery; a normally closed pedal switch for short-circuiting said heating unit; and connections between said battery, motor and pedal switch including a normally open pedal switch.

1,405,943. HEATER. GEORGE W. SHARP, St. Louis, Mo. Filed June 14, 1919. Serial No. 304,128. 1 Claim. (Cl. 126—90.)



A gas heater comprising a base having an upturned flange, a bottom provided with a peripheral flange and with a central opening having a surrounding flange and a series of openings setured to said base, a drum mounted on said base and seated between the upturned flange of the base and the peripheral flange of the bottom, a double walled heating chamber in the form of a double truncated cone located within the drum and forming a warming circulating chamber between its outside surface and inside surface of the drum, the inner wall of said heating chamber being seated on the bottom and fitted around the flange of the central opening formed on said bottom, the lower portion of the outer wall of

the heating chamber being flared outwardly so as to form a circular combustion chamber between the walls of the heating chamber, a gas burner located within the combustion chamber and surrounding the inner wall of the heating chamber, an enclosed igniting passage extending through the drum and outer wall of the heating chamber, a closure for said igniting passage, a series of upwardly inclined closed passages extending radially through the walls of the heating chamber adjacent the combustion chamber, and series of similar inclined passages extending through the walls of the heating chamber adjacent the top thereof, said passages affording direct communication between the interior of the heating chamber and the warming and circulating chamber surrounding the heating chamber, and aligned openings formed in the top of the drum and in the upper portions of both walls of the heating chamber so as to provide an uninterrupted central air passage from and through the bottom of the heater to the top thereof and as an uninterrupted outlet for the heated air in the combustion chamber before its final discharge.

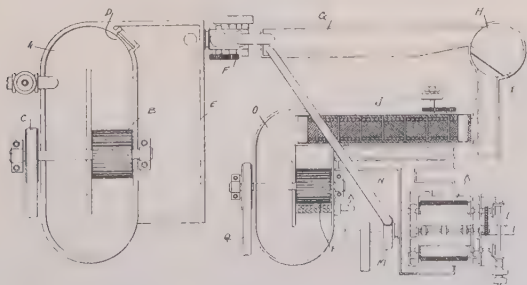
1,405,944. PROCESS OF MANUFACTURING PAPER PULP. CHARLES W. SHARTLE, Middletown, Ohio, assignor to The Shartle Continuous Beater Company, Middletown, Ohio, a Corporation of Ohio. Filed Apr. 23, 1919. Serial No. 292,149. 5 Claims. (Cl. 92—20.)

1. In the manufacture of paper pulp, the herein described process consisting in reducing the raw material to an initial consistency, in moving said mass of material through a process of separation whereby the fine portion thereof will be separated from the mass and immediate output made thereof, in delivering that portion of said material remaining over to a separate and finer process of reduction and separation in repeated sequence whereby said remaining portion will be reduced to required consistency and a separate output made of it.

1,405,945. PROCESS OF MANUFACTURING PAPER PULP. CHARLES W. SHARTLE, Middletown, Ohio, assignor to The Shartle Continuous Beater Company, Middletown, Ohio, a Corporation of Ohio. Filed Apr. 23, 1919. Serial No. 292,155. 7 Claims. (Cl. 92—20.)

1. In the manufacture of paper pulp, the herein described process consisting in reducing the raw material to initial consistency, in subjecting the material so reduced to a settling operation whereby foreign substances are separated therefrom, in subjecting the material to a slushing operation whereby water will be extracted therefrom, in then subjecting it to a second reducing operation by which the material will be reduced to final consistency; and in floating the material which has reach final consistency to cause a continuous overflowing thereof to form a supply of finished pulp.

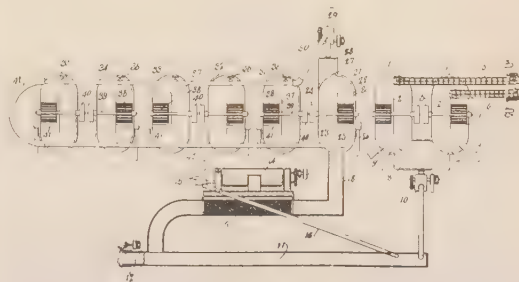
1,405,946. PROCESS FOR MAKING PULP USED IN THE MANUFACTURE OF PAPER. CHARLES W. SHARTLE, Middletown, Ohio. Filed June 17, 1920. Serial No. 389,583. 2 Claims. (Cl. 92—20.)



1. The herein described process for producing a dual product from common stock consisting of subjecting a

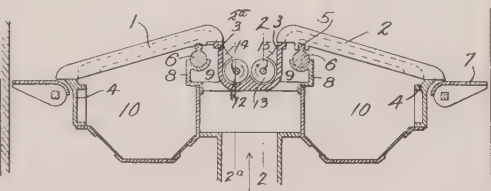
quantity of heterogeneous stock to a breaking operation in water, in then subjecting the coarsely reduced material to a settling operation in water, in then subjecting the lighter particles which have not settled to a screening operation, in subjecting the resulting screenings to a thickening operation by which the surplus water is drawn off and the residuum mass is left to constitute paper pulp derived from the softer material in the stock, in separately subjecting the tailings from the screening operation to a beating operation and a concurrent further screening step by which the finer portions are separated as produced and which constitute the paper pulp derived from the harder material in the stock.

1,405,947. APPARATUS FOR MANUFACTURING PULP. CHARLES W. SHARTLE, Middletown, Ohio. Filed July 12, 1920. Serial No. 395,527. 3 Claims. (Cl. 92—20.)



1. In a pulp making apparatus, the combination, with a plurality of breakers, a settling trough, a screen, and a thickener to produce a finished product and tailings, of a succession of beaters, the first of which is connected to receive said tailings, and means to deliver the stock from the first beater to the successive beaters, each beater having discharge means for the withdrawal of its finished product.

1,405,948. SCREW-FEED STOKER. JOHN S. SKELLY, Monongahela, Pa., assignor to Combustion Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 19, 1919. Serial No. 339,122. 6 Claims. (Cl. 110—44.)

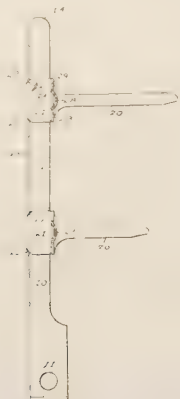


6. A stoker furnace having in combination a single chamber retort, two feed screws therein extending the length thereof and juxtaposed so as to be closely adjacent to one another, gears connecting the screws so as to cause them to turn in opposite directions, a hopper discharging directly over the outer ends of the screws, and means for rotating said gears.

1,405,949. GRIPPER FOR PRINTING PRESSES. ROBERT T. SNELL, Cleveland, Ohio. Filed Dec. 10, 1920. Serial No. 429,675. 4 Claims. (Cl. 101—408.)

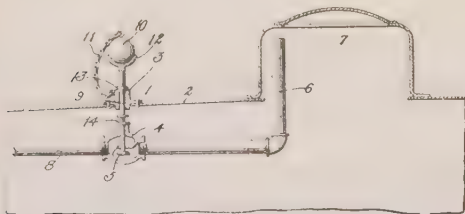
1. In combination, a gripper bar having a series of sawtooth serrations along one side thereof, a finger slidably mounted on the bar, said finger having a body portion and an extended portion, the body portion extending around the bar and having two detents disposed in opposite directions and in engagement with the serrated portion of the bar, said detents being disposed adjacent the

ends of the body portion and formed integral therewith, said body portion having notches adjacent the smooth side of the bar, and a spring intertwined between said



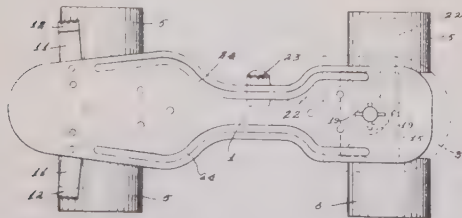
notches for holding the detents in engagement with the bar, said spring having the ends thereof in abutting engagement with said bar.

1,405,950. AUTOMATIC SHUT-OFF FOR LOCOMOTIVE STEAM PIPES. HAL R. STAFFORD, North Plainfield, N. J.; Mary M. Stafford administratrix of said Hal R. Stafford, deceased. Filed Nov. 17, 1919. Serial No. 338,635. 2 Claims. (Cl. 137—140.)



1. The combination with the boiler shell, dome and dry pipe leading from the dome to the turret of a locomotive, of a valve in the dry pipe located at a point intermediate the dome and the turret and displaceable means extending through the boiler shell normally holding said valve in open position, said means being adapted to be displaced to permit closure of the valve upon shock or accident to the locomotive.

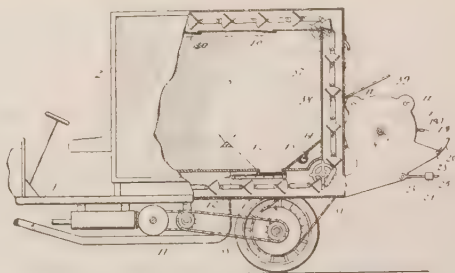
1,405,951. SKATE-ATTACHING MEANS. OCTAVE J. ST. PIERRE, Chicago, Ill. Filed Oct. 23, 1920. Serial No. 419,087. 1 Claim. (Cl. 46—51.)



In a skate, a boot, the heel of said boot having a recess, a plate permanently secured to the heel covering said recess, said plate having a hole with extensions, whereby the hole is longer in one direction than in a direction at

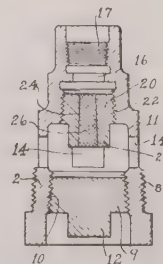
right-angles thereto, a boot-supporting plate including a heel portion and a sole portion, clamps permanently secured to the sole portion in non-adjustable position to engage the edges of the sole of the boot, a stud rotatably mounted in said heel portion of the boot-supporting plate, said stud having a head with lateral projections fitting the projections of said hole, whereby said head in one position of said stud is adapted to pass through said hole and in other positions of said stud cannot pass through said hole, said stud extending below said boot-supporting plate, a lever secured to the lower part of said stud, the stud being adapted to be rotated by movement of the lever, and a corrugation at the edge of said boot-supporting plate adapted in the position of the lever corresponding to securing position of the stud to engage the distal end of said lever to retain the same in said position.

1,405,952. METHOD OF COLLECTING AND TRUCKING GARBAGE. EDWARDS B. STUART, Chicago, Ill. Filed Aug. 24, 1916. Serial No. 116,725. 4 Claims. (Cl. 71—6 :)



1. The improved method of collecting and trucking garbage, which consists in collecting the garbage at a plurality of residences, conveying the collected garbage from one residence to another in succession, and automatically comminuting and accumulating said garbage while being conveyed from one residence to another.

1,405,953. LOW-WATER ALARM. JOHN G. TALMAGE, Cleveland, Ohio, assignor to Herman B. Thurston, Pittsburgh, Pa. Filed June 11, 1920. Serial No. 388,128. 12 Claims. (Cl. 122—504.1.)

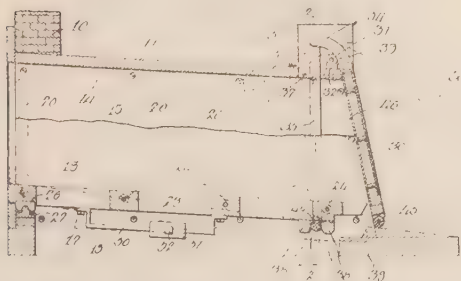


1. A hollow socket member having two internal threads, and having a chamber between said threads, an aperture extending through the wall of the socket member to said chamber, two aligned plugs, each engaging one thread, said chamber extending to said plugs, one of said plugs having a discharge opening and fusible material in said opening, said aperture communicating with the exterior of the member and with the interior of a boiler, and the other plug closing communication with the firebox.

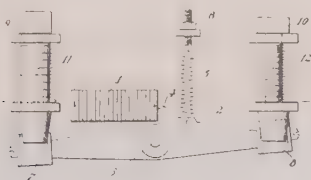
1,405,954. PROCESS FOR UTILIZING WASTE LIQUOR.

CHARLES J. THATCHER, New York, N. Y. Filed Jan. 24, 1920. Serial No. 353,741. 8 Claims. (Cl. 23—24.)

2. The process of oxidizing with spent liquors from previous operations, which comprises adding a substance to be oxidized to a suitable portion of spent liquor from a previous operation, oxidizing a further portion of the spent liquor and adding same to the mixture of spent liquor and substance to be oxidized.

1,405,955. AUTOMATICALLY-CLOSING CHUTE. JOHN C. THILL, Fox Lake, Ill. Filed Apr. 18, 1921. Serial No. 462,470. 5 Claims. (Cl. 193—46.)

1. The combination of walls forming a substantially tight chute having an intake opening and an outlet opening, an upwardly-and-downwardly swinging bottom in said chute, said bottom extending from near the intake opening downwardly toward the outlet opening, a movably mounted door normally closing the outlet of the chute, and means operatively connected to said bottom and to said door for holding the bottom in an elevated position when the door is closed and for opening the door when said bottom descends under the weight of an object moving through the chute on said bottom.

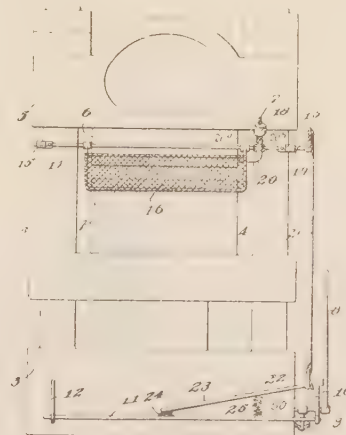
1,405,956. ELECTRIC REGULATOR. WILLIAM A. TURBAYNE, Niagara Falls, N. Y., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Aug. 26, 1918. Serial No. 251,363. 23 Claims. (Cl. 171—229.)

1. In electric regulating means, a compressible pile, means for operating said pile, and a pair of magnets for operating said means, said magnets being connected to be responsive to the same electrical conditions, said magnets having opposing effects upon said means.

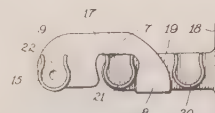
1,405,957. GUARD FOR POWER PRESSES OR THE LIKE. WILLIAM WOOLFEL, Peabody, Mass. Filed Mar. 9, 1920. Serial No. 364,592. 11 Claims. (Cl. 192—116.)

1. A double power press having clutch actuating means at one side thereof, and a safety device at the other side.

a guard for the press and means for raising said guard out of the protecting position, said means being so asso-



ciated with the safety device of the press as to require operation of that device in operating the means for raising the guard.

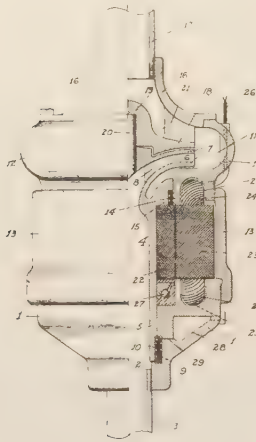
1,405,958. EXTENSIBLE BRACKET FOR WINDOW-DRAPERY RODS. HARRY O. WOLFF, Chicago, Ill. Filed Apr. 18, 1921. Serial No. 462,205. 2 Claims. (Cl. 156—24.)

2. In a device of the class described, the combination with a bracket consisting of a securing plate having extended from one of its faces at a right angle thereto an arm, a socket member on one of the faces of said arm at a distance from the securing plate and extended laterally and horizontally from said arm, of an extensible attachment consisting of a flat elongated body having a cut-away portion between its ends and provided at the edge of one of its ends with a hook to engage the lower edge of the arm of said bracket and at its other end with a laterally and horizontally disposed socket member, said elongated body being located alongside that surface of the arm from which the socket member on said arm is extended and resting at the upper edge of its cut-away portion on the upper portion of said socket member.

1,405,959. PUMP AND MOTOR UNIT. HERBERT J. WOOCK, WALTER R. WOOCK, and ERIC M. WOOCK, Lodi, Calif. Filed June 14, 1920. Serial No. 388,726. 2 Claims. (Cl. 253—194.)

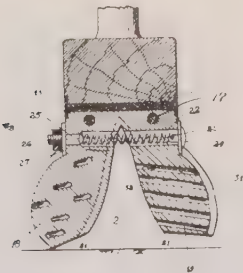
1. A pump and motor unit comprising a hollow vertical sleeve, a runner on the upper end thereof, a casing surrounding the sleeve and runner and forming a discharge chamber for the latter, a shoulder on the outside of the

sleeve below the runner, a rotor surrounding the sleeve and fixed on the runner and seating against the shoulder,



and combined bearing and supporting means for the rotor mounted in the casing.

1,405,960. RESILIENT TIRE. LEANDER W. WOOD, Fontanelle, Iowa. Filed Sept. 24, 1920. Serial No. 412,601. 10 Claims. (Cl. 152—1.)

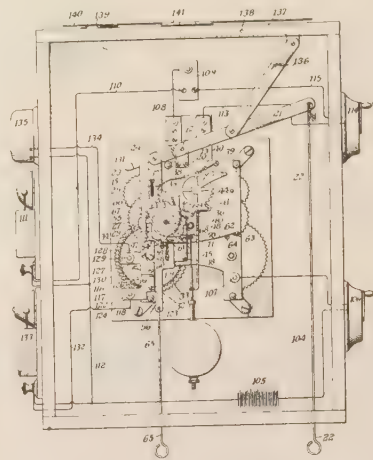


4. A wheel tire comprising an annular member formed of a resilient material and having two annular diverging treads, one of the treads of said member being slightly greater in diameter than the other, one of the treads being formed with a series of diagonal perforations, and the other with a series of transverse perforations, the said perforations being arranged in staggered relation with each other, substantially as described and for the purposes stated.

1,405,961. TIMING MECHANISM. WILLIAM J. WRAY, Philadelphia, Pa., assignor to John P. Croasdale, Berwyn, Pa. Filed Dec. 23, 1914, Serial No. 878,635. Renewed July 24, 1920. Serial No. 398,781. 24 Claims. (Cl. 161—17.)

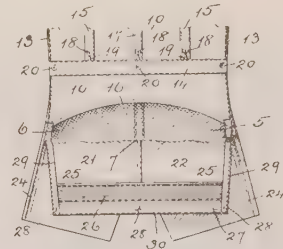
1. The combination of two timing mechanisms, each

for measuring different periods of time, means for starting each timing mechanism and means for stopping one



timing mechanism simultaneously with the starting of the other.

1,405,962. COMBINATION GARMENT. JOSEPH M. ATKINSON, Baltimore, Md., assignor to Oppenheim, Oberndorf & Co., Inc., Baltimore, Md., a Corporation of Maryland. Filed Apr. 2, 1919. Serial No. 286,856. 3 Claims. (Cl. 2—144.)

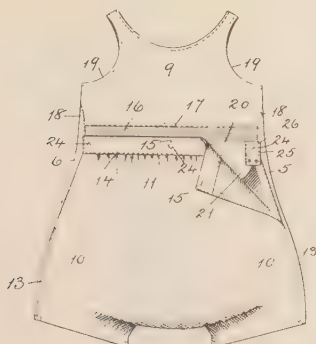


2. An undergarment for children comprising a waist and drawers with a band extending across the waist at the front and back,—the drawers having side seams and side plackets and also provided with a drop seat which extends from one side placket to the other, an elastic strip having its lower edge secured along the upper edge of the drop seat between said side plackets, an inelastic strip having its lower edge secured along the upper edge of the elastic strip said inelastic strip when the flap is raised registering with the band that extends across the back of the waist, and means for detachably connecting the inelastic strip of the drop seat with the said band on the back of the waist whereby the elastic strip will pull directly on the inelastic strip which holds the drop-seat up.

1,405,963. UNION GARMENT. JOSEPH M. ATKINSON, Baltimore, Md., assignor to Oppenheim, Oberndorf & Co., Inc., Baltimore, Md., a Corporation of Maryland. Filed Apr. 2, 1919. Serial No. 286,857. 1 Claim. (Cl. 2—144.)

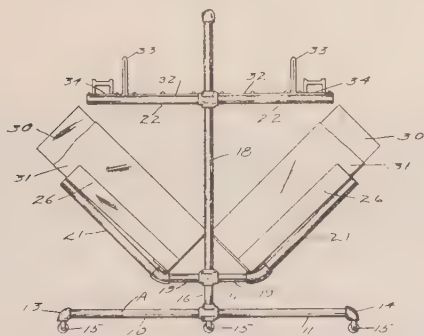
A union undergarment having a front which extends uninterruptedly from the neck to the crotch and provided with a rear upper body part and a rear drop-seat lower part with two opposite free ends, a cross strip of elastic material having its opposite ends secured to the opposite side edges of the front and also secured along the lower edge of the upper body-part, a flap secured to and

depending from the lower edge of the elastic material and of less width than the upper edge of the drop-seat and said flap being covered by the drop seat, and tabs below the



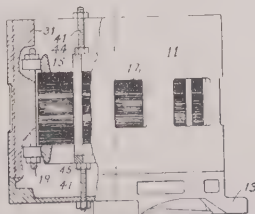
two ends of the elastic strip and secured to the flap between the latter and the free ends or corners of the drop seat.

1,405,964. LAUNDRY ASSORTING APPARATUS. RALPH W. BARRIER, Indianapolis, Ind. Filed Sept. 13, 1920. Serial No. 410,076. 1 Claim. (Cl. 211—36.)



An improved laundry assorting apparatus comprising a rigid frame having at each end two arms near the bottom extended outwardly and upwardly and two arms at the top extended outwardly, a sheet metal wall member at each side extended from one of the upwardly and outwardly inclined arms to the other and being provided with a series of equally spaced rounded ribs extended upwardly, a sheet metal bottom member having one side extended at right angles to each of the said wall members at the lower ends thereof and a platform supported on the said outwardly extended arms at the top of the frame, for the purposes stated.

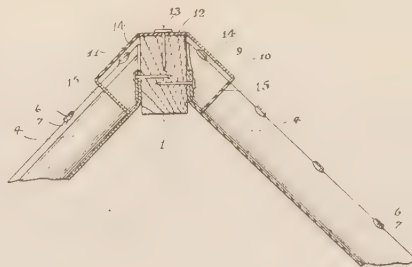
1,405,965. MOTOR GENERATOR. CHARLES H. BUNCH, Cleveland, Ohio, assignor to The Acme Electric & Mfg. Co., Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 31, 1920. Serial No. 370,265. 3 Claims. (Cl. 171—252.)



1. In a vertical motor generator set, the combination with a frame, of a motor stator comprising laminations,

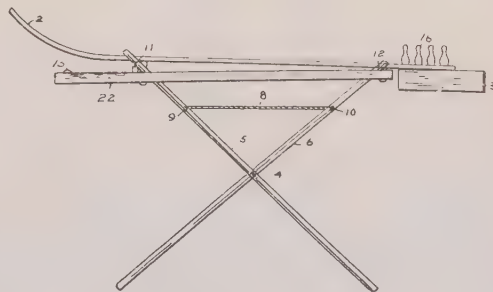
removable end rings positioned on each end of the stator, ribs extending longitudinally of the frame and abutting the outer periphery of the laminations, said ribs being out of contact with the end rings, two sets of bolts, one of said sets terminating adjacent the end rings, the other of said sets extending through the stator and connecting it with the frame, and all of said bolts being positioned intermediate the stator and the frame.

1,405,966. ROOF CONSTRUCTION. CHARLEY BURNETT, Washington Court House, Ohio. Filed Feb. 12, 1917. Serial No. 148,033. 3 Claims. (Cl. 108—24.)



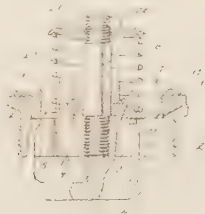
1. In a roof, the combination with a ridge pole, of a plurality of transversely curved and inclined roof sections cooperative with said pole, and suitably supported in connection therewith, a ridge roll positioned upon said pole and arranged to cover the joints defined between the meeting faces of said sections and pole, said ridge roll being formed to include a flat upper portion arranged to directly contact with the upper portion of said pole, fastening devices arranged to pass through the flat upper portion of said ridge roll and to directly connect the latter with said pole, said roll being further formed to include sides disposed parallel with said sections and in spaced relationship therefrom, and integral supplemental sides disposed at right angles to the first mentioned sides, said supplemental sides having their lower edges undercut to evenly engage with the undulating curvature of said sections.

1,405,967. GAME APPARATUS. FRANK P. CAWLEY, Pittsburgh, Pa. Filed Jan. 28, 1920. Serial No. 354,542. 1 Claim. (Cl. 46—61.)



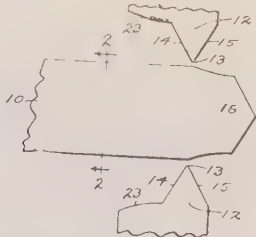
A game apparatus comprising a foldable frame having adjustable flexible supporting members, a bowling board mounted on said frame and having a flat forward end and an upwardly curved rear end, a rectangular receptacle constituting a pin receiver secured to the lower face of flat forward end of said board and projecting forwardly from and of greater width than said flat forward end, a runway carried by and spaced from one side of the board and extended from the receiver towards the curved end, and pins adapted to be mounted on the flat end and adapted to be dislodged by a projectile bowled on said board.

1,405,968. VALVE. JOHN H. CHRISTMAN, Cleveland, Ohio. Filed Dec. 11, 1919. Serial No. 344,067. 5 Claims. (Cl. 251—145.)



1. A valve comprising a seat and a cap movable toward and away from the seat, an annular member of resilient material carried by one of said parts and adapted to be stretched over an enlargement thereof and beyond which enlargement it is adapted to contract for holding the member in place, said member being arranged for co-operation with the other part, and a stop for preventing undue movement of the cap toward the seat after said member has been compressed against the seat.

1,405,969. ART OF MAKING HEXAGONAL HOT-METAL PIECES FOR MAKING HEXAGONAL NUT BLANKS. JOSEPH A. COSTELLO, Cleveland, Ohio. Filed Mar. 27, 1920. Serial No. 369,423. 8 Claims. (Cl. 10—86.)



1. In the art of making hexagonal hot metal pieces for making hexagonal nut-blanks, subjecting an endwise movable hot metal bar to forging operations at a predetermined point in relation to the path of the bar and while the bar is at rest and thereby forming two opposite V-shaped recesses which extend inwardly from opposite longitudinal edges respectively of and laterally through the bar and have the walls thereof which face endwise of the bar in one direction forming two adjacent sides of a hexagonal piece to be produced and have their walls which face in the opposite direction forming two adjacent sides of a hexagonal piece substantially completed by forming said recesses, and during the formation of said recesses exerting such pressure against said edges from said recesses a suitable distance in the last-mentioned direction as to thicken the bar and cause the bar to have its width between the pressure-receiving portions of said edges reduced in the direction of said recesses, then feeding the bar endwise in the first-mentioned direction a predetermined distance, and then again subjecting the bar to forging operations at the aforesaid point and thereby substantially completing the product comprising the aforesaid portions of said edges.

1,405,970. FOUNTAIN-PEN PENCIL. JOHN H. CROWELL, Tisbury, Mass. Filed Apr. 14, 1920. Serial No. 373,988. 5 Claims. (Cl. 120—10.)

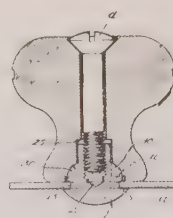
1. A fountain pen pencil of the character described, comprising an ink containing member carrying a pen; a pen protecting cap mounted on one end of said container;

a pencil-lead holding tube secured to and centrally suspended a distance within said cap, and, open slotted at one side, having a tapered forward end and a rear termination of enlarged cross section; a lead propelling plunger disposed for longitudinal reciprocating movement in said tube, and having a lateral extension threaded at its outer edge; a taper pointed sleeve surrounding said cap and tube and revolvably mounted on said cap for



movement in either direction; an internally threaded tube secured at one end to and centrally disposed within said cap, and surrounding said slotted tube and plunger, with its interior thread engaged by the threaded extension of the latter, and arranged and adapted on the revolution of its connected sleeve to move said plunger longitudinally within said slotted tube.

1,405,971. HANDLE. GEORGE E. CURTISS, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed Dec. 27, 1920. Serial No. 433,246. 9 Claims. (Cl. 16—121.)



3. The combination with a vessel having an opening in its wall, of a base member positioned in said opening and provided with a head engaging one side of said wall and an integral flange swaged tightly down against the other side thereof, said member having a threaded recess in its outer end; a handle, and a screw passing there-through, with its inner end threaded into said recess.

1,405,972. OVERSIZED PLURAL TRUCK TIRE. CHARLES J. DALTON, New York, N. Y. Filed July 20, 1921. Serial No. 486,178. 1 Claim. (Cl. 152—1.)

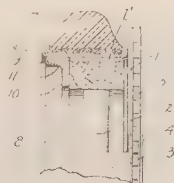
The combination with a wheel, of a plurality of tires thereon, each of said tires comprising a metal band and a rubber tread mounted thereon, the two outside tires having beads on their bands outside their rubber treads and at their opposite sides having the sides of the treads

plane surfaces substantially perpendicular to the tire axis and substantially flush with the said metal bands of the tires, an intermediate tire having the sides of its rubber



tread plane surfaces substantially perpendicular to the tire axis and substantially flush with the sides of its metal band.

1,405,973. OVERSIZED TRUCK TIRE. CHARLES J. DALTON, New York, N. Y. Filed July 20, 1921. Serial No. 486,179. 7 Claims. (Cl. 152—1.)



4. The combination with a wheel, of an over-sized tire thereon and having an overhanging portion extending beyond the same laterally, said tire comprising a metal tire rim forming a base for a rubber tread, a rubber tread upon said tire rim and a reinforcing ring forced within said tire rim alongside the felly, the outer edges of said tire rim and ring being substantially flush, said reinforcing ring being angular in cross section.

1,405,974. SHOE FASTENER. JAMES A. DAME, Kokomo, Ind. Filed June 14, 1920. Serial No. 388,798. 1 Claim. (Cl. 36—50.)

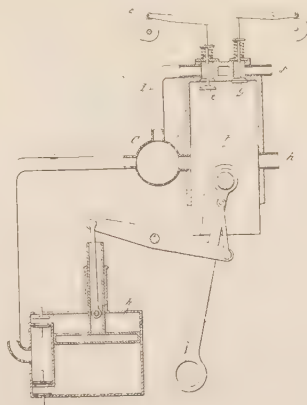


The combination with a shoe upper having a single tongue attached to each flap portion of said upper and extending the full height thereof, of a fastener having a central slot through which said tongues pass and additional slots at opposite sides of the central slot through which the free edges of the individual tongues are passed for frictionally holding the shoe upper in closed position, said fastener being tapered from end to end and curved to conform to the curvature of the shoe upper.

1,405,975. TWO-CYCLE ENGINE. OSCAR ALEXIUS DERANS, Nynäshamn, Sweden, assignor to Svenska Aktiebolaget Nobel-Diesel, Nynäshamn, Sweden, a Corporation. Filed Oct. 3, 1919. Serial No. 328,326. 2 Claims. (Cl. 60—16.)

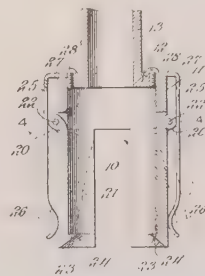
1. A method for facilitating the starting of internal combustion engines, consisting in permitting compressed

air to expand in the working cylinder of the engine to move the engine piston in one direction, utilizing the return movement of the piston to force the expanded air into a scavenging air receiver, scavenging the working cylinder by means of air supplied to said receiver, util-



izing the working piston and a scavenging air pump for supplying air to the receiver, and closing communication between the working cylinder and the scavenging air receiver when changing the operation of the engine from starting into normal operation.

1,405,976. FISHING TOOL FOR OIL WELLS. OSCAR DHOOGHE, Chicago, Ill. Filed Feb. 15, 1921. Serial No. 445,166. 3 Claims. (Cl. 294—114.)

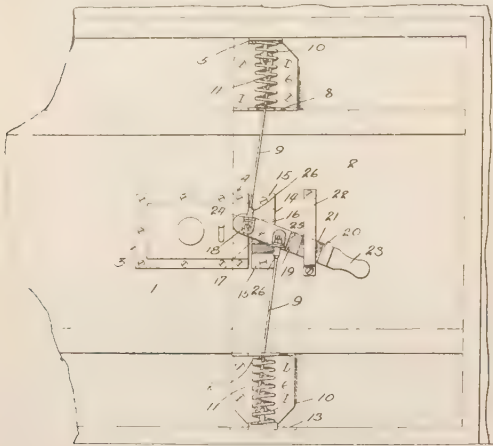


1. A fishing tool for oil wells, comprising a cylindrical head with an extension for the attachment of a manipulating rope or strand, opposed jaws hinged to the head at the end thereof remote from the extension with said jaws terminating in inwardly extending flanges to receive and embrace the pump rod coupling, and outwardly yielding springs fast to the head and bearing against the outer faces of the jaws.

1,405,977. DOOR LATCH. WALTER E. DILL, Springfield, Mass. Filed Apr. 8, 1920. Serial No. 372,208. 1 Claim. (Cl. 292—26.)

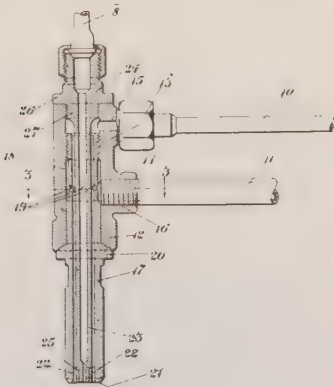
The combination with a doorway having a catch, a closure therefor having a spring pressed latch for engagement with said catch on the closing of the closure, a lever having its pivot arranged in vertical alignment

with said latch, and an L-shaped bracket pivoted to said lever to one side of its pivot and having one arm extend-



ing laterally from the lever, and a rod connected to the laterally extending arm of said L-shaped bracket and to said latch.

1,405,978. BLOWTORCH. HORN G. DONIGAN, St. Louis, Mo. Filed Mar. 6, 1920. Serial No. 363,870. 2 Claims. (Cl. 158—27.4.)

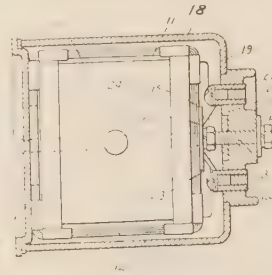


1. A blow torch, comprising a casing, a hollow stem extending into the casing from one end, means forming a connection between the inner end of said stem and said casing, a wall in the outer end of said stem having openings therethrough adjacent to the inner wall of the stem, a tube extending into the casing from the opposite end and extending through said stem and through said wall in said stem, a part on said tube closing the end of the casing from which said tube is extended into the casing, a chamber between said stem and the wall of said casing, a gas inlet passage opening into said chamber, passages from said chamber through the wall of the stem, passages through the wall of said tube, a gas inlet passage opening into said casing above the end of said stem, and a gas inlet passage opening into the end of said tube.

1,405,979. IGNITION APPARATUS. FARNUM F. DORSEY, Rochester, N. Y., assignor to North East Electric Company, Rochester, N. Y., a Corporation of New York. Filed July 26, 1917. Serial No. 182,895. 3 Claims. (Cl. 175—357.)

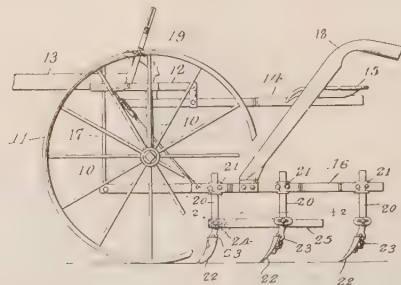
3. Ignition-apparatus comprising: an induction-coil; a cup-like drawn sheet metal cover enclosing the coil; a base-

plate covering the open end of the cover; a terminal-block seated on the closed end of the cover; and a tie-rod pass-



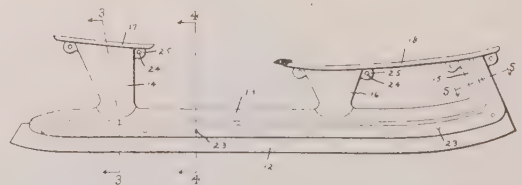
ing axially through the coil, the cover, the base-plate and the terminal-block and securing all of these parts together.

1,405,980. FENDER FOR CORN CULTIVATORS. WILLIAM F. DRAVIS, Waukon, Iowa. Filed Nov. 22, 1919. Serial No. 340,070. 1 Claim. (Cl. 97—13.)



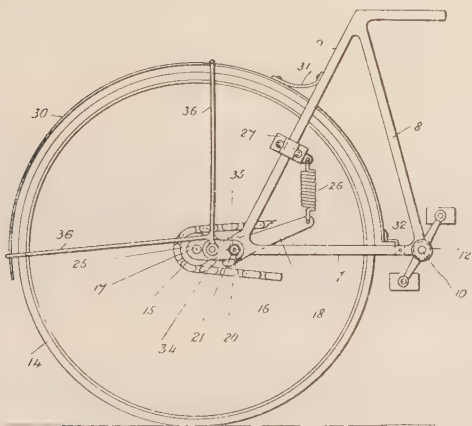
An implement of the class described comprising inner shovel devices in spaced relation, outer shovel devices spaced from the inner shovel devices, fender members extending in alignment rearwardly of the inner shovel devices and spaced from the outer shovel devices, said fenders operating to prevent the material displaced by the outer shovel devices from being thrown into the tracks of the inner shovel devices.

1,405,981. SKATE. CARL B. DREVITSON, Somerville, Mass. Filed Feb. 15, 1921. Serial No. 445,144. 3 Claims. (Cl. 46—50.)



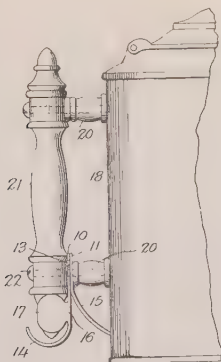
1. A skate comprising a runner and a cast-metal foot-supporting frame, composed of independent sections forming, when assembled, an elongated sectional base recessed to receive the upper edge of the runner, spaced apart sectional standards projecting upward from the base, sectional heel and sole supports at the upper ends of said standards, said sections being provided with downwardly facing longitudinally extending shoulders, bearing on the upper edge of the runner, upper reciprocal side faces above said shoulders, said side faces abutting against each other and including portions formed on the base, the standards, and the heel and sole supports, and lower side faces below said shoulders bearing on opposite sides of the runner, rivets uniting the base sections to the runner, and rivets uniting the standard sections to each other, the bearing of said downwardly facing shoulders on the upper edge of the runner preventing shearing pressure on said rivets.

1,405,982. BICYCLE. JAMES B. DRUM and FREDERICK J. EVERETT, Wilkes-Barre, Pa. Filed June 8, 1921. Serial No. 475,938. 2 Claims. (Cl. 208—101.)



1. A bicycle having fulcrum pins secured to portions of its frame, spring-controlled levers pivoted on the said pins, a road wheel journaled between the levers on one side of their pivot pins, circumferentially adjustable plates clamped on the said pivot pins, and an adjustable mud guard for the road wheel operatively connected with the free end portions of the said plates.

1,405,983. GUARD FOR THE HANDLES OF COFFEE PERCOLATORS AND THE LIKE. CHARLES JOSEPH DUQUETTE, Schenectady, N. Y. Filed Dec. 5, 1921. Serial No. 520,182. 4 Claims. (Cl. 53—3.)

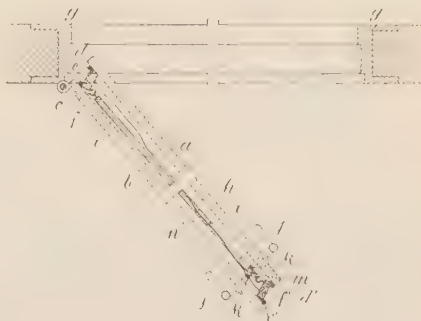


1. In connection with a utensil having a handle and spacing blocks between the same and the handle, a guard disposed between the handle and the lower spacing block, having lower oppositely deflected portions one of which extends toward the utensil beneath the spacing block and the other of which projects beneath the lower end of the handle.

1,405,984. SOUND-DAMPING DOOR. KLAUS EILER, Sahrendorf on Fehmarn, Holstein, Germany, assignor to Peter Eiler, Germantown, Calif. Filed Feb. 2, 1916. Serial No. 75,872. 4 Claims. (Cl. 20—16.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

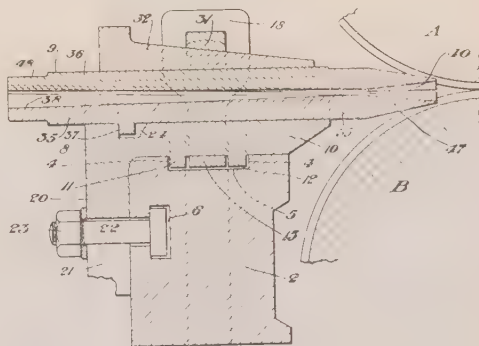
1. In a door the combination with two walls arranged adjacent each other a certain distance apart, of two ledges pivoted to the extremities of said walls respec-

tively, between said two walls, resilient means arranged between, and fixed to, the inner sides of said ledges, said resilient means being adapted when the door is opened to



afford a displacement of the inner door wall relatively to the outer door wall, whilst when the door is closed said inner door wall strikes against the door-frame and is correspondingly pushed back.

1,405,985. ROLLING-MILL GUIDE. LARS M. EKSTRAND, Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey, a Corporation of New Jersey. Filed Feb. 19, 1921. Serial No. 446,214. 4 Claims. (Cl. 80—53.)

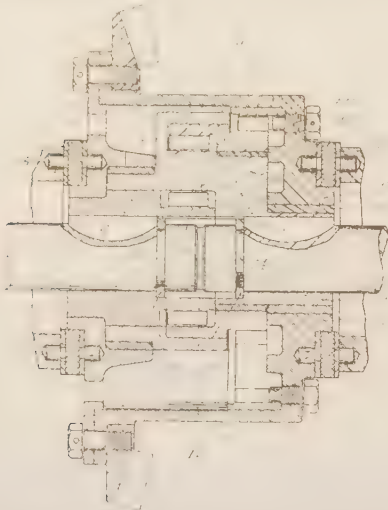


1. The combination with a cross-bar, of a guide-box mounted on said cross bar, a guide mounted in said guide-box, a guide strap extending upwardly on each side of said guide-box, a clip engaging said strap, and a wedge between said clip and said guide for holding said guide rigidly in said guide-box.

1,405,986. DIFFERENTIAL MECHANISM. FRANK V. ELBERTZ, Detroit, Mich., assignor to B. F. Everitt Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 22, 1919. Serial No. 272,442. 9 Claims. (Cl. 74—99.)

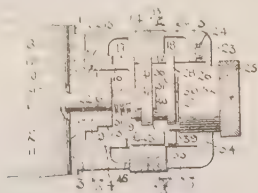
2. In a differential mechanism, a pair of axially aligned differential shaft sections, a driving bearing member non-rotatably secured to one shaft section and provided with an eccentric recess, a pinion non-rotatably secured to the other section extending into the eccentric recess, said pinion and said member having complementary formations to establish a journal relation therebetween in the assembly, a compound annular gear journaled in the eccentric recess with internal teeth in mesh with the pinion, an internal

gear concentric with the sections in mesh with external teeth of the annular gear, and a driving member to which



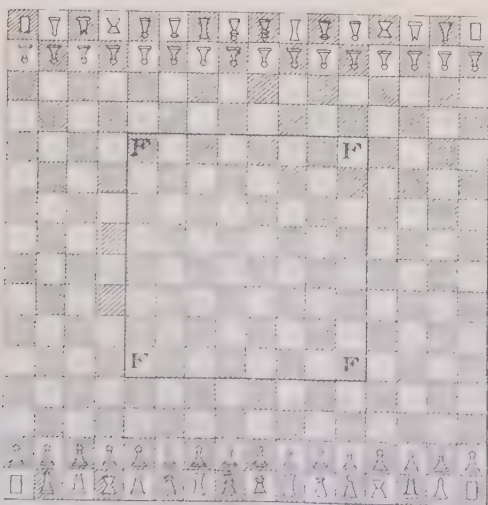
the internal gear is non-rotatably secured and in which the shaft sections are rotatable.

1,405,987. COMBINATION LOCK. ROBERT ELCOCK, Johannesburg, Transvaal, South Africa. Filed Oct. 1, 1919. Serial No. 327,735. 14 Claims. (Cl. 70—18.)



1. In a combination lock, a fixed casing, a bolt slidable therein, said bolt being also rotatable therein, interengaging means on the bolt and casing to hold the bolt in its shot position against sliding movement and disconnectable by rotation of the bolt, and movable combination elements controlling rotational movement of the bolt.

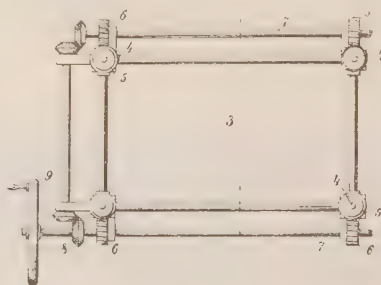
1,405,988. GAME. VERNER E. ERWIN, Lima Ohio. Filed Feb. 25, 1921. Serial No. 447,652. 2 Claims. (Cl. 46—21.)



1. A game apparatus comprising a checkered board having a plurality of parallel rows of squares of sixteen

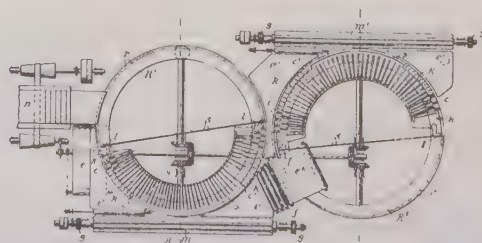
squares each, the board being further marked to define a large central square, the corners of which represent "Forts," two sets of game pieces representing and symbolizing persons and things utilized in actual war, each set including sixteen pieces of different representations arranged on a straight line across one side of the board with each piece occupying a space, and the remaining sixteen pieces having a given representation and initially arranged to occupy the next parallel row.

1,405,989. ADJUSTING MECHANISM FOR THE BREAKING ROLLERS OF FLAX-BREAKING MACHINES. IGNAZ ETRICH, Oberaltstadt, near Trautenau, Bohemia, assignor to Ignaz Etrich, Junior, Oberaltstadt, near Trautenau, State of Czecho-Slovakia. Filed Nov. 18, 1919. Serial No. 338,933. 2 Claims. (Cl. 13—21.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a flax breaking machine the combination of a plurality of pairs of breaking rollers, fixed bearings for the lower rollers of the pairs holding the axes of such lower rollers substantially in one plane, movable bearings for the upper rollers of the pairs, means for guiding such bearings of upper rollers in lines substantially at right angles to the said plane, an adjusting frame extending over all the upper rollers, springs interposed between such adjusting frame and the bearings of the upper rollers and means for moving the adjusting frame as an entirety relatively to the said plane, the amount by which the adjusting frame is moved at right angles to the said plane above one end of the series being in a predetermined constant ratio to the amount by which the adjusting frame is moved at right angles to the said plane above the other end of the series.

1,405,990. SCUTCHING MACHINE. IGNAZ ETRICH, Oberaltstadt, near Trautenau, Bohemia, assignor to Ignaz Etrich, Junior, Oberaltstadt, near Trautenau, State of Czecho-Slovakia. Filed Nov. 18, 1919. Serial No. 338,934. 4 Claims. (Cl. 13—18.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a scutching machine the combination of a plurality of horizontal rings arranged closely side by side, means for revolving such rings on their geometrical axes, adjacent rings revolving in opposite directions, each of the rings being provided on its upper face with concentric

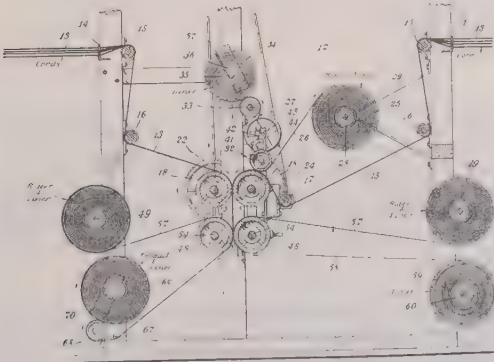
grooves, endless elastic cords, the working stretch of which follows that part of the grooves of their ring which moves towards the next following rings, means for guiding back the idle stretch of each elastic cord above its working stretch, means for continuously moving the elastic cords of each ring and means for holding the working stretch of the cords against the grooves in its ring, the working stretch of such cords moving at the same speed and in the same direction as the part of the grooves of its ring which these cords follow and adapted to hold stricks of the material to be scutched at one end in the said grooves whereby the said stricks are carried round by the rings, means for scutching the other ends of the said stricks, while the latter are thus carried round and means for disengaging the first named ends of stricks from one ring and presenting them to and engaging them with the next following ring with the other end of the stricks in a substantially horizontal plane and in a direction substantially radial to the latter ring.

1,405,991. INTERCHANGEABLE LETTER. THOMAS NELSON EVENS, London England. Filed Aug. 4, 1920. Serial No. 401,210. 2 Claims. (Cl. 40—140.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



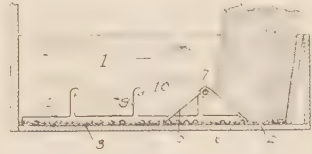
1. In combination, a base formed with parallel passages having slots extending from said passages and through one surface of the base, formed characters having bars of a size to fit in said passages, and strips connecting said bars and characters, said bars being of greater length than the width of the character to form spaces between the characters when assembled, said strips engaging in the slots and being wholly concealed by a portion of the character and being of a length exceeding the depth of the slot with which it cooperates, whereby to hold the characters in spaced relation with reference to the face of the base.

1,405,992. CORD FABRIC AND MEANS FOR MAKING THE SAME. IRVIN E. FAIR, Akron, Ohio, assignor to the B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Jan. 14, 1919. Serial No. 271,069. 22 Claims. (Cl. 154—1.)



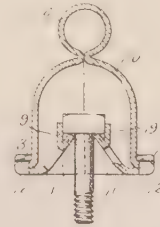
1. A fabric having cords lying side by side in alternating channels in the opposite faces of a sheet of plastic rubber.

1,405,993. LEAF-UPSETTING DEVICE. CHARLES R. FARGO, Chicago, Ill., assignor to Wilson-Jones Loose-Leaf Company, a Corporation of Illinois. Filed Dec. 12, 1917. Serial No. 206,736. 10 Claims. (Cl. 129—16.)



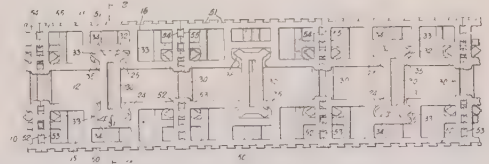
8. A filing drawer, corrugated means therein for normally holding leaves from sliding, and means adjustable along the bottom of said drawer for upsetting said leaves in two directions to permit quick and separate fingering of said leaves.

1,405,994. CONCRETE INSERT. JOSEPH K. FISHER, Santa Monica, Calif., assignor to J. Edward Ogden, Mountainville, N. Y. Filed Apr. 3, 1920. Serial No. 370,957. 6 Claims. (Cl. 72—105.)



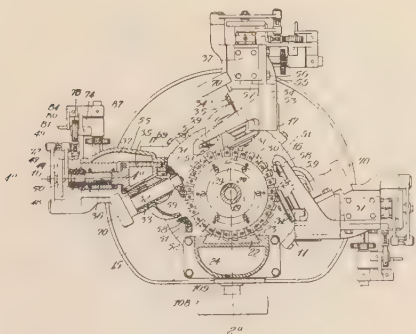
1. A concrete insert comprising a sheet metal box having spaced sides provided with doubled portions extended outwardly to form widened supports for the box and terminating in flanges introverted into the box and forming opposed bolthead-supporting rails yieldable back toward the sides from which they extend to accommodate between them bolt shanks of different sizes.

1,405,995. WALL CONSTRUCTION. DENNIS JOHN FLYNN, New Brunswick, N. J. Filed May 29, 1920. Serial No. 385,238. 2 Claims. (Cl. 72—102.)



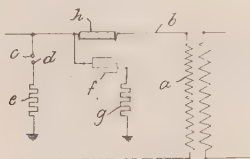
1. A wall construction, comprising inner and outer wall sections spaced apart to provide a dead air space between them, each section being formed of hollow building blocks each provided at the center of its inner face with a vertically disposed dovetail groove, of which the dovetail grooves of the blocks of the inner wall section are in register with the dovetail grooves in the blocks of the outer wall section, and hollow tying blocks, one for each pair of oppositely disposed building blocks of the inner and outer wall sections, each tying block terminating at its sides in dovetail tongues extending in a pair of registering dovetail grooves in a pair of opposite building blocks, the outer side of each dovetail tongue being provided with a recess, the outer surface of each

a cutting movement and simultaneously therewith a shifting movement transversely of said cutting movement for bringing successive tools into cutting relation alternately



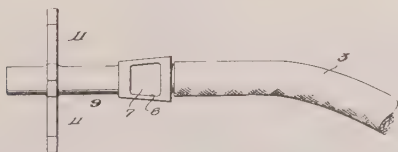
with opposite sides of a tooth space in the blank, and means for effecting a relative rolling movement of said carrier and tools adapted to generate the profiles of the teeth.

1,406,002. PROTECTIVE MEANS FOR ELECTRICAL APPARATUS HAVING WINDINGS. JOSEPH GOODMAN, Hayes, England. Filed Nov. 20, 1917. Serial No. 202,954. 9 Claims. (Cl. 175-30.)



2. In an electric circuit, the combination with a line constituting one side of the circuit, of a spark gap device and a non-inductive resistance connected in series with each other and between said line and earth, an inductance arranged in the line, and a capacity connected to said line between the point of connection thereto of the spark gap device and said inductance.

1,406,003. BURNER. JOSEPH HAGEN, Chicago, Ill. Filed June 3, 1921. Serial No. 474,752. 4 Claims. (Cl. 158-99.)

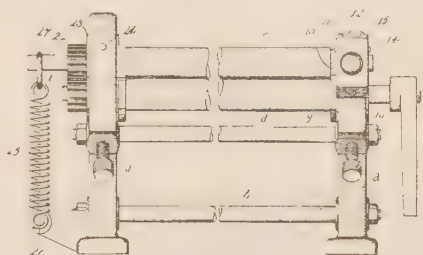


3. As a new article of manufacture a combined brazing torch and soldering iron holder comprising a tubular body having a nipple on one end thereof adapted for connection with a gas jet, a mixing chamber in said burner intermediate said body and nipple, said nipple provided with a bore opening into said mixing chamber through a reduced jet opening, and a plurality of transversely extending supporting arms formed upon said tubular body.

1,406,004. METAL-WORKING MACHINE. PAUL R. HAHNEMANN, Southington, Conn., assignor to The Peck, Stow & Wilcox Company, Southington, Conn., a Corporation of Connecticut. Filed June 7, 1920. Serial No. 386,932. 4 Claims. (Cl. 153-61.)

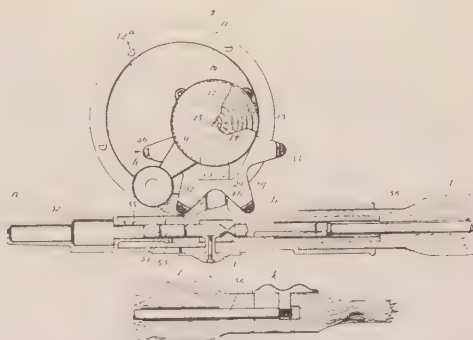
1. In a machine of the character described, a frame, a base roll mounted therein, a mandrel cooperating with said

base roll, means for rotating said mandrel, means for detachably clamping one end of said mandrel in operative position, a pivoted bearing block supporting the other end of said mandrel, an arm on said mandrel beyond said bearing block, a lever pivoted to the frame, and a link



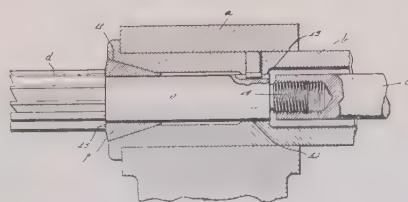
between said lever and arm, the point of connection between said link and arm being moved from one side to slightly beyond the other side of a line passing through the pivot of said lever and the point of connection between said lever and link when said mandrel is raised.

1,406,005. FISHING REEL. BENGT M. W. HANSON, Hartford, Conn. Filed Feb. 21, 1920. Serial No. 360,340. 8 Claims. (Cl. 242-84.1.)



4. In a fishing reel, a spool, a shaft, a friction brake on said shaft and adapted to exert a dragging force on said spool, said brake including a disk fast on the shaft and having a single abutment on its periphery, a stop pin cooperating with said abutment for preventing rotation of said disk and shaft in one direction, means for varying the dragging force of said friction brake which includes a pin movable longitudinally in said shaft, and an adjustable nut threaded on said shaft and capable of but one complete revolution, said nut having consecutively numbered indicating arms.

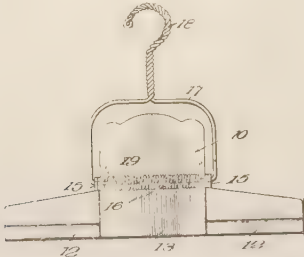
1,406,006. TOOL HOLDER. BENGT M. W. HANSON, Hartford, Conn. Filed Mar. 28, 1921. Serial No. 456,382. 6 Claims. (Cl. 279-51.)



1. In a device of the character described, a rotating spindle having a bore terminating at its outer end in a tapered recess, a tool provided with a shank positioned

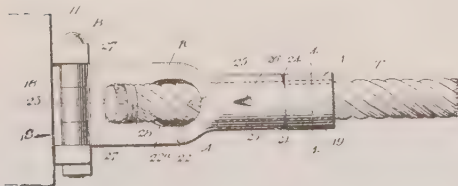
within said bore, a collar about said shank and fitting within said recess, and means for drawing said tool shank and collar inwardly of the spindle.

1,406,007. GARMENT HANGER. LUCY V. HANSON, Leesburg, Fla. Filed Sept. 19, 1919. Serial No. 324,974. 2 Claims. (Cl. 211—13.)



1. In a garment hanger, the combination of a pair of jaws having upstanding finger grip extensions movable toward each other to open the jaws, means yieldably urging said jaws toward each other, and a hanging handle comprising a hook and a depending inverted U-shaped portion straddling said finger grip extensions and pivotally connected to said jaws substantially intermediate their ends whereby said finger grip extensions may be swung through said inverted U-shaped portion to facilitate manipulation of the jaws while the hanger is being supported from said hanging handle.

1,406,008. HAME AND TRACE CONNECTER. FRANK HORACE HAPGOOD, Stevenson, Wash. Filed May 26, 1920. Serial No. 384,257. 1 Claim. (Cl. 54—33.)

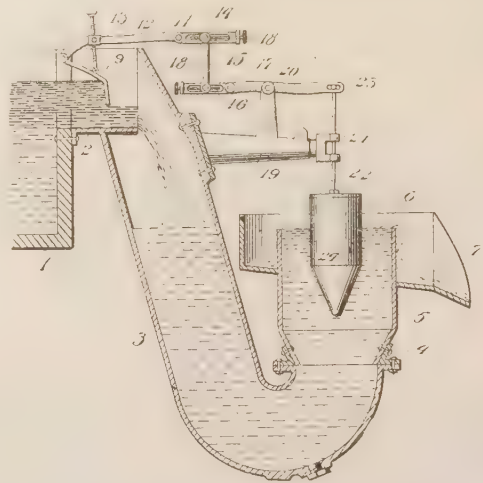


A connecter of the character described comprising a pair of members including flattened portions and semi-circular portions, a ring formed on the end of one of the semi-circular portions of one of the members, a reduced extension formed on the semi-circular portion of the other member and fitting within said ring, one of the flattened portions of one of the members being formed with an opening to receive the end of a brace extended between the members and through said ring, a hinged connection at the free ends of the flat portions of the members, and tongues on the confronting sides of the members.

1,406,009. PASTE REGULATOR FOR PAPER-MAKING MACHINES. GEORGE HARDY, Pont Rouge, Quebec, Canada, assignor to The Mills Works & Machinery Limited, Pont Rouge, Quebec, Canada. Filed June 26, 1920. Serial No. 391,897. 4 Claims. (Cl. 92—46.)

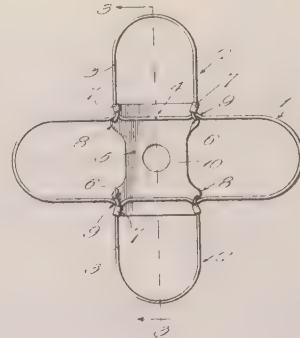
1. A paste regulator for paper making machines comprising a reservoir, an outlet leading therefrom, a basin attached to said outlet, a gate arranged within the outlet and consisting of angularly disposed integral sections, a float disposed above the upper end of the basin and ex-

tending therein, an arm actuated by the float, a rod pivoted to the gate and adjustably connected to the arm



for adjustably supporting the gate, and means operatively connecting the arm with the float.

1,406,010. REEL. GEORGE M. HENDERSON, Farrell, Pa. Filed Feb. 10, 1921. Serial No. 443,889. 6 Claims. (Cl. 242—77.)

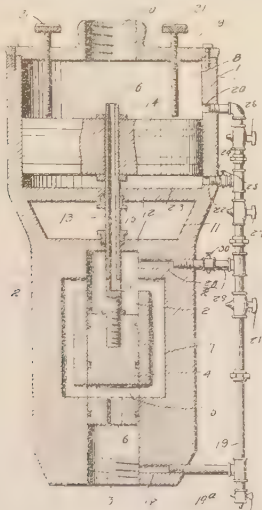


3. A reel comprising a pair of elongated loops formed from a single length of wire having their ends connected together, and a pair of connecting plates for the loops, for retaining the latter in spaced relation, said plates being disposed intermediate the ends of said loops, each of the loops having its opposite ends bent laterally to extend in a plane with said plates, the intermediate portions of the loops constituting the hub of the reel, and the laterally bent ends constituting the heads.

1,406,011. GOVERNOR VALVE. ALVA K. HINCHMAN, Philadelphia, Pa., assignor of one-fourth to Charles H. Morton and one-fourth to Charles H. Quimby, Philadelphia, Pa. Filed Sept. 18, 1920. Serial No. 411,126. 5 Claims. (Cl. 50—34.)

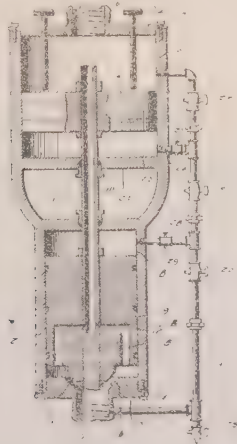
1. A governor valve comprising high and low pressure chambers having inlet and outlet ports respectively, a piston stem extending into each chamber and having a passageway therethrough communicating with said chambers, pistons secured to said stem and located in said chambers and one of said pistons having a passage and a port communicating with the passage and with the intake port, and said high pressure chamber having by-

passes communicating therewith and the passage of said pistons adapted to align with said by-passes when the pis-



ton is in one position and moved in said position by forces acting against the other piston.

1,406,012. GOVERNOR VALVE. ALVA K. HINCHMAN, Philadelphia, Pa., assignor of one-fourth to Charles H. Morton and one-fourth to Charles H. Quimby, Philadelphia, Pa. Filed Sept. 18, 1920. Serial No. 411,128. 3 Claims. (Cl. 50—34.)

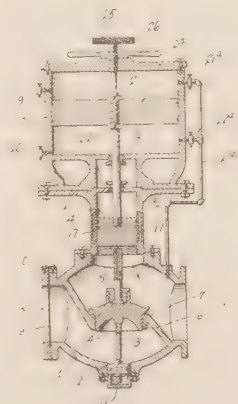


1. A governor valve comprising a casing having high and low pressure chambers provided with intake and outlet ports respectively, pistons in said chambers, a hollow stem connecting said pistons, a valve formed on one of said pistons and adapted to close the intake port, said last named piston having L-shaped by-passes communicating with the hollow stem and opening outwardly through the piston on opposite sides of the valve and intake port.

1,406,013. GOVERNOR VALVE FOR STEAM ENGINES. ALVA K. HINCHMAN, Philadelphia, Pa., assignor of one-fourth to Charles H. Morton and one-fourth to Charles H. Quimby, Philadelphia, Pa. Filed Oct. 2, 1920. Serial No. 414,202. 4 Claims. (Cl. 50—34.)

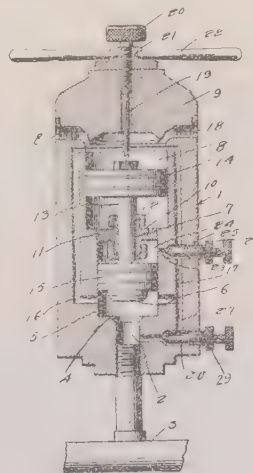
1. The combination in a governor valve, of a casing having an inlet and an outlet for fluid under pressure

and also having a valve seat intermediate of the inlet and outlet, a valve for cooperation with the said seat, a piston connected with the valve, means whereby when the valve is opened the piston will be subjected to pressure from the outlet portion of the casing at the side of



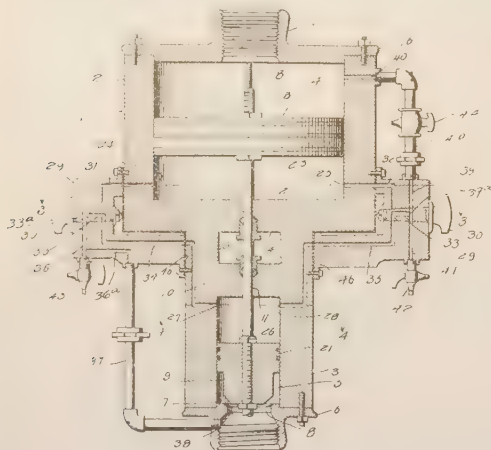
the piston remote from the valve, an auxiliary piston connected with the valve and the first-named piston, and valved means whereby the said auxiliary piston may be subjected to pressure from the outlet portion of the valve casing.

1,406,014. EXPANSION VALVE AND GOVERNOR. ALVA K. HINCHMAN, Philadelphia, Pa., assignor, by mesne assignments, of one-fourth to Charles H. Quimby and one-fourth to Charles H. Morton, Philadelphia, Pa. Filed Mar. 22, 1919, Serial No. 284,313. Renewed Dec. 7, 1921. Serial No. 520,717. 5 Claims. (Cl. 50—34.)



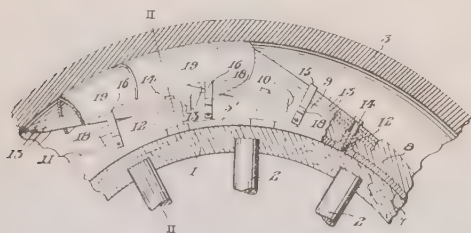
1. A device of the character set forth comprising a casing having high and low pressure chambers and said high pressure chamber having an intake port provided with a valve seat, discharge pipes connected to the low pressure chamber, said casing having passages leading from the high pressure chamber to the low pressure chamber, a double acting piston in said casing for opening and closing the passages, and a valve secured to said piston and adapted to engage the valve seat when the piston closes the passages.

1,406,015. GOVERNOR VALVE. ALVA K. HINCHMAN, Philadelphia, Pa., assignor of one-fourth to Charles H. Morton and one-fourth to Charles H. Quimby, Philadelphia, Pa. Filed Jan. 2, 1920, Serial No. 348,890. Renewed Dec. 7, 1921. Serial No. 520,718. 7 Claims. (Cl. 50—34.)



1. A governor valve for fluid engines including a casing having independent high and low pressure chambers, means establishing communication between said chambers, a valve controlling fluid pressure to the high pressure chamber and simultaneously controlling the fluid pressure to the low pressure chamber from said high pressure chamber, a piston under the influence of the pressure in the low pressure chamber for actuating the valve, said piston and valve cooperating with the casing in forming auxiliary high and low pressure chambers, means controlling fluid pressure to the auxiliary chambers, and means conducting the fluid pressure from said auxiliary chambers to the low pressure chamber.

1,406,016. CUSHION TIRE. JOHN HODELY, Shingletton, Mich. Filed Oct. 29, 1921. Serial No. 511,287. 3 Claims. (Cl. 152—8.)

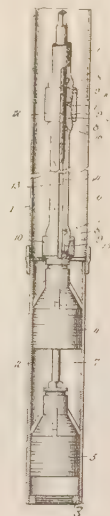


3. A cushion wheel of the type described, comprising a felly, a band mounted on the felly having block-like enlargements, a plurality of spring devices, each secured to an enlargement, a tire shoe enclosing the spring devices and band, and mounted on the felly, inverted U-shaped straps secured to the opposite faces of the enlargements for limiting outward movement of the springs, side extensions carried by the straps overlying the inner faces of the tire shoe beads, clinches flanges for the tire shoe carried by the felly, and overlapping transversely curved plates positioned between the inner face of the tire shoe and the free ends of the spring devices.

1,406,017. SUCKER ROD. ROBERT E. L. HOLMES, Philadelphia, Pa., and CHARLES W. HOLMES, New York, N. Y., assignors to Keystone Driller Company, Beaver Falls, Pa., a Corporation of Pennsylvania. Filed Mar. 22, 1921. Serial No. 454,506. 5 Claims. (Cl. 103—82.)

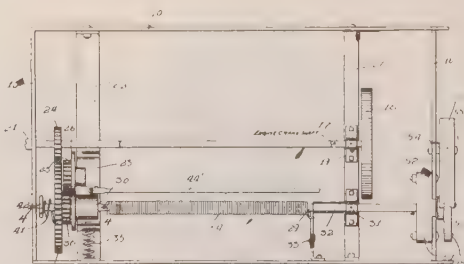
1. A pump rod assembly for double piston deep well pumps, comprising hollow and solid reciprocatory pump

rods, with each rod provided with joints between the meeting ends of the respective sections and the rod sec-



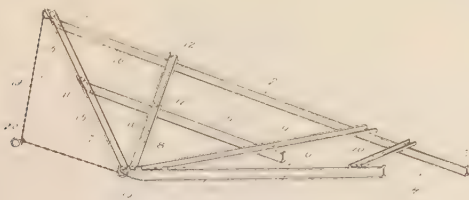
tions adjacent to the joints being rendered elastic or resilient longitudinally to neutralize the shock due to the closing of the valves on the up strokes of the rods.

1,406,018. MECHANICAL STARTER FOR GAS MOTORS OR INTERNAL-COMBUSTION ENGINES. ELDON C. HOWARD, The Plains, Ohio, assignor of one-half to John T. Hamer, The Plains, Ohio. Filed Mar. 17, 1920. Serial No. 366,470. 4 Claims. (Cl. 185—41.)



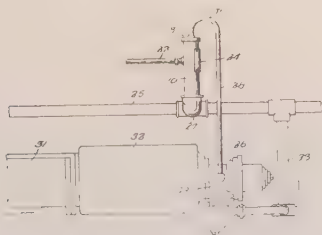
3. A starter of the class described comprising the combination with the frame of an automobile and its motor shaft; of a bearing mounted for transverse slidable movement and normally held inwardly displaced with respect to one side of the frame, a longitudinally movable bearing portion carried by said bearing, means for shifting the same and returning the same to a normal position, a gear having mutilated portions, a shaft mounted for rotation parallel to the motor shaft, a spring wound thereon and tending to turn said second shaft in one direction, said gear being keyed on said spring shaft, a pinion free on said spring shaft and having a clutch member cooperating with a clutch member on the gear whereby both will turn together under friction between the clutch members, spring means capable of adjustment to hold said clutch members in engagement and the gear-wheel in mesh with the pinion first-named, a ratchet wheel on the spring shaft, a pawl cooperating therewith to hold the spring shaft against turning, foot-operated means for releasing the last-named means to permit the shaft to turn under the action of the spring, and a pinion rotatably carried by the longitudinally movable bearing portion between and in mesh with the second-named pinion and the first-named pinion whereby upon the bearing portion being shifted to dispose the last-named pinion in mesh with the first-named pinion, said spring shaft may be rotated from the motor.

- 1,406,019. ROAD DRAG. JOSEPH WENCIL HRUSKA, Mankato, Minn. Filed Dec. 16, 1920. Serial No. 431,209. 1 Claim. (Cl. 37—5.)



A road planer comprising an I-beam forming a runner adapted to travel parallel with the edges of a road, a second I-beam forming a scraper diverging forwardly with respect to said runner forming beam with its rear end spaced directly in rear of said runner forming beam, on a line extending along the latter, a third I-beam forming a second scraper spaced inwardly from and parallel with the first named scraper forming beam with its rear end spaced inwardly from the intermediate portion of said runner forming beam, a channel bar extending across the front ends of the three beams, a second channel bar extending from the front end of the runner forming beam across the other beams at substantially right angles to the latter and secured to all of said beams, a third channel bar extending from the front end of the runner forming beam to a point near the rear end of the first named scraper forming beam and secured to all of the beams, and a relatively short bar connecting the rear end of said runner forming beam with the corresponding end of said first named scraper forming beam.

- 1,406,020. AUTOMATIC RELEASE VALVE FOR AIR-BRAKE SYSTEMS. CHARLES W. HURL, Nantyglo, Pa., assignor to J. W. Kephart and J. W. Leech, Ebensburg Borough, Pa. Filed Aug. 11, 1921. Serial No. 491,441. 3 Claims. (Cl. 303—36.)

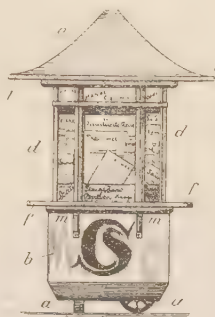


1. An automatic release valve for air brake systems comprising a casing closed at one end and open at the other end and adapted to be coupled at its open end to the train pipe of the system, said casing having transverse diaphragms in spaced relation intermediate the ends with a valve seat in one of the diaphragms, a piston operating in the casing at its open end, a stem extending from the piston and through the other diaphragm and terminating in a valve adapted to engage the seat, a spring operating to maintain said piston at one end of its stroke and the valve open, and a conductor element connecting with said casing and adapted to be coupled to the triple valve of the system.

- 1,406,021. PORTABLE KIOSK FOR SELLING NEWSPAPERS, BOOKS, OR OTHER ARTICLES. DIEDRICH IHMELS, Hanover, Germany. Filed June 24, 1920. Serial No. 391,556. 1 Claim. (Cl. 296—41.)

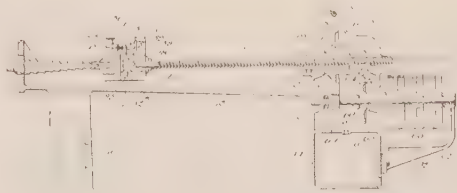
A portable kiosk for selling newspapers, books or other articles, comprising, in combination, a closed lower part, small road-wheels to carry the same movable in any direction, an upper part with open front side, a Venetian blind to close said open front side, an entrance and exit door at the rear side of the kiosk, a horizontal board between said upper and lower parts projecting from all four sides

of the kiosk and enclosing the stand for the salesman within the kiosk and having a hinged foldable portion at said door, shelves on the inner walls of said kiosk for the reception of the ware to be sold, and a roof on said



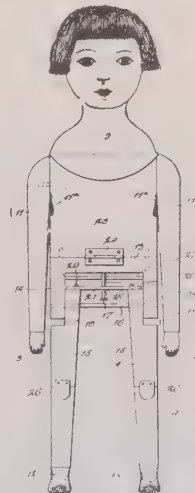
upper part having a lower edge projecting far beyond the extent of said board, the outer walls of the kiosk being adapted for the reception of temporary or permanent rentable advertisements, substantially as and for the purpose set forth.

- 1,406,022. BROACHING MACHINE. MATTEO E. INFIORATI, Jr., New London, Conn., assignor to J. N. Lapointe Co., New London, Conn. Filed Feb. 21, 1920. Serial No. 360,439. 16 Claims. (Cl. 90—33.)



1. A broaching machine including a tool holder, a screw connected to said tool holder, means for periodically pulling said screw bodily in one direction without rotating the same and means for periodically rotating said screw to move the same bodily in a reverse direction, and means for rendering the first mentioned means operative and inoperative.

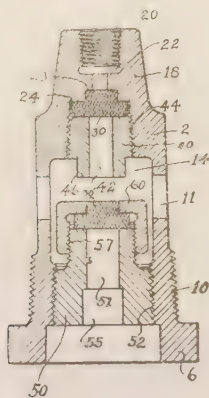
- 1,406,023. WALKING DOLL. UMEKICHI ITO, New York, N. Y. Filed Mar. 19, 1921. Serial No. 453,612. 5 Claims. (Cl. 46—40.)



1. A doll comprising a body portion, a U-shaped frame mounted on said body portion, legs pivoted to the dependent

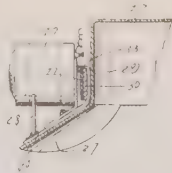
ing portions of said frame, a pin depending from the bight of said frame, pins extending from the upper ends of said legs, and a lever pivotally mounted on the first said pin and loosely engaging the pins of said legs.

1,406,024. LOW-WATER ALARM. WILLIAM S. JACKSON, Ridgewood, N. J., assignor to Herman B. Thurston, Pittsburgh, Pa. Filed July 14, 1920. Serial No. 396,262. 17 Claims. (Cl. 122—504.3.)



10. A socket member having two internal tapering threads, and having a chamber between said threads, an aperture extending through the wall of the socket member to said chamber, and two apertured plugs each engaging one thread, the apertures in said plugs being closed by fusible stoppers held against said plugs.

1,406,025. HEADLIGHT. RUSSEL E. JAMES, Burkburnett, Tex. Filed Dec. 2, 1920. Serial No. 427,707. 1 Claim. (Cl. 240—60.)

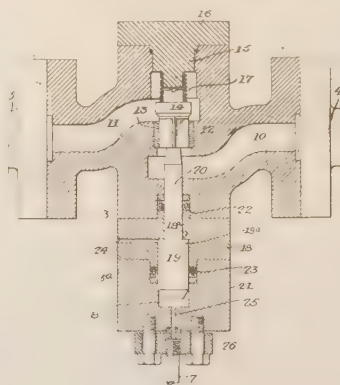


A headlight for hunting purposes embodying a lighting unit having a casing provided with a rearwardly directed loop, a sectional jointed strap to conform to the curvature of the cap or hat crown, a bracket plate carried by said strap and provided with a forwardly directed ledge for engagement by the loop, the casing being provided with a bearing plate adapted to rest upon the cap visor, and a brace consisting of a looped wire engaging the under surface of the casing adjacent the forward end and having bearing contact with the said bearing plate.

1,406,026. ACCUMULATOR SAFETY VALVE. HERMAN A. JENSENIUS, Philadelphia, Pa. Filed Jan. 2, 1919. Serial No. 269,186. 1 Claim. (Cl. 137—139.)

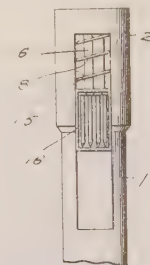
The combination of a valve casing having ports therein; a partition separating the ports, one port leading to an accumulator and the other leading to a main connected to a pressure device; a valve in the casing normally held off of its seat so as to allow free circulation between the accumulator and the main; a cylinder in the valve casing; a plunger in the cylinder having a reduced stem projecting through a passage in the casing and into the port leading to the main, the cylinder being of such a length that it will form a stop for the plunger when the plunger is projected to lift the valve off of its seat; a cap; a spring

between the cap and the valve tending to close the valve on its seat; and a pipe communicating with the lower end of the cylinder and with the main some distance from the



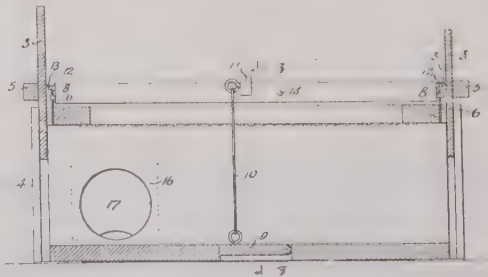
valve so that, in the event of a breakage in the main, or in the machines communicating therewith, the plunger will be released and the valve will close and hold the pressure in the accumulator.

1,406,027. NAILING IMPLEMENT. BERNARD R. KABIGTING, Oakland, Calif. Filed Mar. 18, 1921. Serial No. 453,221. 2 Claims. (Cl. 1—46.)



2. A tool of the character specified comprising a casing having an opening in a side thereof, a cap slidable on the casing, a sectional core within the casing having a longitudinal opening formed partly in each of the sections and having a helical nail race in its outer side closed by the casing, a plunger mounted in the longitudinal opening of the core, and an expansible helical spring disposed between the cap and core.

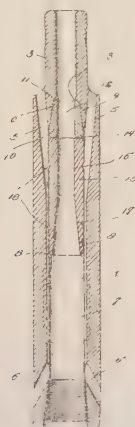
1,406,028. RAT TRAP. JOHN FREDRICK KELLER, Ottoville, Ohio. Filed Apr. 26, 1921. Serial No. 464,517. 6 Claims. (Cl. 43—61.)



2. An animal trap including a rectangular casing, vertically slidable doors normally closing the ends of the casing, upstanding brackets on the ends of the casing, a bar

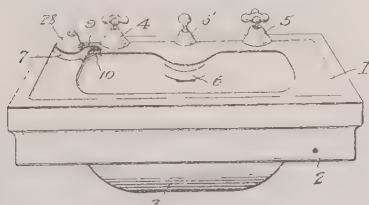
across the top of the casing, trunnions on the ends of the bar journaled in the brackets, means associated with the ends of the bar for supporting the doors in elevated position, and means whereby rotation of the bar on its trunnions permits the doors to fall by gravity.

- 1,406,029. SOCKET. BENJAMIN F. KELLEY, Tulsa, Okla., assignor of one-fourth to R. A. Griffith and one-fourth to Thomas J. McKinney, Tulsa, Okla., and one-fourth to William K. Hughes, St. Louis, Mo. Filed Dec. 27, 1920. Serial No. 433,467. 4 Claims. (Cl. 255—26.)



1. A rope socket body having an axial bore therethrough, said body having vertically arranged angularly disposed wash-out openings between the neck and bore thereof, said body having lower upwardly directed angularly disposed wash-out openings, and the bore of the body having channels communicating with the openings.

- 1,406,030. LAVATORY. JOHN F. KELLY, Trenton, N. J., assignor to Thomas Maddock's Sons Co., Trenton, N. J., a Corporation of New Jersey. Filed Oct. 29, 1921. Serial No. 511,282. 4 Claims. (Cl. 4—1.)

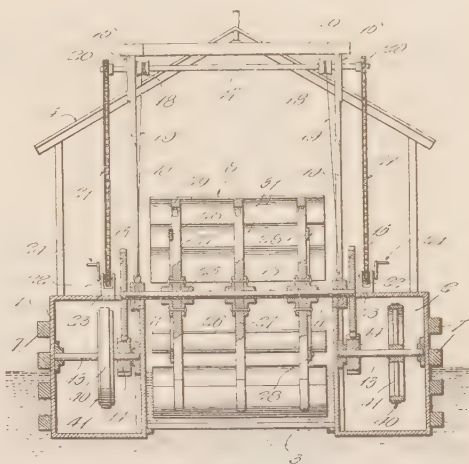


1. A lavatory comprising an integral bowl and slab, supply, waste and overflow attachments; and a separate drinking water supply including a duct formed within the slab having a discharge spout overhanging the bowl.

- 1,406,031. CURRENT MOTOR. GEORGE MICHAL KIEVLAN, Kansas City, Mo. Filed Nov. 8, 1920. Serial No. 422,614. 7 Claims. (Cl. 170—103.)

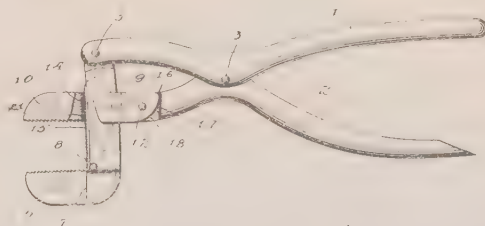
5. A water power structure comprising float means, bearings mounted for vertical movement, a paddle wheel having a shaft journaled in said bearings, means for verti-

cally adjusting the bearings and retaining the bearings in the adjusted position, and a driving shaft rotatably mount-



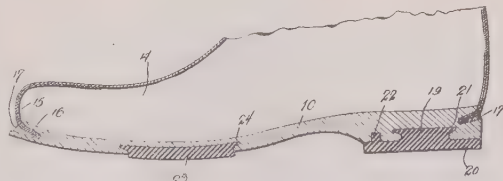
ed and rotated from the paddle wheel when the paddle wheel is lowered.

- 1,406,032. PLIER WRENCH. PERCIVAL FAULKNER KING, Shreveport, La. Filed May 18, 1921. Serial No. 470,713. 9 Claims. (Cl. 81—85.)



1. A plier wrench comprising a pair of handle levers pivoted together, a sling carried by one of said levers, a jaw pivoted in the sling, another jaw pivoted to the other lever, and means for interlocking said jaws when pressure is applied to the levers to move them in one direction.

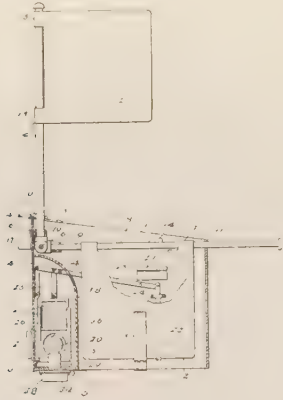
- 1,406,033. SHOE AND SOLE THEREFOR. ALFRED P. KINGSTON, Little Falls, N. Y. Filed Feb. 15, 1918, Serial No. 217,448. Renewed June 28, 1921. Serial No. 481,168. 4 Claims. (Cl. 36—13.)



4. In a shoe, the combination of a sole provided with a marginal relatively deep groove forming upper and lower marginal flanges for the sole, the upper flange constituting a continuation of the upper surface of the sole and forming a projection that is adapted to support the marginal portion of the foot, a last shoe upper having an inturned flange at its lower marginal edge, said flange being of less length than the circumference of the sole and adapted to seat in said groove and bind against the inner surface of said upper flange, and a wedge shaped absorbent packing

strip in said groove between the under surface of the flange or the upper and the upper surface of the lower sole flange, said packing strip and flange on upper serving to unite the upper and the sole.

1,406,034. FLAG HOLDER AND CLASSIFICATION LAMP. OTTO F. KLOETZER, Washington, Ind. Filed July 10, 1920. Serial No. 395,226. 6 Claims. (Cl. 40—67.)



6. A device of the class described comprising a casing having a pair of windows therein, a pair of flag staffs pivotally mounted in said casing, a lamp in the casing adjacent the windows, guideways adjacent each window, a screen located in each guideway, a pivoted lever, links connecting the same with the screens, a spring rod connected with the lever and having a hooked end, and a flag on each staff formed of stiff material, one flag being adapted to engage the hooked part of the rod when the flag is lowered to rock the lever to raise the screens from before the windows.

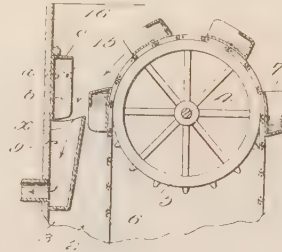
1,406,035. HAND BAG. ABRAHAM KULICK, New York, N. Y. Filed Aug. 2, 1921. Serial No. 489,338. 3 Claims. (Cl. 150—28.)



1. In a hand bag, a bag body made of a single piece of material and having integral end gussets and sides shirred along the upper edges, a main pocket within the bag body, side pockets within the said bag body and arranged inter-

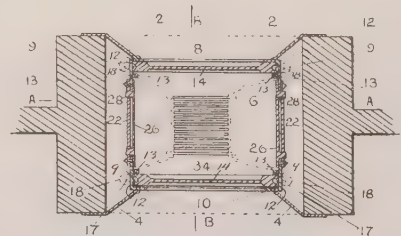
mediate the sides of the said interior pocket and the sides of the bag body, a hinged frame connected with and common to the said main and side pockets, the outer edges of the said gussets being attached to the said frame.

1,406,036. ATTACHMENT FOR PUMPS. CHARLES W. LAKE, McPherson, Kans. Filed Feb. 9, 1921. Serial No. 443,602. 5 Claims. (Cl. 103—61.)



1. An attachment for well pumps equipped with a water-receiving chamber, means for delivering the water to the chamber and a discharge leading from the chamber; said attachment comprising a shiftable member constructed to close said receiving chamber of the pump to the reception of water delivered thereto and to divert the water delivered to the chamber back into the well.

1,406,037. FIREPLACE. JAMES EDWARD LANGFORD, Kin Kin, Cooran, Queensland, Australia. Filed May 6, 1919. Serial No. 295,105. 6 Claims. (Cl. 126—125.)

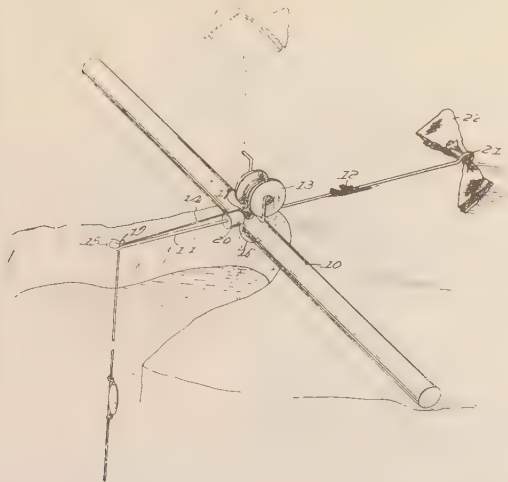


1. The combination with a chimney arranged between two rooms and opening into each room, of two frames detachably and adjustably connected together and arranged in the chimney opening, with vertical spaces between them and the walls of the chimney opening, each frame having a central opening, the opposing vertical walls of which are provided with vertical guideways, a shutter slidably mounted in the guideways of each frame, with counter balancing means for the shutter in said space.

1,406,038. ICE-FISHING INDICATOR. HERMAN LARSEN and PETER LARSEN, Lake View, Mich. Filed May 24, 1921. Serial No. 472,159. 4 Claims. (Cl. 43—17.)

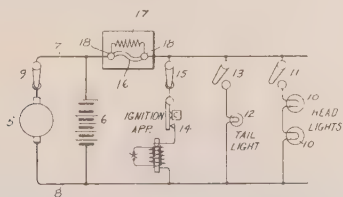
4. A fishing apparatus of the class described having a rocker for arrangement in spanning relation with an ice hole and carrying oppositely directed line guiding and indicator arms, the line guiding arm being provided with

a terminal running eye for the line, a counterweight being slidably mounted upon the line guiding arm for



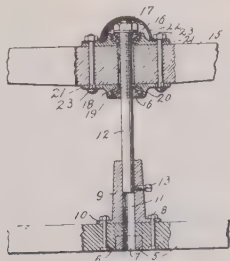
movement toward the extremity thereof when the rocker is tilted by a draft upon the line.

1,406,039. ELECTRIC SYSTEM FOR MOTOR VEHICLES. THOMAS L. LEE, Rochester, N. Y., assignor to North East Electric Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 4, 1919. Serial No. 335,689. 6 Claims. (Cl. 175-294.)



1. In an electric system for motor-vehicles, the combination, with a storage-battery, electric lights and ignition-apparatus, and a conductor connecting the storage-battery with the lights and the ignition-apparatus, of a fuse interposed in the conductor and adapted to blow in case of a dead short-circuit through the conductor; and a resistance-device connected in parallel with the fuse and having a conductivity substantially equal to the combined conductivities of the lights and the ignition-apparatus.

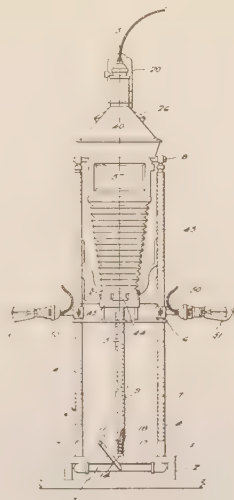
1,406,040. ROUNDABOUT. WILLIAM C. LEHMAN, Can-
nelton, Ind. Filed July 6, 1921. Serial No. 482,858. 1
Claim. (Cl. 46-27.)



In a roundabout, the combination of a standard, a pair of cones on said standard a pair of cups, bearing-balls in said cups and on said cones, a pair of apertured

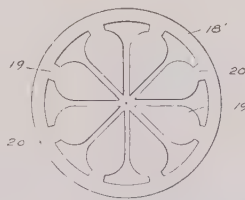
plates formed with sockets, in which said cups are seated, an apertured beam between said plates and receiving said standard through one of its apertures, an apertured cover for the upper end of said standard, and bolts extending through said beam and plates and cover and thereby securing the plates and beam and cover in unity.

1,406,041. PHOTOGRAPHIC COPYING AND ENLARGING APPARATUS. KUSTI LEHTO, Maynard, Mass. Filed Apr. 5, 1921. Serial No. 458,785. 2 Claims. (Cl. 8S-24.)



1. Apparatus for the purpose described comprising a fixed frame, a movable frame, a casing connected to the movable frame, an accordion-like casing carried by said casing and adapted to carry a lens, a slide connected with the accordion-like casing, means carried by the movable frame on which means the slide is movable, means to move the movable frame, and means to move the slide relatively to the movable frame and in concert with the movement of said frame; the said means for moving the frame comprising a shaft having a thread engaging a complementary thread of the frame and also having a finer thread engaging a complementary fine thread of the frame, toggle levers connected with the shaft, a slide connected with and movable by said toggle levers, and a connection between said slide and the first-named slide.

1,406,042. PHONOGRAPH. JAMES T. LEITCH, Allentown, Pa., assignor of two-fifths to Tilghman A. Freed and Eva S. Freed, Allentown, Pa. Filed Apr. 15, 1921. Serial No. 461,614. 3 Claims. (Cl. 274-27.)



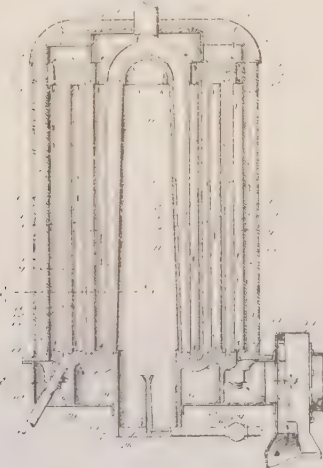
1. In a phonographic reproducer, a sound box having a perforated partition therein consisting of an exterior ring and inwardly directed vibratory fingers.

1,406,043. LOCK NUT. GEORGE W. LESTER, Daleview, Mont. Filed July 14, 1920. Serial No. 396,056. 1 Claim. (Cl. 151—25.)



A lock nut having its bolt opening provided with a groove disposed in intersecting relation with the threads of the opening, and a dog arranged in said groove and of less width than the latter, the dog being provided with teeth of a pitch corresponding to the pitch of the threads in the bolt opening and having terminal pliable ears at each end which are reversely extended and pivotally engaged in sockets formed in the side surfaces of the nut to one side of the transverse center of the groove.

1,406,044. STEAM GENERATOR. JOHN F. LINDBERG, Chicago, Ill. Filed Nov. 22, 1919. Serial No. 339,972. 1 Claim. (Cl. 122—161.)

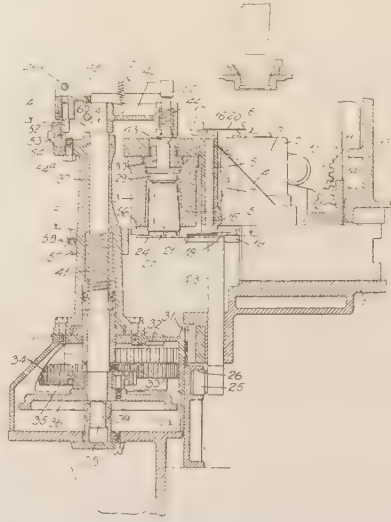


A water heater comprising a plurality of concentric water chambers separating from each other by annular spaces constituting flues, said water chambers vertically disposed and connected together to cause water to flow sinuously successively therethrough, connection between one of the extreme chambers with a source of water and between the other extreme chamber and a discharge, the last-named chamber being of larger cross-sectional area at its discharge end portion than at its inlet end portion, a source of heat and an exhaust for hot products of combustion located respectively proximately to the discharge and the connection with the source of water, and means associated with said water chambers for effecting flow of hot gases from the source of heat successively through said flues to the exhaust and in a general direction opposite to the general direction of flow of the water.

1,406,045. GLASSWARE-EJECTING MECHANISM. EDWARD H. LORENZ and KARL E. PEILER, Hartford, Conn., assignors to Hartford-Fairmont Company, Canajoharie, N. Y., a Corporation of New York. Filed Mar. 29, 1917. Serial No. 158,242. 21 Claims. (Cl. 49—1.)

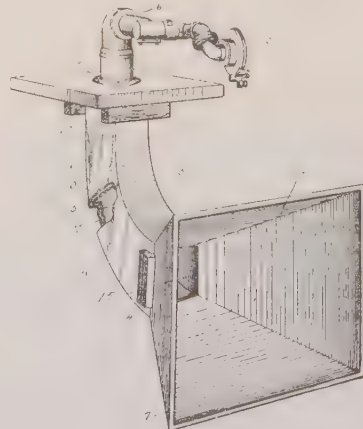
1. In a glass shaping machine having a plurality of traveling molds with bottom valves, ware ejecting means

including a reciprocatory plunger, and mechanism adapted to force the plunger against the bottom valve of each



mold in succession and thereby eject the contents of the molds while travelling.

1,406,046. SOUND RECORDING AND REPRODUCING MACHINE. THEODORE O. LOVELAND, Iowa City, Iowa. Filed June 10, 1919. Serial No. 303,036. 2 Claims. (Cl. 181—27.)

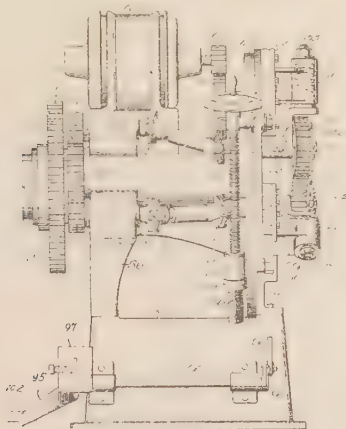


1. In machines of the character disclosed, the employment of a wooden throat, embodying a sound wave conducting passage, which is internally and externally resurfaced, with a suitably positively adhering metallic leaf, to provide uniformly smooth and solidly wood-backed metallic surfaces, of film-like thinness, both interiorly and exteriorly thereof.

1,406,047. FLUE-CLEANING MACHINE. JOHN J. MIKSHEL, Chicago, Ill., assignor to Joseph T. Ryerson & SON, a Corporation of Illinois. Filed Nov. 22, 1919. Serial No. 340,066. 45 Claims. (Cl. 29—81.)

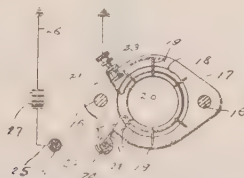
1. A flue cleaning machine comprising a series of rolls rotative in the same direction about a flue-receiving

space, and jointed, driving and guiding means permitting radial adjustment of said rolls to adapt the machine to



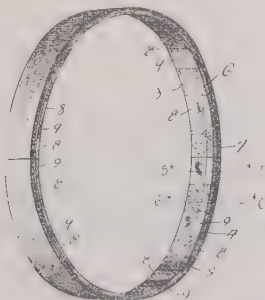
flues of different diameters while maintaining substantially uniform transverse face contact of the rolls with all said flues.

1,406,048. INTAKE HEATER FOR GASOLINE ENGINES. ELDRIGE V. MCCULLOCH, Hutchinson, Kans. Filed Dec. 4, 1919. Serial No. 342,435. 2 Claims. (Cl. 219—38.)



1. In a preheater for the explosive charge of a gas engine, the combination with the leg of the intake manifold and the connection to the carburetor, of a multi-layer of insulation disposed between said leg and carburetor connection, having a central opening of greater diameter than the interior diameter of the manifold leg and connection with the carburetor, and an electric heating wire loop supported wholly within the opening of the insulation between the leg and carburetor connection and having its ends clamped between and their extremities beyond, the insulation layers.

1,406,049. TRANSMISSION LINING. FRANCIS B. MCILROY, Hammond, Ind. Filed Jan. 23, 1920. Serial No. 353,617. 5 Claims. (Cl. 188—259.)



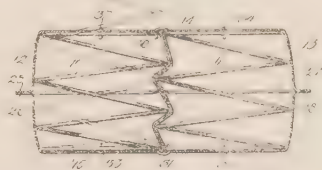
3. A brake lining comprising a strip of fabric having adhesively secured thereto engaging inserts of fabric and

cork, said inserts being of substantially the same width as the strip of fabric, said inserts having their engaging edges transversely disposed.

1,406,050. METHOD FOR PRODUCING LAUNDRY STARCH. EDGAR N. McVEIGH, Columbus, Ohio, assignor to The Keever Starch Company, Columbus, Ohio, a Corporation of Ohio. Filed May 19, 1920. Serial No. 382,636. 3 Claims. (Cl. 134—19.)

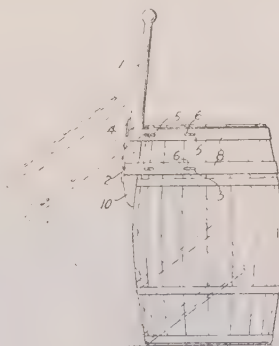
1. The process of producing laundry starch, which consists in blending wheat and corn starches by mixing the same together while they are in a form comprising a colloidal suspension in water.

1,406,051. SPRING PAD. SAMUEL S. MARCUS, New York, and SAMUEL KRAKAUER, Brooklyn, N. Y. Filed Apr. 26, 1920. Serial No. 376,750. 3 Claims. (Cl. 5—13.)



1. In a spring pad, a spring unit, comprising pairs of coiled springs, and pairs of pockets, each pocket containing and completely enclosing a spring singly, the pockets of the entire unit being formed of two pieces of fabric, and means fastening the pieces together lengthwise and transversely between the springs and lengthwise outside of the springs.

1,406,052. CASK HANDLER. MATTHIAS MATTHIASSEN, San Pedro, Calif., assignor of one-third to Richard W. Martin and one-third to Thomas L. Rodda, San Pedro, Calif. Filed Mar. 30, 1920. Serial No. 370,020. 5 Claims. (Cl. 294—26.)

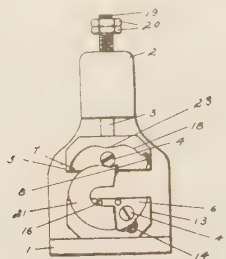


1. A barrel handler comprising a hand spike, one or more transverse hoops slidably attached to said hand spike near the end thereof and means for adjusting said hoops to fit various sizes of barrels.

1,406,053. SPECTACLE-FRAME MACHINERY. ALBERT E. MAYNARD, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed July 26, 1920. Serial No. 399,065. 10 Claims. (Cl. 29—20.)

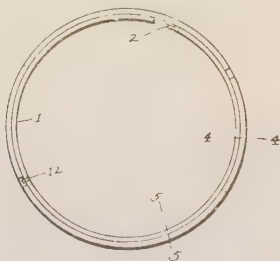
1. A device of the character described including a pair of jaw members, means for shifting said jaws toward each

other, said jaws each bearing undercut shaper plates, and a presser member carried by one of the jaws for forcing



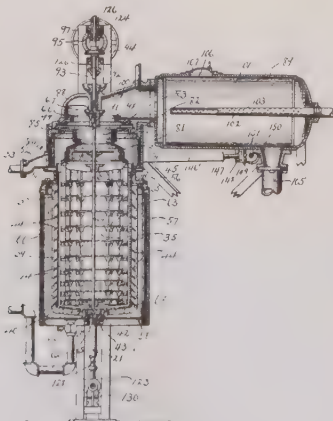
a frame into close engagement with the shaper plate of the other jaw.

1,406,054. PISTON RING. ERWIN GUSTAVE MENZENTH, St. Louis, Mo. Filed Mar. 24, 1921. Serial No. 455,032. 2 Claims. (Cl. 74—109.)



2. The combination of a channel-shaped bull-ring, two T shaped cylinder bearing rings, each less than one-half the diameter of the bull-ring and complementarily fitting therein, and both having overlapping portions extending beyond one-half the diameter of the bull-ring.

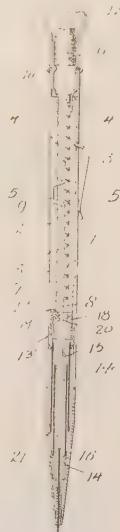
1,406,055. CONDENSING APPARATUS. IRVING S. MERRELL, Syracuse, N. Y., assignor to Merrell-Soule Company, Syracuse, N. Y., a Corporation of New York. Filed Nov. 18, 1915. Serial No. 62,244. 5 Claims. (Cl. 127—18.)



5. In a condensing apparatus a container of substantially circular cross section open at one end for the escape of vapor, a rotary beater within the container, an annular

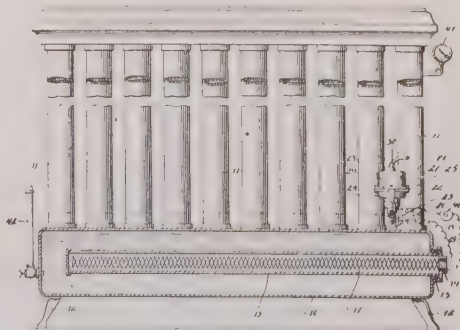
collar mounted at the outlet end of the container and having an inwardly projecting flange and a hood mounted upon the beater and having a contracted end disposed within the said flange, and a receiving trough adjacent the upper end of the container and substantially cut off from the vapor outlet by said hood and collar.

1,406,056. PENCIL. ALFRED MICHAEL, New York, N. Y., assignor to Eagle Pencil Company, New York, N. Y. Filed Mar. 26, 1921. Serial No. 455,735. 2 Claims. (Cl. 120—18.)



2. In a mechanical pencil the combination with a case and means carried thereby for advancing or retracting a follower wire for the leads of a detachable pointed extension for the case, an annular lead magazine secured to said extension and provided with internal and external threads at its end, the external threads adapted to engage with the case, a perforated cap adapted to engage with the internal threads of the magazine, said cap having downwardly extending and inwardly inclined edges to the perforation forming a conical guide, a tube extending through the magazine and to the pointed end of the extension and having a flaring upper end adapted to engage with the conical guide on the cap and to be centrally aligned thereby when the parts are assembled.

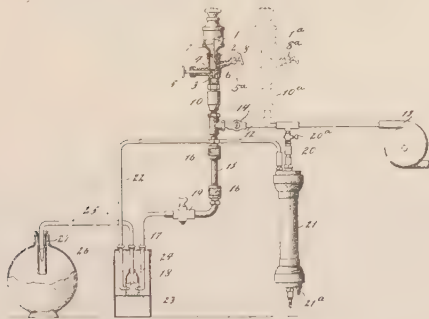
1,406,057. ELECTRICALLY-HEATED RADIATOR. JAMES HARLAN MILLS, Gallipolis, Ohio. Filed Apr. 5, 1920. Serial No. 371,345. 2 Claims. (Cl. 219—34.)



1. A device of the class described comprising a hollow base having a plurality of radiator tubes communicating

therewith for holding a charging of water, an electric heating element submerged in the water in the base, a standard carried by the base, a shell connected to the standard and supporting a transverse internal diaphragm, a lever arm pivoted intermediate the ends to said standard, connecting means between said lever and diaphragm, and electric connections between said lever arm and the electric heating medium within the shell device.

1,406,058. APPARATUS FOR AND PROCESS OF PREPARING OZONE COMPOUNDS. ALFRED J. MOISANT, New York, N. Y., assignor, by mesne assignments, to General Research Laboratories, a Corporation of New York. Filed June 3, 1916. Serial No. 101,483. 8 Claims. (Cl. 167-3.)

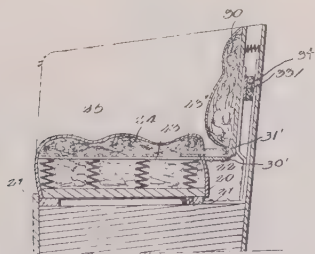


1. The process of producing a mixture of a plurality of different ozone compounds in a form to be distributed into the atmosphere which consists in injecting each of the different substances into an individual body of fluid, by means of small successive charges, and then commingling the different charged bodies of fluid with a common body of ozonized air.

3. In an apparatus for preparing ozonids, a mixing chamber, a fluid conduit leading to said mixing chamber, means for supplying fluid under pressure to said conduit, means for supplying ozonized air to said mixing chamber, and a device for successively feeding small quantities of the substance to be ozonized to the fluid in the fluid conduit.

8. In an apparatus for preparing ozonids, a fluid conduit, a mixing chamber in communication with said conduit, means for feeding the substance to be ozonized to the fluid in said conduit, means for supplying ozone to the mixing chamber, a diluting chamber in communication with said mixing chamber, and an injector for supplying air to said diluting chamber.

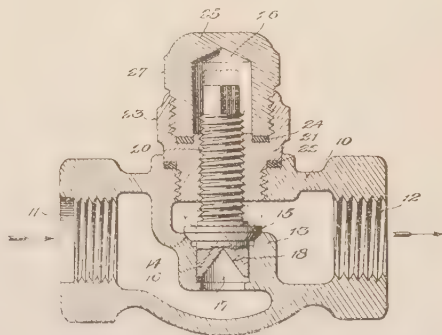
1,406,059. SEAT. ROBERT MITCHEL MONTGOMERY, Pontiac, Mich. Filed Mar. 18, 1921. Serial No. 453,420. 2 Claims. (Cl. 155-53.)



1. A seat structure of the class described, comprising a housing with a spring seat within said housing and its sides and back connected therewith, whereby said sides

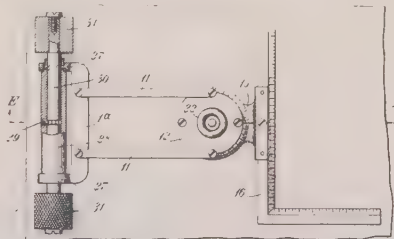
and back will move upwardly and downwardly with the springs of said seat, ball bearing units interposed between the confronting walls of said housing and back of the seat adapted to permit easy upward and downward movement of the seat, and yielding means extending between and connected to the confronting walls of the housing, and the back of seat respectively adapted to urge the seat forwardly and prevent binding of said ball bearings in the movements of said seat.

1,406,060. CAPPED STOPCOCK. PHILIP MUELLER, Decatur, Ill., assignor to Adolph Mueller, trustee, Decatur, Ill. Filed Mar. 29, 1920. Serial No. 369,520. 2 Claims. (Cl. 251-49.)



2. The combination with a fitting having an orifice in its wall, of a shouldered recess surrounding said orifice, a packing in said recess, a plug having its end threaded in said orifice and its body seated in said recess, said body having an interiorly threaded chamber and a counter-bored recess at its bottom, a packing in said recess, a valve in said fitting, a valve stem projecting through and threaded in said body, and a chambered closure cap threaded in said body and engaging said counter-bored recess to enclose said valve stem.

1,406,061. DRAWING APPARATUS. CHARLES MULLER, Zurich, Switzerland. Original application filed Apr. 2, 1920, Serial No. 370,694. Divided and this application filed Aug. 1, 1921. Serial No. 489,015. 3 Claims. (Cl. 33-79.)



1. In a drawing apparatus, the combination of at least one heavy, roller-like means, a stirrup-like member for mounting said means thereon, a disc, two parallel links pivotally connected to said stirrup member and disc, and means to secure a straight edge or the like for guiding a drawing utensil to said disc.

1,406,062. CALENDER CONSTRUCTION. CARMON A. MYERS, Akron, Ohio, assignor to the Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 3, 1921. Serial No. 434,423. 2 Claims. (Cl. 98-55.)

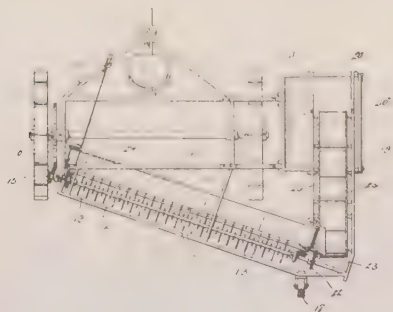
2. In a calender construction, means for ventilating the calender, comprising a hollow calender framework,

a hood in the upper part of the calender, a trough-shaped collector, extending transversely of the calender, the



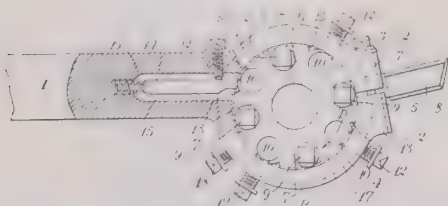
sides of said collector being apertured and the ends communicating with the hollow framework, and suction means connected with the interior of the framework.

1,406,063. STONE-GATHERING MACHINE. CHARLES K. NAGY, Gainesville, N. Y. Filed Jan. 8, 1921. Serial No. 435,938. 1 Claim. (Cl. 55—17.)



A machine of the class described comprising a wheeled frame, a rake rotatably mounted thereon, an endless conveyor, means for operating the rake and conveyor during the progression of the machine, a hopper, a second conveyor arranged obliquely to the first mentioned conveyor to receive the material therefrom and carrying the same to the said hopper, said second mentioned conveyor being operated from said rake.

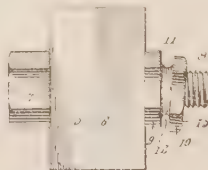
1,406,064. MACHINE-TOOL HOLDER. CHARLES LESLIE NEWLAND, Eltham, England. Filed Apr. 15, 1920. Serial No. 374,168. 3 Claims. (Cl. 29—48.)



1. A multiple tool holder for metal working machines comprising an arm having a split bearing, a tool carrier rotatably mounted in the said bearing, a ratchet wheel rigidly connected with the said tool holder and disposed

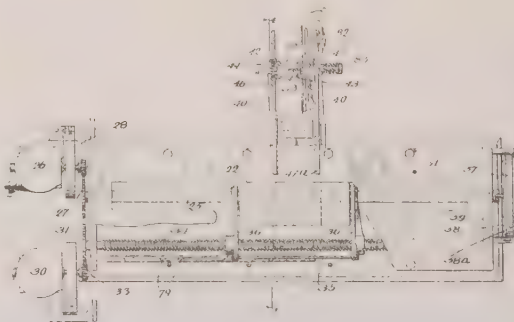
concentrically therewith, a plurality of facial tools mounted in holes disposed parallel to the axis of the tool carrier and concentrically arranged therewith, means to clamp the said tool carrier and ratchet wheel in operative position, and means to adjust the ratchet wheel circularly so as to adjust the height of the tool relatively to the work.

1,406,065. LOCK NUT. HARRY G. NORWOOD, Baltimore, Md. Filed Oct. 22, 1921. Serial No. 509,476. 8 Claims. (Cl. 151—21.)



1. A lock nut comprising a nut having a body portion and a locking portion, and an annular yielding substantially non-resilient connection for connecting said two portions, the body portion and the connection both having a continuous thread adapted to easily screw on a bolt and said portions and said connection all having a common bore which is enlarged within the locking portion.

1,406,066. RECORDING MACHINE FOR MECHANICALLY-DETERMINED CALCULATIONS. GEORGE WILLIAM ODELL, Montreal, Quebec, Canada, assignor to Computing-Tabulating-Recording Company, New York, N. Y., a Corporation of New York. Filed May 19, 1919. Serial No. 298,290. 34 Claims. (Cl. 234—53.)

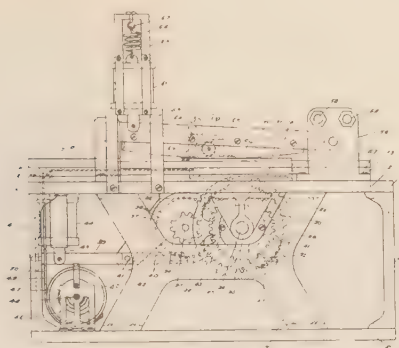


2. In recording machines for mechanically determined calculations, an operating instrument in card form, a frame, a printing mechanism having time and value grouped in type form, means controlled by said instrument for shifting said type groups in selecting operations and automatically reversible, and means for imparting another movement to said type groups, said movements being regulated by and in agreement with the physical form of the card.

1,406,067. COMPUTING-CARD-STAMPING MACHINE. GEORGE WILLIAM ODELL, Montreal, Quebec, Canada, assignor to Computing-Tabulating-Recording Company, New York, N. Y., a Corporation of New York. Filed July 7, 1919. Serial No. 309,189. 18 Claims. (Cl. 234—43.)

3. In a computing card stamp, a frame, a plurality of knives suitably mounted in said frame, a distance meas-

uring member and electrical means having contact members travelling with said distance member for automati-



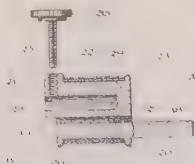
cally selecting and operating said knives in accordance with the uncut and partly cut condition of the card.

1,406,068. ROAD CONSTRUCTION. GEORGE HENRY PADGETT, Edwards, N. Y. Filed Nov. 20, 1919. Serial No. 339,288. 8 Claims. (Cl. 94-4.)



1. In a road construction, a track comprising a plurality of conduit sections placed end to end longitudinally of the road, each section consisting of a bottom, side walls, and spaced bridge pieces connecting the side walls at the top, and a removable cap for each section provided with spaced lugs at each longitudinal edge.

1,406,069. SOUND-MODIFYING DEVICE FOR PHONOGRAPHS. JAMES R. PARRISH, Nashville, Tenn. Filed May 3, 1921. Serial No. 466,392. 3 Claims. (Cl. 274-37.)

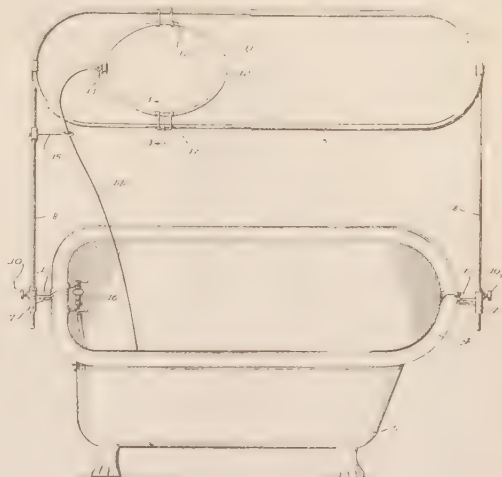


1. A sound modifying device for phonographs, comprising a needle holder, a stem, a non-metallic material interposed between said stem and needle holder, and non-metallic means for binding the needle holder and stem together.

1,406,070. SHOWER ATTACHMENT FOR BATHTUBS. LOUIS R. PATTON, Chicago, Ill. Filed Sept. 17, 1921. Serial No. 501,276. 4 Claims. (Cl. 4-26.)

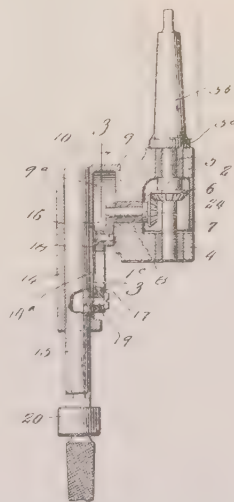
1. In a shower attachment for bath tubs, bath tub engaging clamps, a supporting structure adjustably carried

by said clamps, a shower ring movable longitudinally over said supporting structure, and a hose connected to said



showering ring and adapted for connection with the water inlet of a bath tub.

1,406,071. APPLIANCE FOR TOOLS. JOSEPH PAVELKA, St. Louis, Mo. Filed Nov. 8, 1920. Serial No. 422,503. 8 Claims. (Cl. 29-76.)



1. In a portable filing machine, a rotatable member adapted to be detachably secured to and supported on a rotating part of a machine, a housing forming a bearing for said rotatable member, a reciprocating tool holder, driving connections between the tool holder and said rotatable member, and a bearing for said tool holder, said bearing being rotatably supported on said housing, whereby the tool holder can be adjusted with respect to the axis of said rotatable member.

1,406,072. EXPLOSIVE ENGINE. BENJAMIN F. PEAR-SALL, Jr., Wallace, N. C. Filed June 7, 1919. Serial No. 302,437. 1 Claim. (Cl. 123-66.)

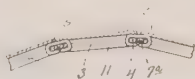
In an explosive engine, a cylinder provided with inlet and exhaust ports, opposed pistons reciprocally mounted in the cylinder, a crank shaft, means connecting the pis-

tons with the crank shaft whereby one of the pistons is caused to reciprocate with greater rapidity than the other piston, a rack bar carried by said other piston, the head portion of said cylinder being extended to provide a guide for the rack bar and the contiguous portion of the cylinder head being extended longitudinally to provide a support-



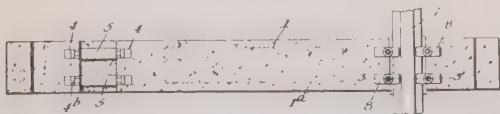
ing bracket, a gear segment meshing with said rack bar pivotally supported in said bracket, a cam wheel, and a push rod having positive pivotal connection with the segment and connected with the cam wheel whereby reciprocatory movement of the last mentioned piston is produced during rotation of the shaft.

1,406,073. BRACELET CONSTRUCTION. FRED PFAUS and AUGUST PFAUS, Sr., Newark, N. J. Filed Mar. 12, 1921. Serial No. 451,900. 6 Claims. (Cl. 59—80.)



1. A bracelet construction comprising open links, hollow exterior members each receiving one link and having end bars, and connectors each receiving the end bars of contiguous end bars of adjoining links and the contiguous end bars of adjoining hollow exterior members.

1,406,074. CONCRETE RAILWAY TIE. CHARLES A. PIERSON, Sharon, Pa. Filed Aug. 26, 1921. Serial No. 495,486. 7 Claims. (Cl. 238—283.)

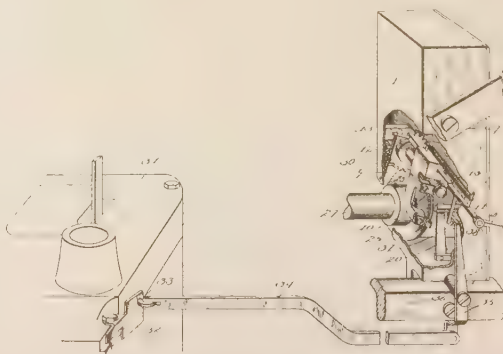


1. A concrete railway tie having a rubber block embedded in the upper surface thereof, a wooden wear plate superposed on said rubber block, and forming a seat for the rail, and means for securing the rail in place.

1,406,075. AUTOMATIC CUT-OUT FOR TYPOGRAPHICAL MACHINES. EDWIN W. PIERSON, Newark, N. J., assignor to Intertype Corporation, Brooklyn, N. Y., a Corporation of New York. Filed May 27, 1921. Serial No. 473,008. 12 Claims. (Cl. 199—52.)

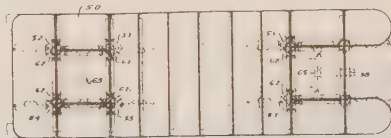
1. An automatic cut-out for typographical machines of the class employing electric current and embodying an operating part movable periodically during the normal

operation thereof, comprising a switch for controlling the supply of electric current to the machine, a member which is advanced, during the operation of the machine, from a



starting position toward a position to cause the switch to cut off the supply of electric current to the machine, and means controlled by said periodically movable part to cause restoring of said member to its starting position.

1,406,076. RAILWAY CAR AND TRUCK CONSTRUCTION. JOHN A. PILCHER, Roanoke, Va. Filed May 17, 1920. Serial No. 381,835. 15 Claims. (Cl. 105—195.)



1. A railway vehicle having a supporting truck at each end, the load being applied to one of the trucks at four points and to the other at three points.

1,406,077. SINGLE-MAGAZINE PENCIL. ARTHUR F. POOLE, Kenilworth, Ill., assignor to The Wahl Company, New Castle, Del., a Corporation of Delaware. Filed Oct. 24, 1917. Serial No. 198,333. 17 Claims. (Cl. 120—18.)



1. A mechanical pencil comprising a casing, a lead, a plunger for advancing the lead in the casing, a magazine,

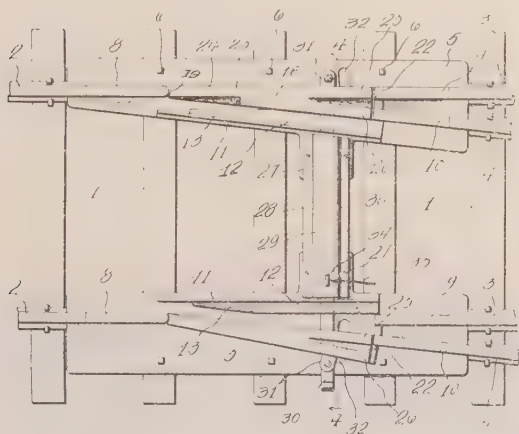
arms formed on one end of the magazine and engaging the plunger for operating the same, and a plate connecting the opposite ends of the arms, said plate having an opening therein through which the plunger passes.

1,406,078. HAT-CREASER RETAINER. BENJAMIN REICHARD, New York, N. Y. Filed Feb. 1, 1921. Serial No. 441,564. 2 Claims. (Cl. 2—108.)



1. As an article of manufacture, a hat crease retainer of the character designated, comprising a one piece elastic resilient structure having a hollow spine and convergent clamping jaws having inturned barbs formed entirely within the circumferential edges of said jaws and with their apices extending toward said hollow spine, substantially in the manner and for the purpose set forth.

1,406,079. RAILROAD SWITCH. JAMES S. REID, Harrisburg, Ill. Filed Aug. 25, 1921. Serial No. 495,260. 5 Claims. (Cl. 246—421.)

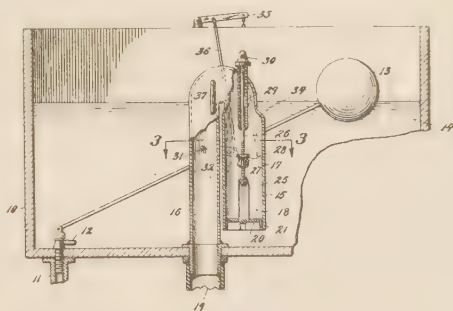


1. A main track, a side track, and a switch structure for controlling passage of trains along the main and side tracks, said switch structure comprising side sections each having a base plate, rail sections rigid with the end portions of the base plate and extending in alignment with the rails of the main and side tracks, a switch point extending longitudinally of the base plate between the rail sections carried by the end portions thereof, tongues extending from the ends of the switch point and fitting into pockets in the rail sections of the base to hold the switch point against vertical movement, and means for simultaneously imparting transverse swinging movement to the switch points of the side sections and releasably holding the switch points in a set position.

1,406,080. TANK SIPHON. WILLIAM RINE, Philadelphia, Pa. Filed Nov. 3, 1919. Serial No. 335,284. 1 Claim. (Cl. 4—5.)

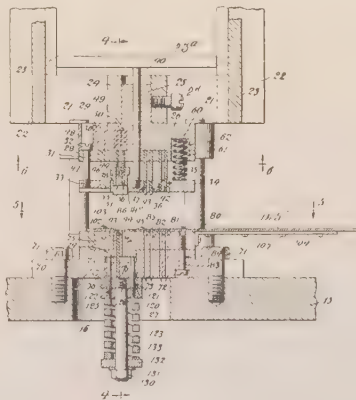
A tank siphon comprising an inverted U-shaped body including a long leg leading to an outlet and further including a short leg enlarged to define a chamber formed rectangular in cross-section, an open rectangular frame slidably mounted within said chamber, a bail secured to said frame, a vertically swinging vane pivoted within

said frame, stops for limiting upward and downward swinging of the vane, a tubular guide extending vertically within said chamber, a stem slidable through said



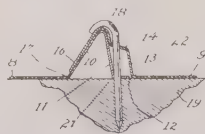
guide and connected with said bail, and members mounted on the stem above and below the guide and engageable therewith for limiting movement of the frame.

1,406,081. PUNCH AND DIE APPARATUS. RUDOLF RITTMAYER, Brooklyn, N. Y. Filed Feb. 27, 1920. Serial No. 361,709. 8 Claims. (Cl. 164—15.)



1. In a punch and die apparatus the combination of a top tapered cutter and a bottom tapered cutter and means to simultaneously operate the cutters to produce a pair of tapered openings in the material operated upon, the taper of one opening tapering in a direction opposite to the taper of the other opening.

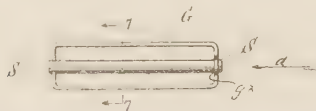
1,406,082. SHEET-METAL ROOFING. EDWIN R. PROBERT, Covington, Ky. Filed May 2, 1919. Serial No. 294,340. 2 Claims. (Cl. 108—18.)



1. In sheet-metal roofing, a joint for contiguous sheets comprising an under-crimp formed along one sheet and having an upwardly-slanting member, an integral approximately perpendicular supporting-member and a horizontal plane foot-member extending laterally from the said supporting-member, and an upper or lapping single crimp formed along the other or next sheet and having in its structure a shallow upwardly-slanting member, an elevated approximately-horizontal nail-receiving member extending laterally from the said shallow upwardly-slanting member toward the said supporting-member of

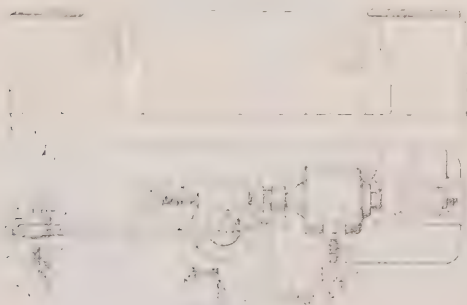
the first-named crimp-structure and a shallow slightly inclined member leading upwardly from said nail-receiving member to a crown or apex-member and an integral outer downwardly-inclined member extending from said crown or apex-member and adapted to aline with and lap upon the first-named slanting member of the first-named crimp-structure, and fastening-nails adapted to be driven through the said elevated widely-spaced and approximately-horizontal member of the single upper crimp structure, thence downward through the said horizontal plane foot-member of the lower-crimp and finally into the sheathing beneath.

1,406,083. HAIR-CURLING DEVICE. ENA ROESSNER, New York, N. Y. Filed June 11, 1921. Serial No. 476,702. 3 Claims. (Cl. 132—33.)



1. As an article of manufacture, a hair curling device of the character designated, comprising a one piece guard yoke of elastic resilient wire bent permanently into elongate substantially rectangular shape at the ends, one end being formed with a snap loop and the other constituting a fulcrum for the articular support of a wind-spindle, and said wind-spindle consisting of a single piece of metal bent into permanent hollow cylindrical shape and pivotally attached to said fulcrum end of the guard yoke for the purpose described.

1,406,084. BAR REVERSER. HARRY B. ROSE, Buffalo, N. Y. Filed Jan. 28, 1920. Serial No. 354,705. 18 Claims. (Cl. 80—52.)



8. The combination with a pair of pass rolls, of a bar reverser comprising a pivotally mounted reverse arm, rotatably mounted gripping means carried at the outer end of the arm and movable with a bar as it is coming from the pass rolls, a pivotally mounted turning arm arranged adjacent the reverse arm, a connection between the turning arm and the gripping means, the pivot of the turning arm being eccentrically arranged with respect to the pivot of the reverse arm, whereby, when the reverse arm is rotated, the turning arm will move relatively therewith and rotate the gripping means.

1,406,085. DOOR-SECURING DEVICE. JOHN A. ROUGH and THOMAS H. HASTIE, Tulsa, Okla. Filed Aug. 28, 1920. Serial No. 406,622. 1 Claim. (Cl. 292—297.)

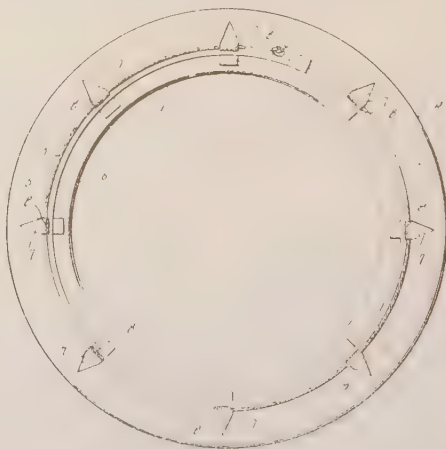
A door securing device comprising an elongated plate formed at one end with a laterally extending tine, said plate being adapted for insertion between the free edge of a door and its jamb with said tine in penetrating en-

gagement with the jamb, said plate being formed intermediate its ends with an opening, and a locking member of hook shape pivoted upon the free end of said plate and having its free end formed with a reduced extension adapted for insertion through said opening, said reduced



extension including a relatively large head and a constricted neck portion defining notches engageable with the edges of the opening whereby to prevent casual displacement of said hook member with respect to the plate member.

1,406,086. INNER-TUBE COVER. ELMER J. RUDOLPH, Wakefield, Kans. Filed June 13, 1921. Serial No. 477,238. 1 Claim. (Cl. 152—18.)



A device of the character set forth comprising a cover including a tread wall and side walls, said walls adapted to surround an inner tube by having the side walls in overlapping relation, one of said side walls having spaced slots, loops secured to the other side walls and extending through the slots, a tying cord extending through the loops to prevent the withdrawal of the loops from the slots.

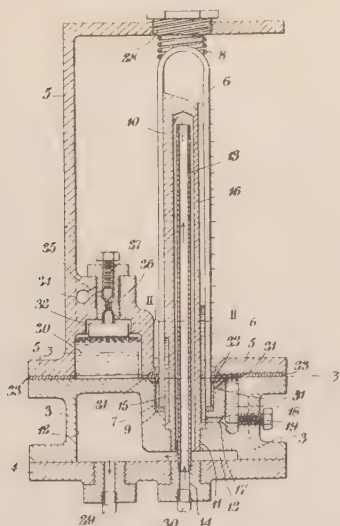
1,406,087. SUPPORTING HOOK. THOMAS HENRY RYAN, Newark, N. J. Filed May 24, 1921. Serial No. 472,034. 1 Claim. (Cl. 248—24.)



A pot hook comprising an attaching member, a supporting member, each member being formed out of a single length of wire, the attaching member being bent upon itself and twined about a point between its extremities to provide the same with a reinforced body portion, the outer extremities of said member being spread apart, and U shaped, the ends of said extremities terminating into a pair of hooks aligned with each other, with their axis of

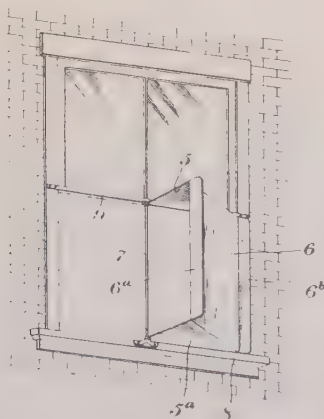
alignment transverse to the longitudinal axis of the twined body portion, said supporting member comprising a body portion held in said hooks, and bent downwardly, a pair of outwardly extending coils having their axis parallel to said axis of alignment, and having its ends extended beyond their intersecting points, which points lie directly below and between said spring coils, said ends being adapted to resiliently separate from each other, in a line transverse to said alignment axis.

1,406,088. GAUGE FOR INDICATING THE EFFICIENCY OF STEAM CONDENSERS. ARTHUR EDWIN LEIGH SCANES, Ashton-on-Mersey, and ATHOL WILFRID CLARKE, Manchester, England. Filed May 25, 1920. Serial No. 384,190. 10 Claims. (Cl. 73—31.)



1. In a device for indicating the efficiency of a steam condenser the combination of a reservoir adapted to contain mercury, a vertical tube closed at its upper end and exhausted of air, a connecting passageway between the lower end of said vertical tube and the mercury reservoir, and means for circulating water within the vertical tube without contact therewith.

1,406,089. ROOM VENTILATOR. AUGUST SCHAFER, Columbus, Ohio. Filed Sept. 22, 1919. Serial No. 325,333. 2 Claims. (Cl. 98—31.)

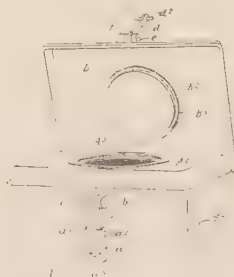


2. A ventilator for a window comprising, in combination, triangular top and bottom frames, an imperforate air deflecting wall connecting one pair of the corresponding edges of said frames, said wall being provided with ver-

295 O. G.—10

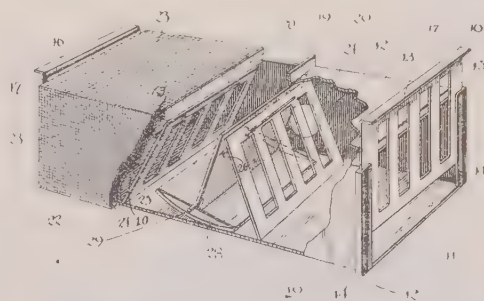
tical flanges, each projecting outwardly in the direction of the plane of the adjacent open side of the ventilator, and means for pivoting said triangular frames at the angles thereof opposite the imperforate wall.

1,406,090. FASTENING FOR BOXES AND OTHER ARTICLES. AUGUSTUS WILLIAM LOUIS SCHERMULY, Sutton, England. Filed Sept. 12, 1919. Serial No. 323,424. 4 Claims. (Cl. 292—66.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A fastening for box lids or the like, consisting of a loop-shaped piece, hinged to the body of the box and provided with hooks, in the side members of the loop and of a bar-like piece hinged to the other of the parts to be fastened together and adapted, when in its closed position, to come between the side members of the loop-shaped piece, the lower end of the said bar-like piece being provided with a cross-piece which can be brought into engagement with the hooks of the said loop-shaped piece.

1,406,091. TRAP. TIDO RUDOLPH SCHUIRMANN, Chenoa, Ill. Filed Nov. 15, 1920. Serial No. 424,147. 5 Claims. (Cl. 43—67.)

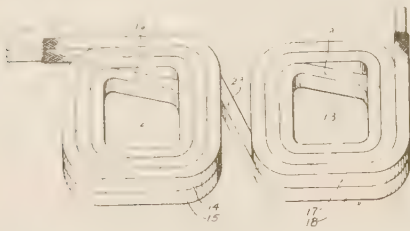


1. The combination with a trap including a rectangular casing having a trapping device and a door; of a bait device of substantially U-shape in cross section removably held on said casing and provided with an imperforate inner panel, a screened covering forming a channel between the panel and the screen to receive corn or other bait.

1,406,092. METHOD OF FORMING FIELD WINDINGS. CARL G. SCHULZ and ALBERT J. CROLL, Rochester, N. Y., assignors to North East Electric Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 24, 1919. Serial No. 340,385. 4 Claims. (Cl. 140—92.2.)

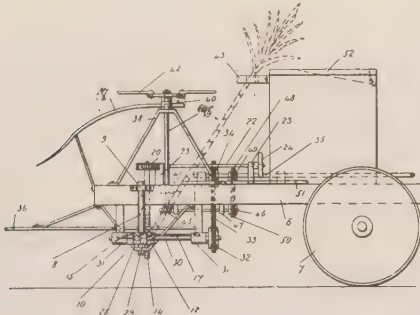
1. The method of making a field-winding from a continuous integral conductor, which comprises: winding the

conductor into a volute layer from one quarter-point towards one end; winding a second volute layer from said point towards the middle of the conductor; winding a third



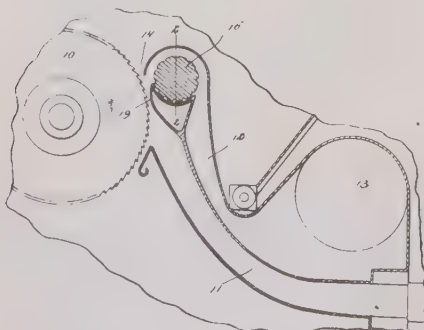
volute layer from the other quarter-point towards the other end; and winding a fourth volute layer from the same quarter-point towards the middle of the conductor.

1,406,093. CANE HARVESTER. HENRY O. SCRANTON, Jeanerette, La. Filed Aug. 11, 1920. Serial No. 402,855. 4 Claims. (Cl. 56—100.)



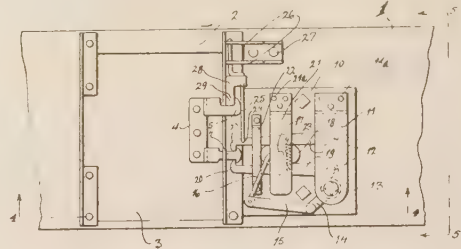
1. In a harvester, a truck, a saw guide supported by the truck, a reciprocating saw slidable in the said guide and projecting crosswise of the center line of draft, guides for the standing plants projecting from the truck on each side of the center line of draft, a stationary support for the lower ends of the cut plants arranged adjacent to the saw, and a rest for the upper end portions of the cut plants supported by the truck and arranged on the center line of draft above and to the rear of the said saw.

1,406,094. COTTON GIN. CHARLIE F. SIMPSON, Martha, Okla. Filed Apr. 19, 1921. Serial No. 462,591. 1 Claim. (Cl. 13—9.)



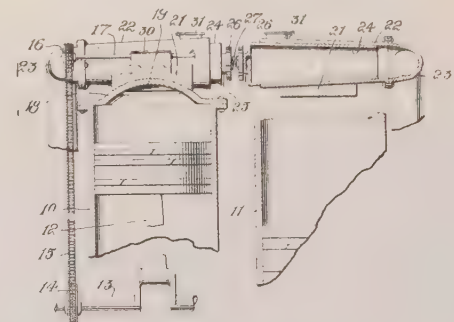
The combination with a cotton gin, of a longitudinally grooved roller rotatably mounted in the gin adjacent the air nozzle and having its periphery arranged to provide a portion of the air duct wall, and means whereby the roller may be rotated to convey accumulated lint from the air duct to the lint flue.

1,406,095. SAFETY DOOR FOR FREIGHT CARS. ZYGMUNT SLAWINSKI, South Plainfield, N. J. Filed Oct. 25, 1920. Serial No. 419,196. 2 Claims. (Cl. 70—31.)



1. A lock for sliding doors comprising a two armed keeper having recessed arms, a lock plate, a pair of opposed levers pivoted thereon, said levers being engageable with the recesses of one arm, a detent operable by one of said levers engageable with the recess of the other arm, a spring drawing said levers towards each other, a cam journaled on said plate between said levers, a lever for actuating said cam, a key operated lever remote from the last named lever, a link connecting said cam and key levers, and an obscuring shutter normally covering the entrance to said key lever.

1,406,096. VALVE. CHARLES P. SMITH, White Pine, Tenn., assignor of one-third to Balwin Harle, Morristown, Tenn., and one-third to John G. Moore, White Pine, Tenn. Filed July 12, 1920. Serial No. 395,483. 3 Claims. (Cl. 123—59.)

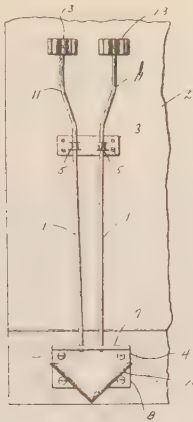


1. The combination with adjacent cylinders of an internal combustion engine having a crank shaft, of lengthwise slotted valve casings of hollow tapering form disposed in coaxial relation on the cylinders and with their large ends adjacent to one another, hollow valves of similar shape rotatably interfitting the casings, having open small ends and closed large ends provided with axially projecting trunnions, gears secured on the trunnions, a spring extending between and engaging the trunnions of the valves to press the latter snugly into the casings, a valve actuating shaft geared to the crank shaft, and a gear on the said crank shaft engaging both of the valve carried gears, as described.

1,406,097. UMBRELLA AND CANE HOLDER. EDWARD I. SNICKERS, Shelton, Wash. Filed Dec. 29, 1920. Serial No. 433,892. 1 Claim. (Cl. 45—33.)

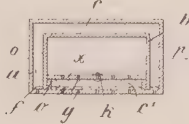
An umbrella holder comprising an angular shaped bracket adapted to have its vertical portion secured to a support and having its horizontal portion provided with draining openings and umbrella stick receiving openings of a size larger than the first openings, means for gripping

umbrellas to support them vertically with their sticks inserted in the second mentioned openings, and a receptacle



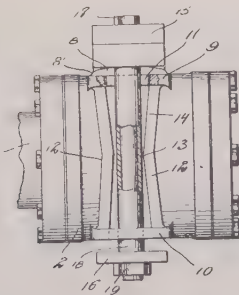
carried by the vertical portion of the bracket and having its open wall underlying the entire horizontal portion of said bracket.

1,406,098. PACKAGE. ROBERT SPEIDEL, Calmbach, Germany. Filed July 9, 1920. Serial No. 395,073. 1 Claim. (Cl. 217—5.)



In a device of the kind described in combination, an outer box, ledges on the bottom of said box in parallel with, but at a distance from the sidewalls thereof, a perforate plate loosely resting on said ledges, a box open on one side resting in inverted position on the bottom of said outer box with its side walls in frictional contact with said ledges, and absorbent material intermediate said outer box and said inner box and said plate, respectively.

1,406,099. JOURNAL BOX AND MOUNTING. LEO K. STAFFORD, New York, N. Y. Original application filed Apr. 27, 1920, Serial No. 376,971. Patent No. 1,370,377, dated Mar. 1, 1921. Divided and this application filed Dec. 14, 1920. Serial No. 430,680. 5 Claims. (Cl. 64—54.)



3. In combination, a journal box and a mounting therefor, a transverse lug on the top of the box contacting the upper portion of the mounting and providing a fulcrum

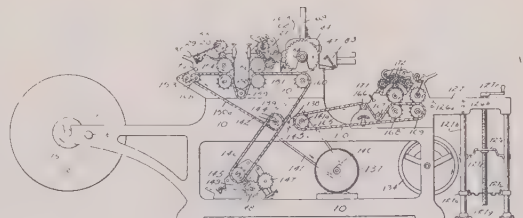
therebetween, and the lower member of the mounting being out of contacting engagement with the lower face of the box, means passing through the members constituting the mounting and contacting with the sides of the box for securing the latter on the former, said box having its sides provided with a passage for the reception of said securing means, and the walls of said passage being disposed at an outward angle from the center thereof, as and for the purpose set forth.

1,406,100. ELECTRIC WATER HEATER. RICHARD M. STEPHENS, Irving, Tex., assignor of one-twelfth to Charles E. Manley and one-twelfth to Elmer L. Lipp, Los Angeles, Calif. Filed June 23, 1920. Serial No. 391,060. 3 Claims. (Cl. 219—41.)



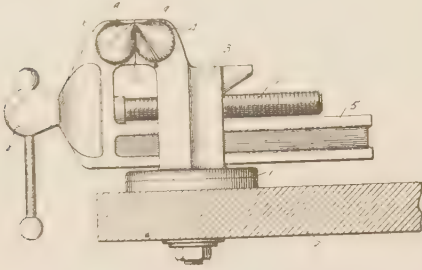
1. An electric water heating unit, comprising, in combination, a metallic perforated cup, two concentric perforated carbon cylinders, having open ends, within said cup, and of less length than the depth thereof, said cylinders spaced and insulated from each other and from the cup, by insulators at the bottoms of the carbons, and insulating packings at the top, said carbon cylinders adapted to respectively constitute the anodic and cathodic termini of an electric circuit.

1,406,101. PROCESS AND MACHINE FOR PRINTING COMPLETE FORM LETTERS. ERYN R. STRAWN, Des Moines, Iowa, assignor to The Omigraph Company, Des Moines, Iowa, a Corporation. Filed July 29, 1920. Serial No. 399,668. 25 Claims. (Cl. 101—52.)



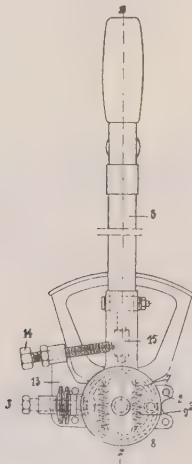
1. The process of printing a form letter, comprising the printing of the body of a letter on each predetermined length of a continuous moving strip of paper as it passes through a machine, the printing of additional type matter on a different place on each predetermined length of paper as it so passes, and the printing of a different address on still another portion of each predetermined length during such passage.

1,406,102. VISE. THEODORE SZYLDEROWICZ, Shamokin, Pa. Filed Nov. 11, 1920. Serial No. 423,430. 2 Claims. (Cl. 78—8.)



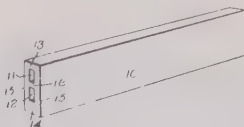
2. A vise, comprising a pair of jaws, and conical extensions projecting from the jaws at one end thereof, said extensions having surfaces in alignment with the upper and gripping surfaces of the jaws.

1,406,103. CONTROL HAND LEVER WITH BRAKED MOTION. RENÉ JEAN CAMILLE TAMPIER, Boulogne-sur-Seine, France. Filed Mar. 30, 1921. Serial No. 456,960. 6 Claims. (Cl. 74—39.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. The combination of a hand lever having a hollow, cylindrical hub; a pair of brake-shoes disposed within said hub and movable into and out of braking engagement with the inner faces of the walls thereof; and means for controlling the operation of said shoes.

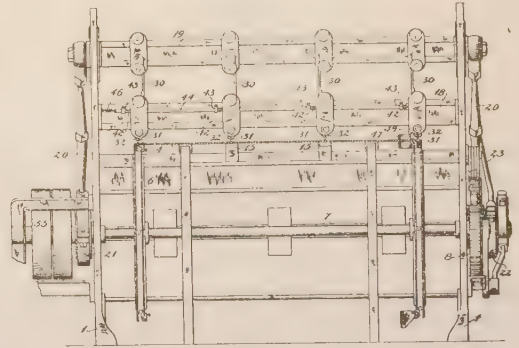
1,406,104. PRINTER'S SLUG AND RULE. WILLIAM E. TAYLOR, New York, N. Y. Filed Mar. 16, 1921. Serial No. 452,891. 1 Claim. (Cl. 101—402.)



As a new article of manufacture, a printer's slug or rule including a solid body portion having a plurality of

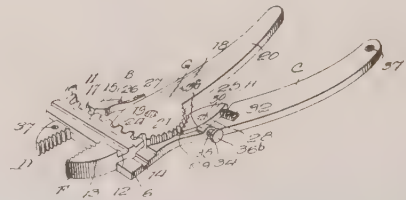
parallel openings extending from end to end thereof, and the material between said openings forming a longitudinally extending strengthening web.

1,406,105. MACHINE FOR USE IN MAKING BOXES. OSCEOLA C. THOMPSON, White Plains, N. Y., assignor to Wirebounds Patents Company, a Corporation of Maine. Filed June 2, 1920. Serial No. 386,034. 46 Claims. (Cl. 1—82.)



30. A machine for use in making wire-bound boxes comprising, in combination, means to apply binding wire to box parts; and means to sever the binding wire between box parts, including a cutting member normally maintained above the plane of the work but adapted to assume a position below a wire and sever the wire upon the up stroke of said cutting member.

1,406,106. WRENCH. FRANK THUERINGER, Sauk Rapids, Minn. Filed Nov. 24, 1919. Serial No. 340,164. 5 Claims. (Cl. 81—86.)

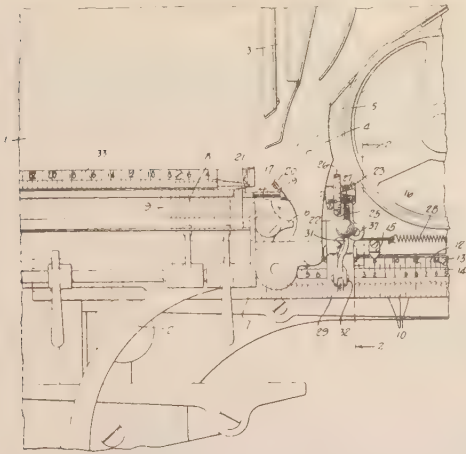


1. A wrench comprising a frame structure formed of two sections and having a rigid jaw and rigid handle thereon, the facing portions of said sections recessed to provide a pocket, a movable jaw, having a laterally projecting shank disposed within the pocket portion of said frame section, an adjustable handle pivotally connected within the pocket portion of said frame and having a handle projecting therefrom adapted to cooperate with the rigid handle of said frame, for moving the movable jaw, a pawl carried by said frame section, and means positioned exteriorly of the frame section for operating said pawl to engage the movable handle, to lock the movable jaw in a predetermined position.

1,406,107. TYPOGRAPHICAL MACHINE. LOUIS C. TINSLEY, New York, N. Y. Filed Mar. 17, 1921. Serial No. 453,112. 15 Claims. (Cl. 199—30.)

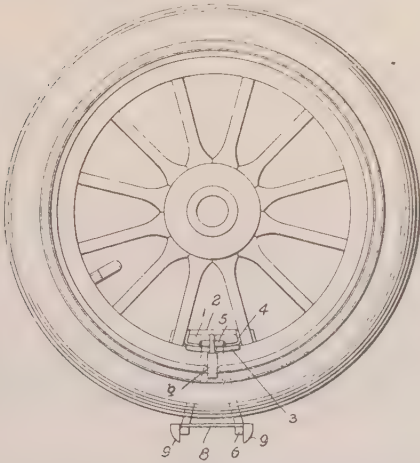
1. In a typographical machine, the combination with an assembler slide, and a finger on the slide, of means

for holding the assembler slide against forward movement, means for compressing the line of matrices, and means



for measuring the line of matrices while the slide is so held.

1,406,108. LIFTING JACK FOR VEHICLES. JOHN M. TOBIAS, Pittsburgh, Pa. Filed Apr. 28, 1921. Serial No. 465,205. 6 Claims. (Cl. 254—94.)

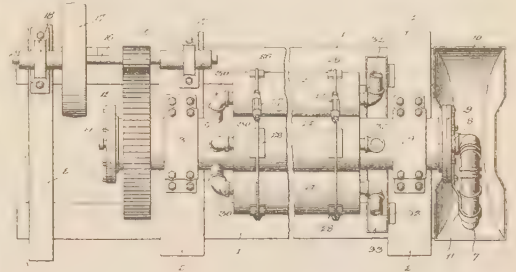


1. An attachment for a vehicle wheel consisting of an anchor block permanently bolted to the felly of the wheel in a direction radial of the wheel and provided with a seat, and a foot member adapted to be thrust into and removed from the seat in the anchor block, and when in place therein presenting to the road a bearing part overlying and spaced from the tread of the tire, substantially as described.

1,406,109. GRINDING MACHINE. WALTER EDWIN TRENT, Washington, D. C., assignor to Trent Process Corporation, Washington, D. C., a Corporation of Delaware. Filed Sept. 3, 1920. Serial No. 407,867. 19 Claims. (Cl. 83—90.)

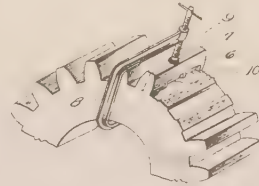
1. In a grinding machine, the combination with a common grinding tube having grinding elements therein, means for introducing material to said tube, a plurality of grinding auxiliary tubes adapted to move in unison therewith, means establishing a communication between one end of the common grinding tube and each of said

auxiliary grinding tubes to permit material that has passed through the common grinding tube to be introduced to one



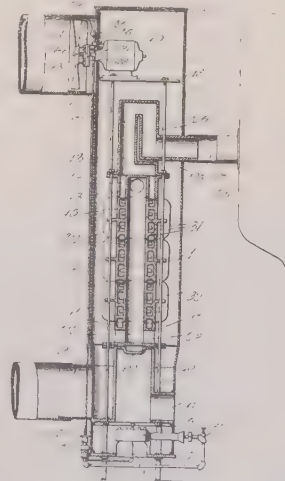
of said grinding tubes, and a separate discharge for each grinding tube disposed at a point opposite the feed inlet thereto and discharging the material into the atmosphere.

1,406,110. METHOD AND MEANS FOR INSERTING TEETH IN GEARS AND PINIONS. WILLIAM D. TROUTNER, Pittsfield, Ill. Filed May 10, 1920. Serial No. 380,416. 5 Claims. (Cl. 29—159.)



1. The herein described method of welding in gear teeth which consists in dressing the gear body down to the clearance line, clamping in a previously shaped tooth beveled at the root to receive welding metal, and depositing the welding metal at a temperature to homogenize the root of the tooth with the gear body.

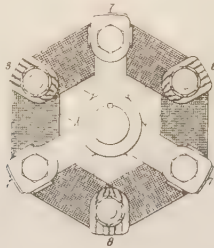
1,406,111. AIR HEATER AND VENTILATOR. GEORGE ALBERT TUCK, San Francisco, Calif. Filed July 21, 1921. Serial No. 486,501. 16 Claims. (Cl. 126—116.)



1. A heater comprising a casing having an air inlet and an air outlet, a burner in the casing, a heater in said casing and having a hollow base above the burner, a hood in the upper portion of the casing having an outlet ex-

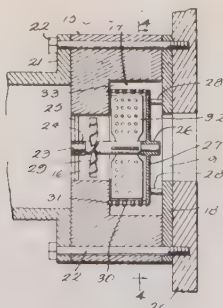
tending through said casing, and a radiator element between the base and hood and having superimposed sections having inner and outer sleeves forming a central air passage and a products of combustion passage about the air passage and between the sleeves, the products of combustion passage having communication with the base and hood and the air passage being closed at its ends and adjacent the ends having necks extending through the outer sleeve.

1,406,112. FLEXIBLE COUPLING. GUSTAVE A. UNGAR, Pelham Manor, N. Y., assignor to F. R. Blair & Co., Inc., New York, N. Y., a Corporation of New York. Filed Dec. 11, 1919. Serial No. 344,029. 19 Claims. (Cl. 64—96.)



1. A device of the character described comprising, in combination, a driving member and a driven member, each comprising a spider having arms, and means for attaching a flexible torque transmitting element to said arms with the arms of one spider alternating with those of the other around the axis of rotation, said flexible element including a strip of fabric reversely folded intermediate its ends to provide superposed plies opposite the spider arms.

1,406,113. MIXING DEVICE. WILLIS A. VAN VOORHIS and LAWRENCE D. VAN VOORHIS, Graysville, Tenn. Filed Sept. 29, 1920. Serial No. 413,597. 9 Claims. (Cl. 48—180.)

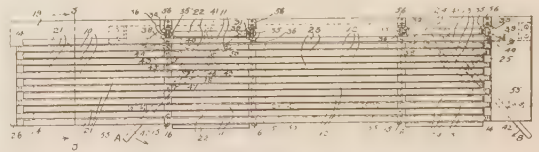


1. In a device of the character described, a casing for connection between the carburetor and intake manifold of an internal combustion engine, having a propeller chamber and an atomizing chamber in communication with each other, a surrounding screen element disposed within the atomizing chamber and spaced from the side thereof for forming a passage surrounding the screen element, an imperforate plate closing one side of the screen element, a fan rotatable within the screen element, a propeller within the propeller chamber and driving the fan, and separate means for introducing gases into the passage.

1,406,114. CRATE-FORMING APPARATUS. FRANK F. VARELA, Santa Ana, Calif. Filed June 1, 1920. Serial No. 385,637. 2 Claims. (Cl. 140—25.)

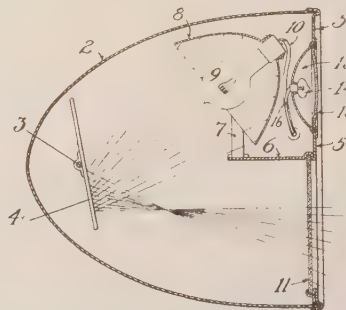
1. An apparatus of the class described, comprising a table upon which a plurality of crate slats may be assem-

bled in proper position to receive the crate tie wires, a plurality of vertically disposed shafts each provided with



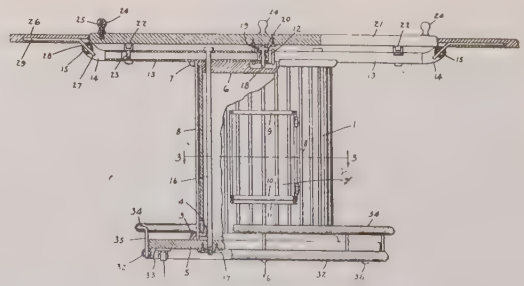
an upstanding pin and lug between which the ends of said tie wires are adapted to pass, and means for rotating said shafts.

1,406,115. HEADLIGHT FOR VEHICLES. RAYMOND VERCH, Albany, N. Y. Filed Feb. 1, 1921. Serial No. 441,696. 1 Claim. (Cl. 240—41.)



A headlight for vehicles comprising a casing having a reflector adjustably mounted in the rear end thereof and means for adjusting said reflector from outside the casing; a face plate over the open end of said casing and having an opening through the lower half thereof said opening covered by a sheet of glass, and a recess formed in the face of the upper half of said face plate; a shelf on the inner side of the face plate, an electric lamp with a reflector mounted above said shelf; and a second electric lamp mounted in said recess.

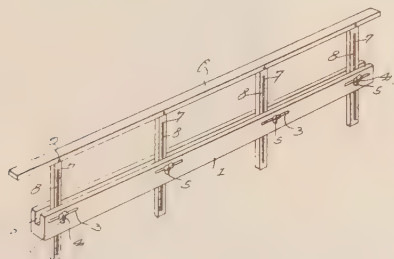
1,406,116. REMOVABLE-PETAL DINING TABLE. JOSEPH T. VILES, Indianapolis, Ind. Filed Oct. 27, 1920. Serial No. 419,951. 4 Claims. (Cl. 45—9.)



3. In a table construction, a hollow pedestal, a supporting base for said pedestal, a frame-like structure above the pedestal comprising a plurality of pipe sections radiating from the end of said pedestal, a coupling connecting the inner ends of said pipe sections, a circular ring connecting the outer ends of the pipe sections, bolts extending vertically through the pipe sections of the frame-like member of the pedestal and base for locking them together, a table top rotatably mounted above the

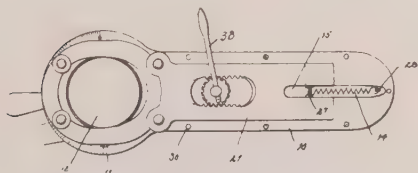
frame structure, and a plurality of removable sections adapted to be positioned around the peripheral edge of the table top and connected with said ring.

1,406,117. TEMPLATE. HAROLD E. VROOMAN, South Jacksonville, Fla. Filed Feb. 7, 1919. Serial No. 275,587. 1 Claim. (Cl. 33—176.)



In a template, a frame formed with a medial longitudinal slot extending transversely therethrough, a flexible conformator blade, arms pivotally connected to the conformator blade at various points in its length, the said arms being formed with longitudinal slots, the said frame being further formed with narrow and relatively long slots crossing the first said slot, and bolts passing through the last said slots and the slots in the arms, whereby the sides of the frame may be clamped against the arms for the useful purpose herein specified.

1,406,118. LENS-TESTING DEVICE. ROY M. WAHLGREN, Omaha, Nebr., and EARLE J. R. BEATTEY, Providence, R. I., assignors to Riggs Optical Company, Omaha, Nebr., a Corporation of Nebraska. Filed July 6, 1920. Serial No. 394,361. 2 Claims. (Cl. 88—56.)

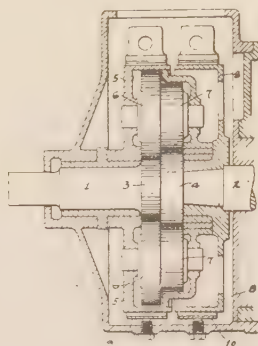


1. A lens-testing device comprising a frame, a pair of oppositely-slidable members mounted in said frame, each carrying means for gripping a lens between them, oppositely-disposed rack teeth on each of said members, a gear engaging said rack teeth of both members whereby a movement of said gear moves said members in opposite directions to grip or release the lens, a spring normally moving said members to grip the lens, and rotatable means for carrying a cooperating test-lens.

1,406,119. COUPLING DEVICE FOR POWER-TRANSMISSION MECHANISM AND BRAKE APPARATUS FOR AN AUTOMOBILE. MASANORI WATANABE, Tokyo, Japan, assignor to Kyokuto Jidoshia Kogyo Co., Ltd., Tokyo, Japan. Filed July 30, 1920. Serial No. 400,095. 4 Claims. (Cl. 74—34.)

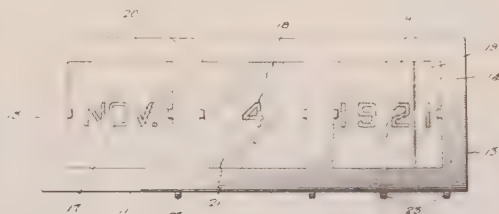
1. In a power driven mechanism, driving and driven shafts, a disk rotatable independently of the shafts, gear wheels carried by the adjacent ends of the shafts, planetary gearing carried by the disk and intermeshing with the

gear wheels of the shafts, a brake drum carried by the driven shaft, brake bands arranged to cooperate with the disk and drum, means normally tending to contract one of said bands, a band controlling lever, and means connect-



ing said band controlling lever with said brake band whereby upon actuation of the lever the respective bands are simultaneously contracted and expanded to grip and release the disk and drum.

1,406,120. DESK CALENDAR. MAURICE W. WATERS, Detroit, Mich. Filed Apr. 11, 1921. Serial No. 460,343. 1 Claim. (Cl. 40—117.)



A device of the class described comprising a casing having an inclined top provided with a plurality of openings and having a plurality of spaced vertically disposed slots formed in the front wall thereof, a plurality of spaced partitions disposed in said casing, a plurality of rollers journaled in suitable bearings in said partitions adjacent to the front and rear walls of said casing, a plurality of endless belts surrounding said rollers bearing suitable indicia, and a plurality of knurled disks extending through said slots and adapted to engage said belts.

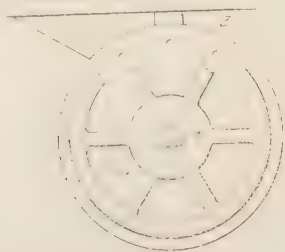
1,406,121. EXPLOSIVE. GUILLAUME WEBER, Hayange, France, assignor to Société les Petits Fils de Francois de Wendel et Cie., Paris, France. Filed Sept. 27, 1919. Serial No. 326,974. 6 Claims. (Cl. 52—1.)

1. An explosive comprising a combustible organic substance adapted to absorb liquid air, a silicid and liquid air.

1,406,122. VEHICLE WHEEL. JESSE C. WELCH, Tacoma, and WILLIAM FRANCIS ALTENBAUGH, Yeoman, Wash.; said Altenbaugh assignor to said Welch. Filed Apr. 27, 1920. Serial No. 376,903. 4 Claims. (Cl. 301—64.)

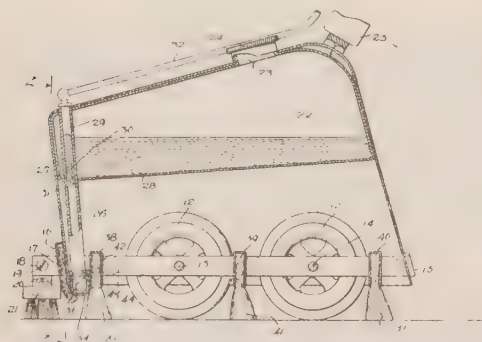
1. A vehicle wheel comprising a circular body portion having a central opening and a plurality of apertures

spaced from the central opening, and a hub cast within the central opening and having flanges formed integrally



therewith overlying opposite faces of the body and joined by integrally cast ties extending through said apertures.

1,406,123. FLOOR-OILING MACHINE. AARON WENGER, Bayonne, N. J. Filed Dec. 15, 1920. Serial No. 431,004. 3 Claims. (Cl. 91—30.)



1. In a machine of the character described, a container adapted to hold a supply of oil, means communicating therewith for distributing said oil transversely to the path of travel of the machine, means for controlling the feed of the oil from the container to the distributing means, and independent elements spaced longitudinally of the machine for respectively effecting the spreading, polishing and finishing of the coating of said oil over the surface to be coated.

1,406,124. FINDER. FREDERICK ALDIS WENMAN, Brooklyn, N. Y. Filed Jan. 28, 1920. Serial No. 354,650. 3 Claims. (Cl. 95—51.)



1. A device of the class described including a support, a finder movably mounted upon such support, such finder

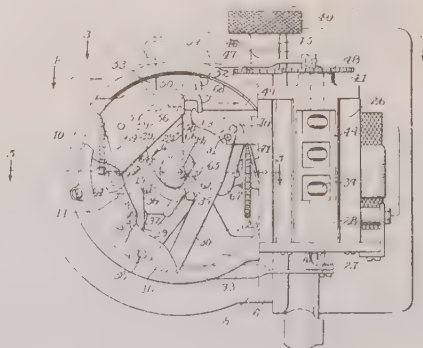
including a base portion, the lower face of such base portion being inclined, a rotatable screw threaded rod extending through said portion, a block mounted upon such rod and bearing with its lower face against the inclined portion, its upper face contacting with the lowermost portion of the finder proper.

1,406,125. SELF-MEASURING STOCK FEEDER. FRANK W. WESTER, Reynolds, N. D. Filed Apr. 10, 1920. Serial No. 372,826. 3 Claims. (Cl. 221—100.)



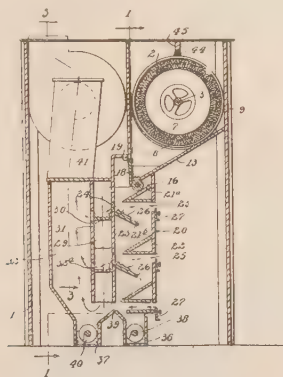
1. A device of the class described having a dispensing portion, a lever to normally close the portion, an operating lever one end of which is in contact with said first named lever, means to urge the levers into such contact, means to normally urge the second lever at the other end away from the dispensing portion, and a cut-off valve for such portion operable by the second lever.

1,406,126. TOTALIZING MEASURING MACHINE. JOHN L. WHEELER, St. Louis, Mo., assignor to The Measure-graph Company, St. Louis, Mo., a Corporation of Delaware. Filed Oct. 11, 1920. Serial No. 416,095. 9 Claims. (Cl. 235—144.)



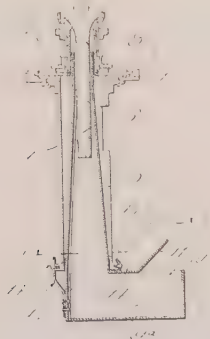
1. In a measuring machine, the combination of a movable member mounted so as to be driven by the goods being measured, an indicating dial for indicating fractions of the unit of measure, a pointer mounted to rotate over said dial, a clutch for driving the same from the movable member, a cam mounted to rotate with the pointer, a totalizer, means actuated by the cam for actuating the totalizer, a hand-operated member for setting back the totalizer to zero, and means also actuated by the hand operated member for opening the clutch and for setting back the indicating pointer to zero.

1,406,127. METHOD AND APPARATUS FOR SEPARATING ONION FROM WHEAT. CYRUS A. WHITTAKER, Freeburg, Ill. Filed Feb. 19, 1921. Serial No. 446,239. 8 Claims. (Cl. 130—18.)



1. The method of separating grain from onion, garlic and screenings, which consists in separating the wheat into different grades, permitting the different grades to descend in streams, developing a partial vacuum on one side of the descending streams and subjecting the streams to substantially horizontal transverse air currents developed by the partial vacuum to remove the onion, garlic and screenings.

1,406,128. KNITTING-MACHINE ATTACHMENT. GEORGE W. WILSON, East Durham, N. C. Filed June 14, 1921. Serial No. 477,485. 4 Claims. (Cl. 66—9.)

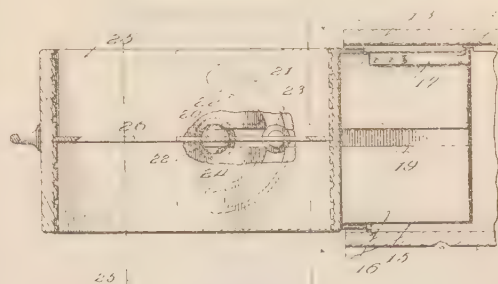


1. The combination with a knitting machine, of a receiving casing for the knitted product having an inlet neck extending upwardly into the cylinder of said machine to prevent the product from coming in contact with any oil on said cylinder, said casing having a closed bottom and an outlet opening, and a guard to prevent any oil on the exterior of said casing from running into the latter through said opening.

1,406,129. STORE-SERVICE CABINET. ALBERT M. WOLTZ, Baltimore, Md., assignor to Solomon Himmel, Baltimore, Md. Filed Feb. 17, 1921. Serial No. 445,836. 16 Claims. (Cl. 45—95.)

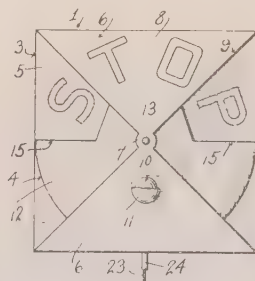
1. In a store service cabinet, a slidably supported base,

a drawer slidably and rotatably engaging said base, and complemental means on the drawer and the base for pre-



venting relative rotation until the drawer reaches the extreme of its sliding movement in one direction.

1,406,130. DIRECTION SIGNAL FOR AUTOMOBILES. FOSTER B. WOMACK, Port Arthur, Tex. Filed July 19, 1921. Serial No. 485,907. 4 Claims. (Cl. 116—47.)

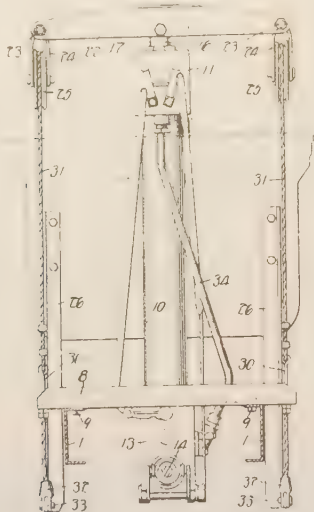


1. In a direction signal, the combination of a body bearing spaced letters, a face plate bearing in a position between the first-named letters a portion of the word comprising said first-named letters, and a movable indicating member interposed between the body and the face plate and constructed and arranged in one position to expose the letters on the body.

1,406,131. DUMPING TRUCK. GARFIELD A. WOOD, Detroit, Mich. Original application filed Dec. 26, 1916. Serial No. 138,762. Divided and this application filed May 9, 1918. Serial No. 233,544. 8 Claims. (Cl. 298—22.)

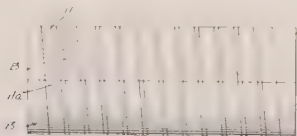
4. In combination with the side bars of a vehicle, and a body pivoted near the rear end thereof to tip, an upright guide centrally mounted on the vehicle forward of the body, a member reciprocable in respect thereto and projecting upwardly therefrom, a cross bar supported by the reciprocable member and tiltable transversely of the vehicle,

pulleys supported on the cross bar outside of the vertical planes through the corresponding side bars and rotatable



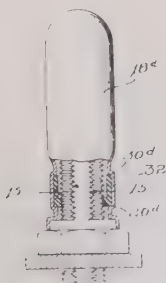
about axes extending transversely of the vehicle, and cables passing over the pulleys and connected to the body outside of said side bars.

1,406,132. METHOD AND MEANS FOR PRINTING. LOUIS ETHELBERG WOODARD, Cincinnati, Ohio. Filed June 14, 1921. Serial No. 477,366. 4 Claims. (Cl. 101—395.)



4. A matrix formed of two semi-cylindrical sections having the matter impressed therein disposed on oblique lines, the lines of one section registering with those of the other section to produce a continuous spiral line when said sections are juxtaposed to form a cylinder.

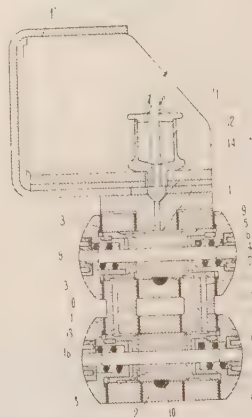
1,406,133. QUICK-DETACHABLE CAP. CARROLL D. WRIGHT, Webster, N. Y. Filed Dec. 14, 1920. Serial No. 430,677. 4 Claims. (Cl. 152—12.)



1. A quick detachable cap comprising a cap body provided with a pair of resilient devices on the interior and opposite walls thereof, separated at their ends to permit

the fitting of the cap body to a suitable anchoring body, and to yieldingly engage the threads of said anchoring body on the rotation of the cap body after such fitting.

1,406,134. VEHICLE SPRING. RODOLFO ZEPPEGNO, Turin, Italy, assignor to Lancia & C., Turin, Italy, a Corporation of Italy. Filed Sept. 17, 1920. Serial No. 410,936. 5 Claims. (Cl. 267—54.)



1. A device for connecting the vehicle springs with the vehicle frame comprising a member solid with the frame and providing an eye, eyes on the end of the main spring leaf, a stud engaged in all said eyes, heads freely mounted on said stud, a shank passing through said stud and heads, nuts at the ends of said shank and springs located between said heads and nuts for forcing said heads against the adjacent parts.

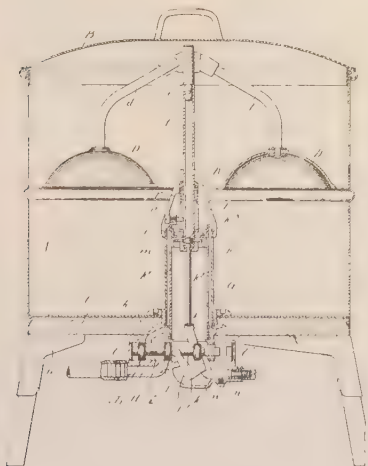
1,406,135. TABLEWARE. CHARLES ABRELL, Redding, Calif. Filed Nov. 29, 1920. Serial No. 427,041. 1 Claim. (Cl. 30—22.)



A spoon or like handle comprising a relatively narrow shank having a widened upper end portion forming a finger piece, one edge of said finger piece curving inwardly to the shank to form the usual curved shoulder at one edge of the handle, the other edge of said handle having a lateral extension divided from the finger piece throughout the upper half of its length by a curved slit opposite said curved shoulder, said extension being bent backwardly and

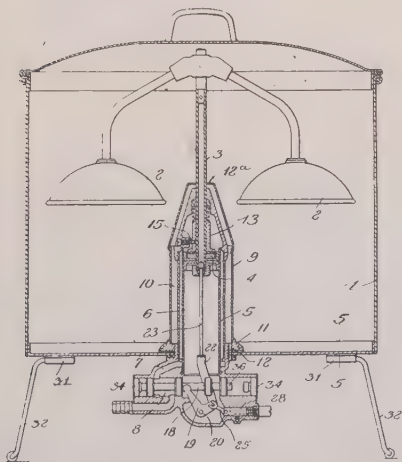
away from the finger piece forming a hook on the shank and leaving a second curved shoulder opposite to and uniform with the aforesaid shoulder.

1,406,136. CLOTHES-WASHING MACHINE. FRANK A. ADAMS, Rochester, N. Y., assignor to Burt C. Olney, Rome, N. Y., and Florence C. Dailey, Rochester, N. Y. Filed Apr. 21, 1921. Serial No. 463,176. 13 Claims. (Cl. 259—102.)



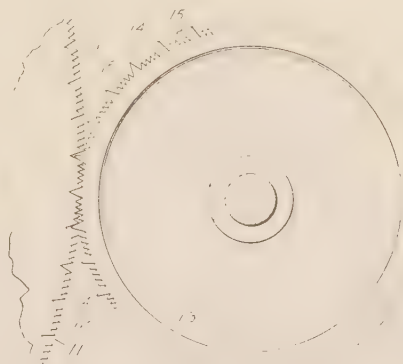
1. The combination with a receptacle, of a carrier, and fluid-controlled instrumentalities for imparting an intermittent rotative movement to said carrier.

1,406,137. CLOTHES-WASHING MACHINE. FRANK A. ADAMS, Rochester, N. Y., assignor to Burt C. Olney, Rome, N. Y., and Florence C. Dailey, Rochester, N. Y. Filed May 21, 1921. Serial No. 471,321. 7 Claims. (Cl. 259—102.)



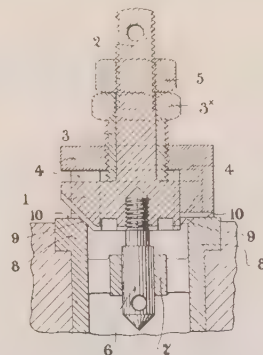
1. The combination with a receptacle, of an agitating device, a carrier for the agitating device, a fluid motor arranged within the receptacle for actuating said agitating device, and a jacket surrounding said motor and spaced therefrom to afford an insulating space.

1,406,138. APPARATUS FOR DRESSING PULP-WOOD GRINDSTONES. WILLIAM P. AIKIN, Watertown, N. Y. Filed Dec. 16, 1920. Serial No. 431,126. 4 Claims. (Cl. 125—37.)



1. An apparatus for dressing a pulp-wood grindstone consisting of a burr having a striated peripheral surface with spaced ribs extending radially beyond the striated surface.

1,406,139. TOOL FOR REFACING VALVE SEATS. JOSEPH JAMES ALLEN, Crook, England. Filed Aug. 25, 1921. Serial No. 495,239. 3 Claims. (Cl. 90—125.)

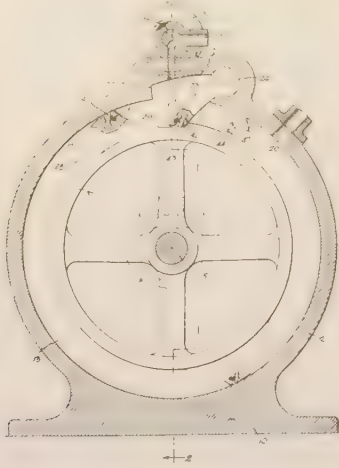


1. A rotary tool for re-facing valve seats; comprising in combination, an angular milled cutter made up of a plurality of segmental jaws formed integral with a central upstanding screwed spindle, a screwed gland slidably mounted on said spindle, a flat milled cutter carried by said slidably mounted screwed gland and having a plurality of segmental jaws equal in number to and which pass down between the jaws of the angular milled cutter so as to form a sliding fit therewith, the said flat milled cutter being vertically adjustable on and relatively to the angular milled cutter through the medium of the screwed gland, and a lock-nut on the screwed spindle of the angular milled cutter adapted to engage a head formed on the screwed gland by which the two cutters are locked together in the adjusted position.

1,406,140. ROTARY ENGINE. AXEL JULIUS ANDERSON, Brooklyn N. Y. Filed Nov. 24, 1919. Serial No. 340,361. 1 Claim. (Cl. 121—81.)

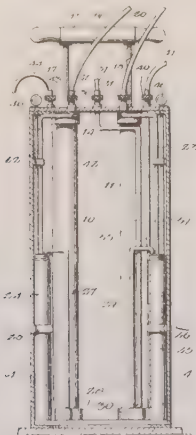
In a rotary engine, the combination of a rotor having an abutment, a cylinder having a stationary wall concentric with the rotor and provided with an inlet and an exhaust port spaced circumferentially from each other at an acute angle, the wall being recessed at the inlet point, a pivoted abutment mounted in the recess and

adapted to nest in the recess or to swing outward therefrom under the force of the admitted fluid, a pivoted tongue carried in the free edge of the abutment, the walls of the cylinder adjacent the pivoted abutment being recessed, and a plurality of stop plates disposed in said



recess, resilient means acting on the stop plates to normally force one end out of the recess to act as a stop for the pivoted abutment, the rotor abutment serving to move the stops and the pivoted abutment into their respective recesses as it passes the same.

1,406,141. RESPIRATORY APPARATUS. GEORGE ANSTON, Shreveport, La. Filed Mar. 5, 1921. Serial No. 449,846. 2 Claims. (Cl. 128-29.)

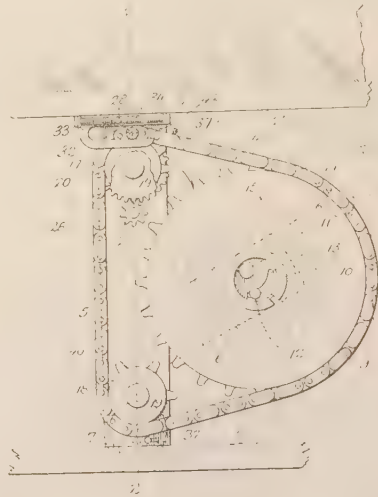


2. An apparatus of the character described including a pair of independent flexible inhaling and exhaling tubes adapted for connection separately and in conjunction with one another to the nostrils, and means for drawing air from the exhaling tube and forcing air through the inhaling tube, and means independent of said last named means whereby air may be blown through the inhaling tube.

1,406,142. CLOSURE OPERATOR. WILLIAM ASBURY, New York, N. Y., assignor to Straight Line Regulator Corporation, New York, N. Y. Filed July 12, 1918. Serial No. 244,649. 16 Claims. (Cl. 268-4.)

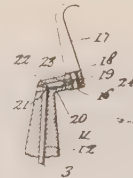
1. In a closure operating mechanism, the combination with a slidable closure member and a guideway in which said closure member is slidably mounted, of operating

means for said closure member, and connections between the closure member and said operating means including



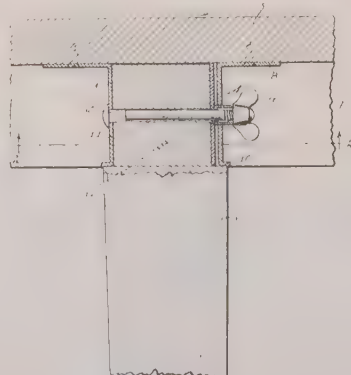
a resiliently operated part constructed normally to exert a pressure between the closure member and the guide-way.

1,406,143. DENTAL INSTRUMENT HOLDER. THOMAS F. BATES, Shelbyville, Tenn. Filed Aug. 1, 1921. Serial No. 488,934. 4 Claims. (Cl. 32-11.)



3. In combination with a tool having a shank with a groove therein, of an implement holder therefor comprising a handle portion with a socketed extension adapted to receive the shank of the tool, a locking pin having a concave end fitting the groove of the shank portion, and means for urging the pin into the groove, substantially as described.

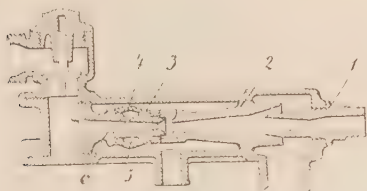
1,406,144. LEG BLOCK. SAM BATTAGLIA, Brooklyn, N. Y. Filed Feb. 24, 1921. Serial No. 447,494. 6 Claims. (Cl. 45-48.)



1. A leg block for furniture, including a plate bent so as to provide a socket adapted to receive the inner end of a leg, a plate of the width of the socket movable

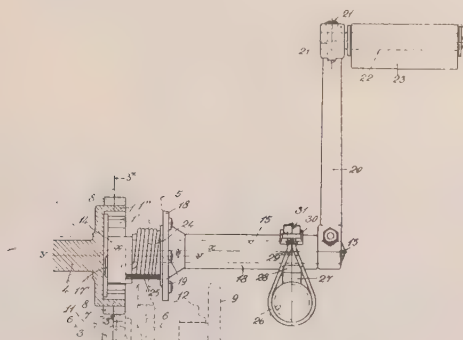
within said socket, a bolt adapted to extend through openings in said leg and each of said plates, and a nut for effecting a movement of said last named plate.

1,406,145. INJECTOR. EMANUEL BLAUHORN, Vienna, Austria, assignor to the Firm of Alex. Friedmann, Vienna, Austria. Filed Dec. 23, 1920. Serial No. 432,817. 4 Claims. (Cl. 162—1.)



1. An injector of the type embodying a delivery nozzle of the tapered form having a chamber in communication with the interior of the delivery nozzle.

1,406,146. INTERMITTENT STARTING DEVICE FOR INTERNAL-COMBUSTION MOTORS. EDMONDO MICHELE BORGO, Turin, Italy. Filed Feb. 25, 1920. Serial No. 361,206. 7 Claims. (Cl. 74—54.)



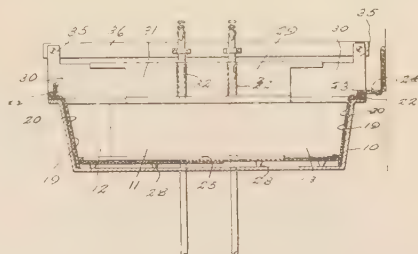
1. An engine starting mechanism, comprising an internally toothed ratchet wheel for the shaft for starting the motor, a starting crank shaft whose axis is off-set from the center of said wheel, and a pawl carried on said crank shaft for engagement with said ratchet teeth, whereby said pawl will travel in a path eccentric to the ratchet teeth to automatically engage and disengage said teeth.

5. An engine starting mechanism comprising an internally toothed ratchet wheel, a rotatable crank shaft, a head thereon, a pawl in said head arranged to engage said teeth during a partial revolution, a yielding stop for said head and a coil spring on said shaft to return the shaft to initial position and the head against said stop.

1,406,147. SINK LINING. MARY A. BRADY, New York, N. Y. Filed Aug. 1, 1921. Serial No. 488,937. 4 Claims. (Cl. 4—36.)

1. A sink lining comprising front, back and side walls, a separate perforated bottom having its edges in contacting engagement with the front, back and side walls, means extending downwardly from the bottom to space

the latter above the bottom of the sink, a sectional splash plate and a drip flange extending along the lower edge



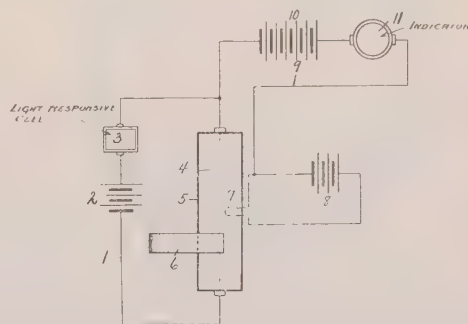
of the splash plate for engagement over the rear wall of the lining.

1,406,148. BAND OF CELLULOSIC MATERIAL. JACQUES EDWIN BRANDENBERGER, Bezons, France, assignor to La Sté Ame: "La Cellophane," Paris, France. Filed Jan. 25, 1921. Serial No. 439,879. 6 Claims. (Cl. 93—84.)



1. A band of generally non-fibrous, cellulosic material folded longitudinally upon itself to form a multi-ply strip which presents a differently-colored appearance from the original material, and the external or marginal edges of which are produced directly by the folding operation.

1,406,149. ELECTRICAL DEVICE. THEODORE WILLARD CASE, Scipio, N. Y. Filed Jan. 22, 1918. Serial No. 213,229. 11 Claims. (Cl. 179—171.)



1. In combination, a vacuum vessel, a magnetic fibre transversing the vessel, an electrode sealed within the vessel, means for heating the electrode, and a magnetic field with lines of force intersecting the fibre for deflecting the fibre with relation to said electrode.

1,406,150. SURVEYOR'S INSTRUMENT AND RANGE FINDER. JOHN CESERANI, Butte, Mont., assignor of one-third to George Wrightson, and one-third to Frank W. Carpino, Butte, Mont. Filed Nov. 8, 1919. Serial No. 336,620. 4 Claims. (Cl. 33—65.)

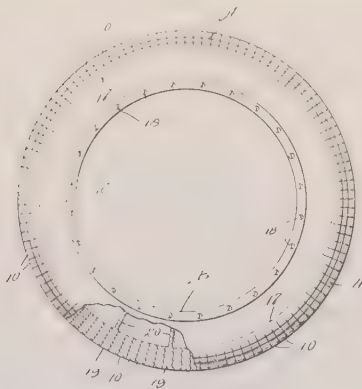
4. In an instrument of the character described, a base, a stand secured to the base and provided with a segmental opening and having a scale near the curved portion of the opening, a sighting instrument carried by the stand, an upper base pivoted to the lower base to be angularly arranged with relation to said stand, a carriage

adjustably mounted upon the upper base to be shifted transversely thereof, and a second sighting instrument secured to the carriage, and means suspended upon the



stand and operating within the scale opening to determine the deviation from the horizontal to permit of correction of the error of the findings of the sighting instruments due to the deviations from the horizontal.

1,406,151. TIRE. MANUEL CHARLES, Mexico, Mexico. Filed Apr. 15, 1921. Serial No. 461,590. 4 Claims. (Cl. 152—1.)

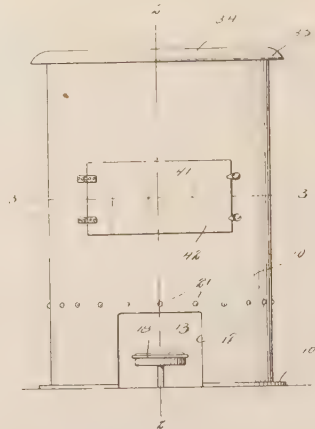


4. A tire comprising a plurality of units arranged in face to face contact and constituting the tread of the tire, said units being formed to unitedly define continuous grooves about the periphery of the tire, tying elements arranged in said grooves for holding the units together and compressing the same, side walls projecting from said tread and adapted to be stretched into engagement with a tire carrying rim, and means within the tire for connecting the side walls at spaced points.

1,406,152. STOVE. ARTHUR B. CLARK, Dyerville, Calif. Filed Nov. 5, 1920. Serial No. 422,016. 2 Claims. (Cl. 126—39.)

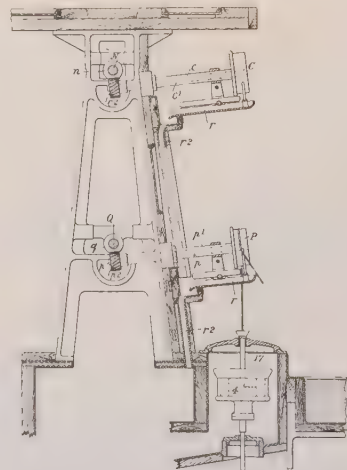
1. A stove comprising an outer casing, a chamber provided in the bottom of the casing and adapted to contain a source of heat, a heat chamber located at the top of the casing, an intermediate chamber located between the bottom chamber and heat chamber for providing an oven, an insulated bottom for said oven, an inner casing of relatively smaller diameter arranged within the oven and

spaced from the outer casing, an insulating lining between the inner and outer casings, said lining and casing terminating short of the top of the outer casing and forming



a shoulder for supporting the top of the oven, an insulating lining for the oven top, and insulated walls for the top and sides of the heat chamber.

1,406,153. APPARATUS EMPLOYED IN THE MANUFACTURE OF ARTIFICIAL SILK. JAMES CLAYTON, Coventry, England, assignor to The Viscose Company, Marcus Hook, Pa., a Corporation of Pennsylvania. Filed Sept. 5, 1919. Serial No. 321,992. 3 Claims. (Cl. 18—8.)



1. In apparatus for spinning artificial silk, or the like, a spinning device and driven roller guide means having different peripheral speeds, and over which a thread may be passed, alternatively at higher or lower speed, to the spinning device, the roller guide of lower peripheral speed affording means which facilitates the initial feed of the thread to the spinning device.

1,406,154. APPARATUS FOR OPERATING WINDOW FRAMES OR SASHES. HENRI COLOMBELLE, Le Raincy, France. Filed July 2, 1920. Serial No. 393,762. 2 Claims. (Cl. 268—17.)

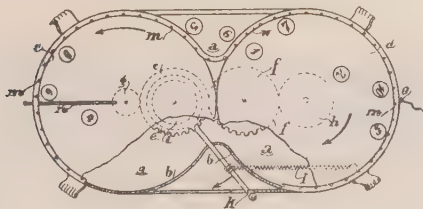
1. Apparatus for operating windows, comprising lazy-tongs pivoted to the window, a pivoted extensor for the lazy-tongs, one of its sides prolonged to form an operating lever, a fixed catch, a rack pivoted at the end of said extensor held normally in engagement with said catch,

a spring acting on said rack, and a cord one end of which is connected to the lever controlling the movements of the lazy tongs for causing the window frame to open, while the other end is connected to the free end of the rack,



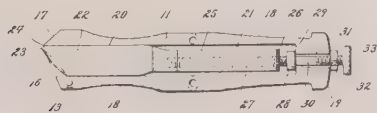
for disengaging said rack from said catch to permit actuation of the lazy tongs, said spring causing automatic engagement of the rack with the catch when the cord is released.

1,406,155. RACE GAME. Max CONDÉ, Berlin-Wilmersdorf, Germany. Filed Jan. 29, 1920. Serial No. 354,958. 3 Claims. (Cl. 46—56.)



1. In a game of the class described, a pair of discs arranged side by side and mounted for rotation, means to simultaneously rotate the discs in reverse directions and at unequal rates of speed, and means to guide game pieces from one disc to the other.

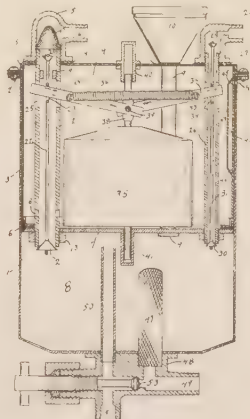
1,406,156. STEPPING TOOL. EDWARD J. COTTER and ROY E. COTTER, Philadelphia, Pa. Filed Dec. 20, 1919. Serial No. 346,206. 1 Claim. (Cl. 30—20.)



In a tool for cutting one or more plies or folds from a sheet of material, comprising a hollow handle having an obtuse end and a restricted passage entering from the said end of the bore proper of the handle, a blade slidable through the restricted passage and having its cutting edge arranged at an obtuse angle, said blade having its inner end offset and extended to provide a shank that is received in the bore proper of the handle and the end of the said shank being arranged at an angle and provided with a threaded opening, a bolt member passing through the end of the handle opposite that provided with the restricted passage and received through the threaded opening in the angle end of the shank, a knurled operating element for the bolt arranged on the outer end thereof, means for holding the bolt against longitudinal movement in the bore of the handle, and means for locking

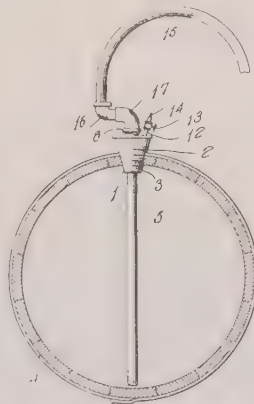
the bolt on the handle to prevent the turning thereof when the same has been actuated to project or retract the knife with respect to the handle.

1,406,157. FUEL-FEEDING SYSTEM FOR INTERNAL-COMBUSTION MOTORS. JOSEPH C. COULOMBE, Draught, Mass. Filed Sept. 30, 1918. Serial No. 256,246. 14 Claims. (Cl. 158—36.)



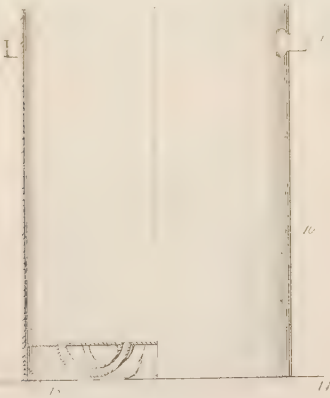
12. In a device of the character described, a receptacle comprising two chambers, the lower chamber composed of an upwardly opening vessel having a rim flange extending away from its axis, the upper chamber telescoping into said lower chamber, said upper chamber having a non-removable top with a rim flange extending away from its axis, and a removable bottom for said upper chamber.

1,406,158. LIQUID CONVEYER. ERNEST W. CRANE, Buena Vista, Fla., assignor of one-half to Charles H. Cooper, Buena Vista, Fla. Filed Nov. 30, 1917. Serial No. 204,682. 1 Claim. (Cl. 221—74.)



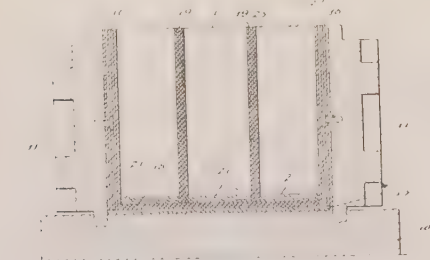
A dispensing attachment consisting of a bung, a discharge pipe carried thereby capable of axial and longitudinal adjustment relatively thereto, reversely connected elbow members, said pipe extending from one of said members, an arch-shaped spout extending from the other of said members, said bung having a bore in which said discharge pipe is disposed and an inlet passage-way for compressed air, and said passage way having a substantially straight portion at the inner extremity communicating with said bore and open at the inner end of the bung.

1,406,159. COOKING VESSEL. EDWARD G. ROWLEY, Newark, N. J., assignor of one-half to Sun Typewriter Company, Newark, N. J., a Corporation of New Jersey. Filed Dec. 8, 1920. Serial No. 429,056. 2 Claims. (Cl. 53-8.)



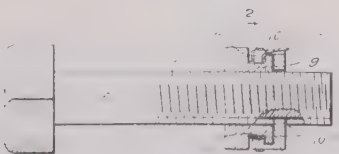
1. A heating vessel comprising a hollow body having a tight bottom, a depending guard element circumadjacent the bottom and forming with said bottom a heating chamber and radially disposed tubular loops fixed at their ends in said bottom and disposed in said chamber whereby the exposed heat area of the bottom is increased.

1,406,160. PROCESS OF MANUFACTURE OF RUBBER JARS. LOUIS E. KLUG, Indianapolis, Ind., assignor to Rub-Tex Products, Inc., Indianapolis, Ind., a Corporation of Indiana. Filed Oct. 24, 1921. Serial No. 509,828. 8 Claims. (Cl. 18-56.)



1. The process of making a partitioned jar, which consists in building up the bottom and walls of the jar of sheets of suitable rubber material, which sheets have previously been built up of a plurality of plies pressed together in a calender so that each sheet is itself laminated, putting one or more partitions of similar sheet rubber material in place in such jar, and subjecting the material to heat and pressure to produce coalescing of the partitions, walls, and bottom where they meet.

1,406,161. NUT LOCK. JOHN J. SAMMONS, Amarillo, Tex. Filed Jan. 8, 1921. Serial No. 435,784. 4 Claims. (Cl. 151-29.)

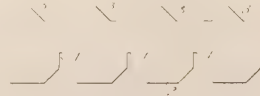


1. The combination with a bolt, of a nut adapted to be screwed thereon by a turning movement, a follower

connected to the nut to move longitudinally therewith, means for holding said follower against turning with respect to the bolt and a pawl and ratchet mechanism between the follower and the nut.

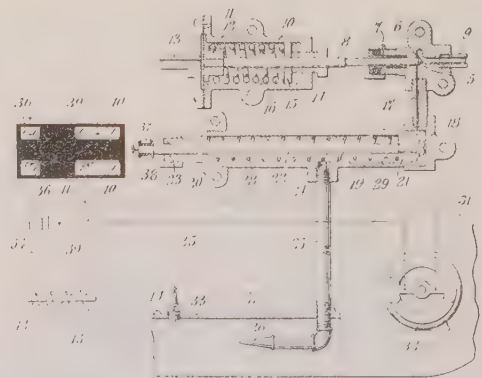
REISSUES.

15,280. STRIP SHINGLE. HERBERT ABRAHAM, New York, N. Y., assignor to The Ruberoid Co., a Corporation of New Jersey. Filed July 7, 1921. Serial No. 483,063. Original No. 1,326,899, dated Jan. 6, 1920. Serial No. 258,703, filed Oct. 18, 1918. 11 Claims. (Cl. 108-7.)



1. A multiple shingle-strip, having spaced nailing tabs along its upper edge, and having its lower edge formed of a series of straight lines extending parallel to the major axis of the strip, with intervening cut-out portions corresponding substantially in shape to the nailing tabs and disposed in staggered relation thereto, whereby, when the strips are laid as described, not more than two square feet of shingle material are required to waterproof each square foot of roof surface.

15,281. FUEL-BURNING APPARATUS. ERA C. JACOBSON, Chicago, Ill., assignor, by mesne assignments, to American Steam Truck Company, Chicago, Ill., a Corporation of Delaware. Filed Nov. 22, 1921. Serial No. 517,089. Original application filed Mar. 29, 1920. Serial No. 369,800. Renewed May 9, 1921, Serial No. 468,046. Original No. 1,391,385, dated Sept. 20, 1921. 16 Claims. (Cl. 158-28.)

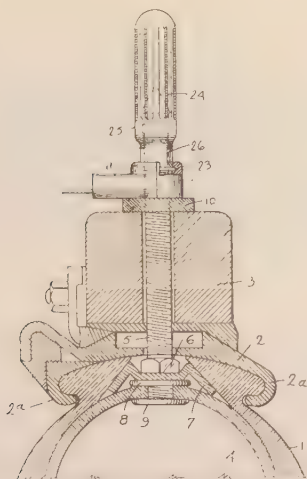


11. A liquid fuel burning apparatus, including a fuel spraying device together with means for initially supplying fuel to the apparatus in an atmosphere insufficient for complete combustion, and means responsive to the flow of fuel to the apparatus for initiating an air supply for more complete combustion, for the purpose set forth.

15,282. TIRE LOCK. HENRI G. LEVY, San Francisco, Calif., assignor to Robert H. Butters, Atlanta, Ga. Filed Aug. 15, 1921. Serial No. 492,507. Original No. 1,370,977, dated Mar. 8, 1921, Serial No. 213,619, filed Jan. 24, 1918. 7 Claims. (Cl. 70-122.)

1. In combination, an inflatable vehicle tire having an inflating valve provided with a dust cap, a felly through which said valve projects, and a lock adapted to bear against the felly and to engage the dust cap and

comprising two complementary members having semicircular portions to form a circular opening adapted to receive the valve below the dust cap thereof, said opening having at least one flattened surface to engage a corresponding surface on the valve, at least one of the mem-

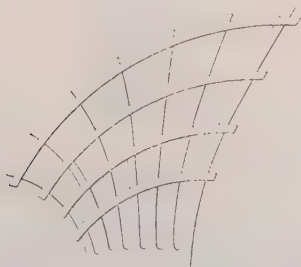


bers having means engageable with the lower portion of the dust cap to prevent an axial movement thereof relative to the valve, and a key controlled locking means for securing said members in and releasing them from effective locking position.

DESIGNS.

60,301. [WITHDRAWN.]

60,302. BACK COMB OR SIMILAR ARTICLE. WILLIAM S. BECHTOLD, Newark, N. J. Filed Apr. 29, 1921. Serial No. 465,545. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a back comb or similar article, as shown.

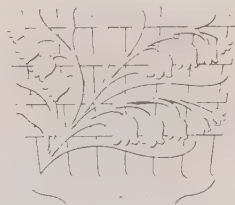
295 O. G.—11

60,303. BACK COMB OR SIMILAR ARTICLE. WILLIAM S. BECHTOLD, Newark, N. J. Filed Apr. 29, 1921. Serial No. 465,546. Term of patent $3\frac{1}{2}$ years.



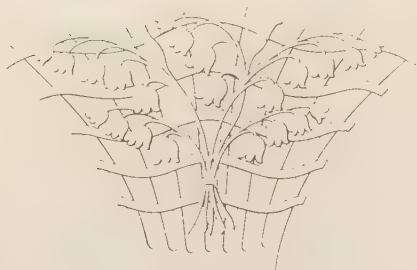
The ornamental design for a back comb or similar article, as shown.

60,304. BACK COMB OR SIMILAR ARTICLE. WILLIAM S. BECHTOLD, Newark, N. J. Filed Apr. 29, 1921. Serial No. 465,547. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a back comb or similar article, as shown.

60,305. BACK COMB OR SIMILAR ARTICLE. WILLIAM S. BECHTOLD, Newark, N. J. Filed Apr. 29, 1921. Serial No. 465,548. Term of patent $3\frac{1}{2}$ years.



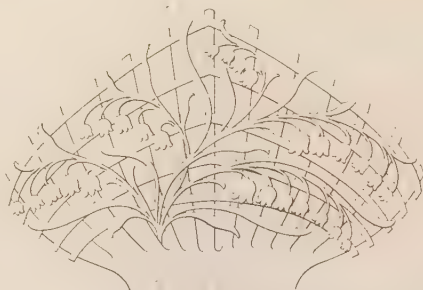
The ornamental design for a back comb or similar article, as shown.

60,306. BACK COMB OR SIMILAR ARTICLE. WILLIAM S. BECHTOLD, Newark, N. J. Filed Apr. 29, 1921. Serial No. 465,549. Term of patent $3\frac{1}{2}$ years.



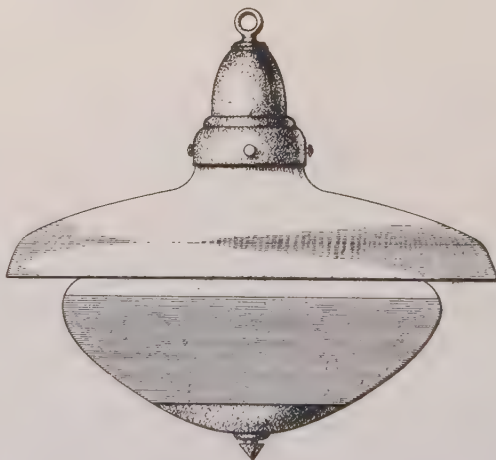
The ornamental design for a back comb or similar article, as shown.

60,307. BACK COMB OR SIMILAR ARTICLE. WILLIAM S. BECHTOLD, Newark, N. J. Filed Apr. 29, 1921. Serial No. 465,550. Term of patent $3\frac{1}{2}$ years.



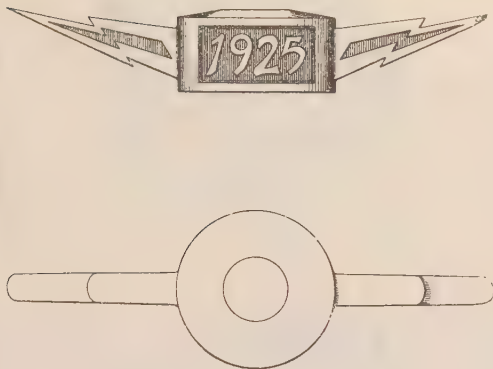
The ornamental design for a back comb or similar article, as shown.

60,308. LIGHTING FIXTURE. WILLIAM T. BLACKWELL, Westfield, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Mar. 30, 1921. Serial No. 457,066. Term of patent 14 years.



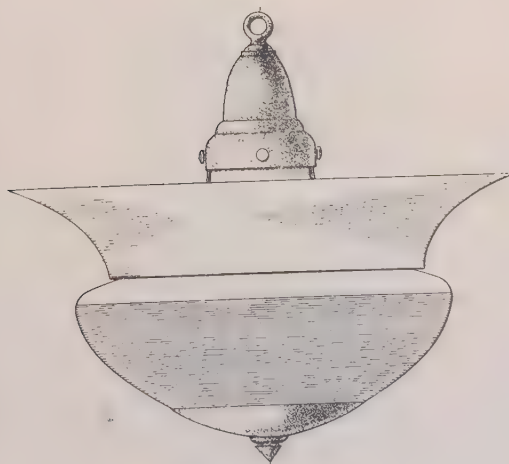
The ornamental design for a lighting fixture as shown.

60,309. RADIATOR CAP. HARLIE A. BLACKWELL and FRANCIS P. MYERS, Portland, Oreg. Filed Aug. 30, 1921. Serial No. 497,067. Term of patent $3\frac{1}{2}$ years.



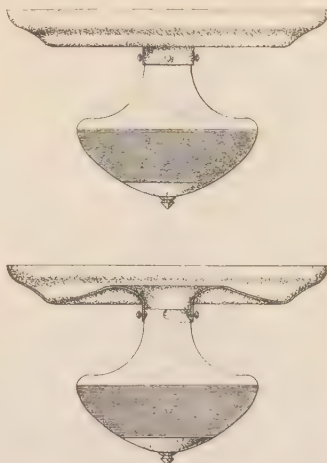
The ornamental design for a radiator cap as shown.

60,310. LIGHTING FIXTURE. WILLIAM T. BLACKWELL, Westfield, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Mar. 30, 1921. Serial No. 457,067. Term of patent 14 years.



The ornamental design for a lighting fixture as shown.

60,311. LIGHTING FIXTURE. WILLIAM T. BLACKWELL, Westfield, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Mar. 30, 1921. Serial No. 457,068. Term of patent 14 years.



The ornamental design for a lighting fixture as shown.

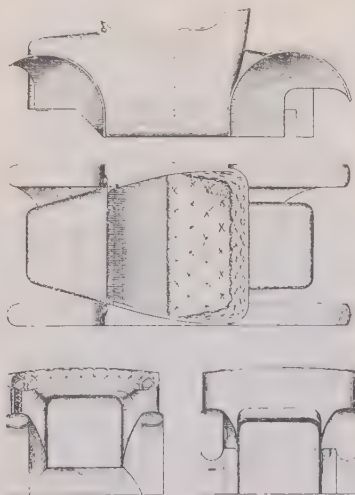
60,312. [WITHDRAWN.]

60,313. ORNAMENTAL PAPER-STRIP ENVELOPE BAND. GEORGE R. BURKHARDT, Holyoke, Mass., assignor to White & Wyckoff Manufacturing Company, Holyoke, Mass., a Corporation of Massachusetts. Filed Oct. 25, 1919. Serial No. 333,410. Term of patent 7 years.



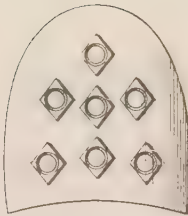
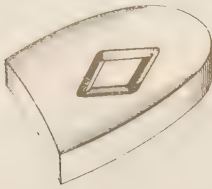
The ornamental design for an ornamental paper strip envelope band, substantially as shown.

60,314. ELECTRIC AUTOMOBILE BODY. WILLIAM C. CARR, Buffalo, N. Y., assignor to The Automatic Transportation Company, Buffalo, N. Y., a Corporation of Arizona. Filed Sept. 10, 1921. Serial No. 499,822. Term of patent 14 years.



The ornamental design for an electric automobile body, as shown.

60,315. RUBBER HEEL. ROCCO CATERINI, Archbald, Pa.
Filed Apr. 26, 1920. Serial No. 376,865. Term of patent 14 years.

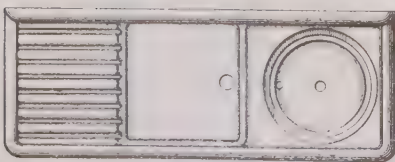
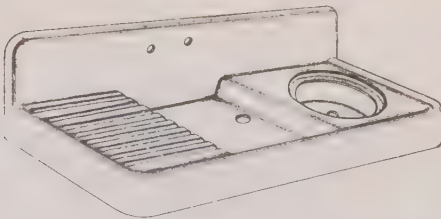


The ornamental design for a rubber heel as shown.

60,316. [WITHDRAWN.]

60,317. [WITHDRAWN.]

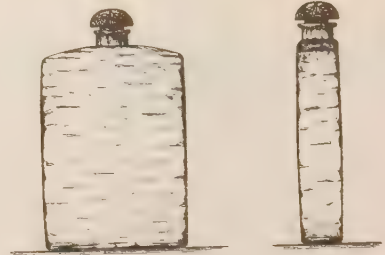
60,318. SINK STRUCTURE. FREDERICK D. CLINTON,
Milwaukee, Wis. Filed Sept. 9, 1921. Serial No. 499,587. Term of patent 14 years.



The ornamental design for a sink structure, substantially as shown.

60,319. [WITHDRAWN.]

60,320. BOTTLE. FRANCOIS JOSEPH DE SPOTURNO COTY,
Paris, France. Filed Apr. 20, 1921. Serial No. 463,075.
Term of patent 3½ years.



The ornamental design for a bottle substantially as shown.

60,321. [WITHDRAWN.]

60,322. HEADLIGHT. CHARLES F. DAMM, Buffalo,
N. Y. Filed Mar. 14, 1921. Serial No. 452,331. Term
of patent 7 years.



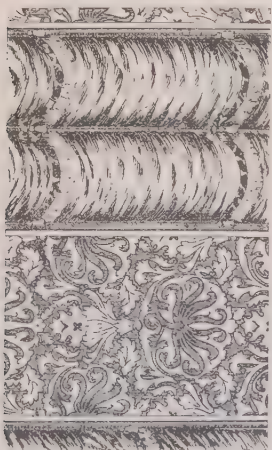
The ornamental design for a headlight, as shown.

- 60,323. AUTOMOBILE ORNAMENT. HARRY I. DAVIDSON, Portland, Oreg. Filed Aug. 27, 1921. Serial No. 496,178. Term of patent $3\frac{1}{2}$ years.



The ornamental design for an automobile ornament, as shown.

- 60,324. FABRIC. WILLIAM DOWLING, New York, N. Y., assignor to Golding Bros. Company, New York, N. Y., a Corporation of New York. Filed Nov. 3, 1921. Serial No. 512,638. Term of patent 7 years.



The ornamental design for a fabric, as shown.

- 60,325. COMBINED RAZOR AND BLADE HOLDER. JOHN E. DREW, Jersey City, N. J., assignor to Durham Duplex Razor Company, New York, N. Y., a Corporation of New York. Filed Aug. 5, 1921. Serial No. 490,144. Term of patent 14 years.



The original design for a combined razor and blade holder as shown.

- 60,326. RUBBER HEEL. OTTO EICK, St. Louis, Mo. Filed Aug. 25, 1921. Serial No. 495,401. Term of patent 7 years.



The ornamental design for a rubber heel as shown.

- 60,327. [WITHDRAWN.]

- 60,328. [WITHDRAWN.]

- 60,329. FABRIC. GEORGE GEGENHEIMER, Baldwin, N. Y., assignor to Golding Bros. Company, New York, N. Y., a Corporation of New York. Filed Nov. 22, 1921. Serial No. 517,122. Term of patent 7 years.



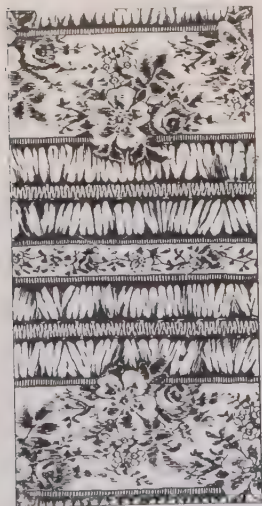
The ornamental design for a fabric, as shown.

60,330. FABRIC. GEORGE GEGENHEIMER, Baldwin, N. Y., assignor to Golding Bros. Company, New York, N. Y., a Corporation of New York. Filed Nov. 30, 1921. Serial No. 519,002. Term of patent 7 years.



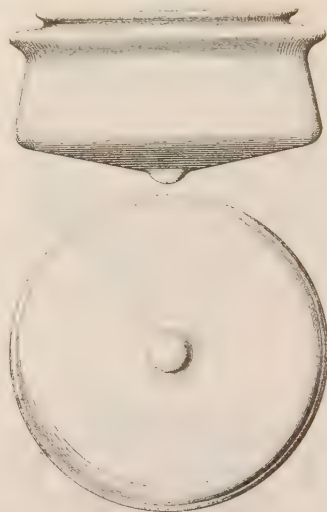
The ornamental design for a fabric, as shown.

60,331. FABRIC. GEORGE GEGENHEIMER, Baldwin, N. Y., assignor to Golding Bros. Company, New York, N. Y., a Corporation of New York. Filed Nov. 30, 1921. Serial No. 519,001. Term of patent 7 years.



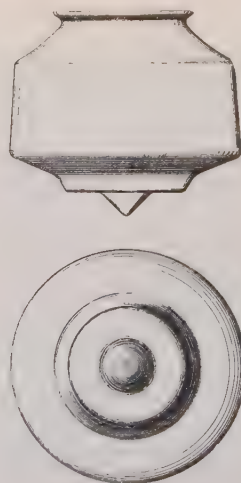
The ornamental design for a fabric, as shown.

60,332. GLASS LIGHTING BOWL. EDGAR A. GILLINDER, Philadelphia, Pa., assignor to Gillinder & Sons, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 17, 1921. Serial No. 470,486. Term of patent 7 years.



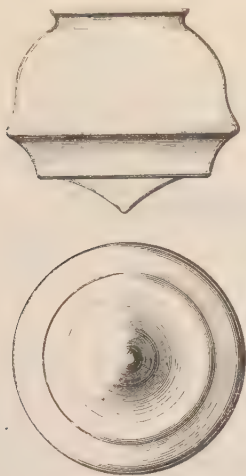
The ornamental design for a glass lighting bowl as shown.

60,333. GLASS LIGHTING BOWL. EDGAR A. GILLINDER, Philadelphia, Pa., assignor to Gillinder & Sons, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 17, 1921. Serial No. 470,487. Term of patent 7 years.



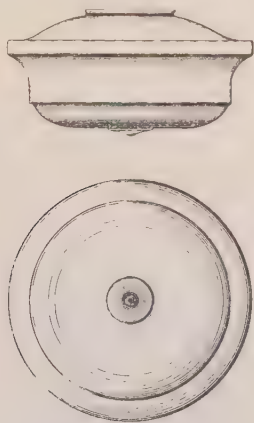
The ornamental design for a glass lighting bowl, as shown

60,334. GLASS LIGHTING BOWL. EDGAR A. GILLINDER, Philadelphia, Pa., assignor to Gillinder & Sons, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 17, 1921. Serial No. 470,488. Term of patent 7 years.



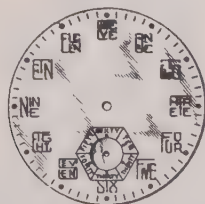
The ornamental design for a glass lighting bowl, as shown.

60,335. GLASS LIGHTING BOWL. EDGAR A. GILLINDER, Philadelphia, Pa., assignor to Gillinder & Sons, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 17, 1921. Serial No. 470,489. Term of patent 7 years.



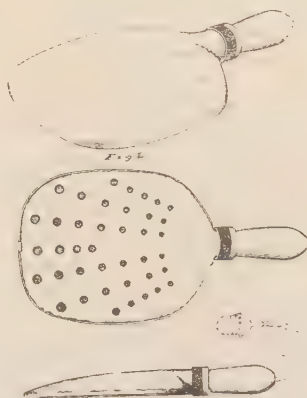
The ornamental design for a glass lighting bowl, as shown.

60,336. WATCH DIAL. FRANCIS A. GOODROW, Elgin, Ill., assignor to Elgin National Watch Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 2, 1921. Serial No. 512,382. Term of patent 14 years.



The ornamental design for a watch dial, as shown.

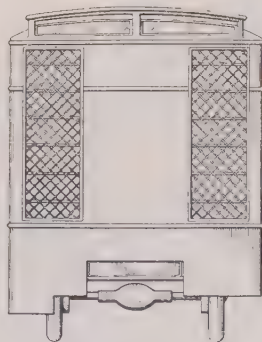
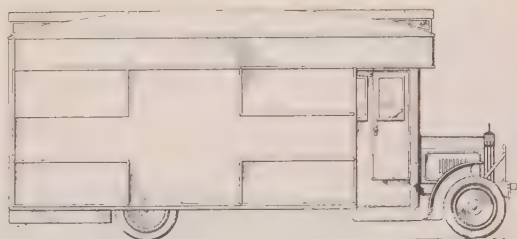
60,337. ELECTRIC HEATER. HENRY C. GORDON, Muncie, Ind., assignor to himself, Charles S. Davis, and J. Carl O'Harra, trustees, Muncie, Ind. Filed Apr. 7, 1921. Serial No. 459 483. Term of patent 14 years.



The ornamental design for an electric heater, as shown.

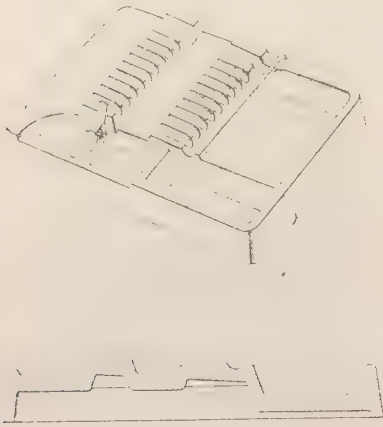
60,338. [WITHDRAWN.]

60,339. VEHICLE BODY FOR AUTO STORES. EDWARD J. GREENE, Toledo, Ohio. Filed Aug. 1, 1921. Serial No. 489,119. Term of patent 14 years.



The ornamental design for a vehicle body for auto stores, substantially as shown.

60,340. TRAY FOR HOLDING DENTAL INSTRUMENTS AND SUPPLIES. GARRETT LAYTON GRIER, Milford, Del., assignor to The L. D. Caulk Company, Milford, Del., a Corporation of Delaware. Filed Feb. 28, 1921. Serial No. 448,601. Term of patent 14 years.



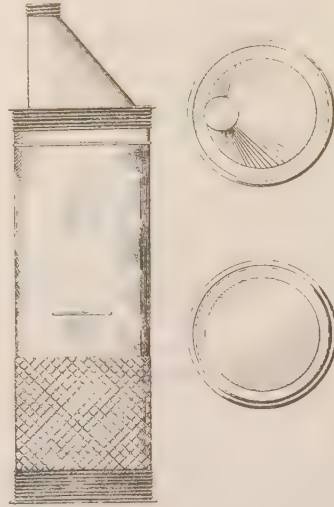
The ornamental design for a tray for holding dental instruments and supplies, as shown.

60,341. LADY'S TRAVELING ROBE. DORIS CLEVELAND HARRIS, Mount Vernon, N. Y. Filed Oct. 6, 1921. Serial No. 505,942. Term of patent 3½ years.



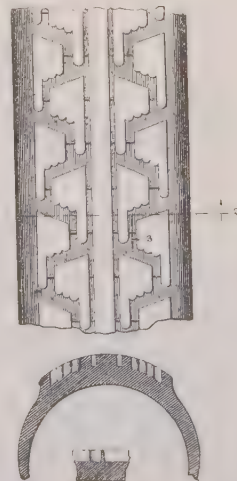
The ornamental design for a lady's traveling robe as shown.

60,342. OIL CAN. RAYMOND HASKELL, Summit, N. J., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed May 6, 1921. Serial No. 467,289. Term of patent 14 years.



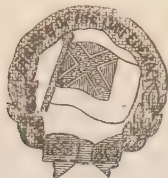
The ornamental design for an oil can, as shown.

60,343. TIRE. PHILIP H. HEATER, Bucyrus, Ohio. Filed May 12, 1921. Serial No. 469,061. Term of patent 7 years.



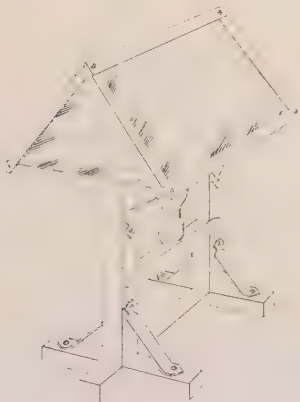
The ornamental design for a tire, as shown.

60,344. BADGE. TEMPE WHITEHEAD HOLT, Rocky Mount, N. C. Filed Aug. 29, 1921. Serial No. 496,717. Term of patent 14 years.



The ornamental design for a badge, as shown.

60,345. LAMP. GEORGE L. HOPPING, Pasadena, Calif. Filed Apr. 11, 1921. Serial No. 460,490. Term of patent 7 years.



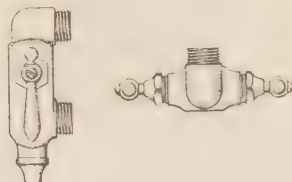
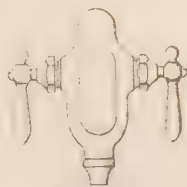
The ornamental design for a lamp as shown.

60,346. WELDING TORCH. ALEXANDER F. JENKINS, Baltimore, Md. Filed Aug. 6, 1921. Serial No. 490,421. Term of patent 14 years.



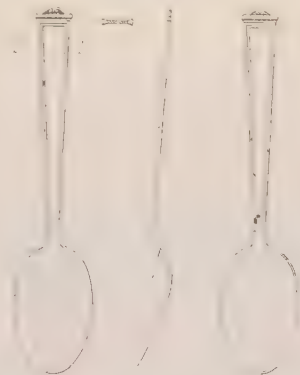
The ornamental design for a welding torch as shown in the accompanying drawing.

60,347. FAUCET. SAMUEL KERSTEN, Chicago, Ill. Filed Mar. 24, 1921. Serial No. 455,163. Term of patent 14 years.



The ornamental design for a faucet, as shown.

60,348. HANDLE FOR SPOONS, FORKS, OR SIMILAR ARTICLES. ALFRED G. KINTZ, Wallingford, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Oct. 20, 1920. Serial No. 418,336. Term of patent 7 years.



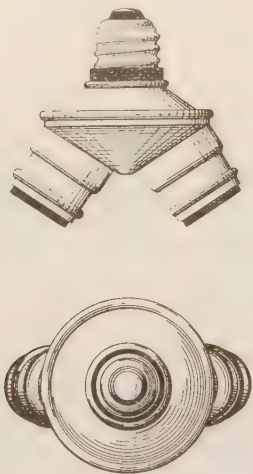
The ornamental design for a handle for spoons, forks, or similar articles as shown.

60,349. SMOKER'S TRAY. JAMES L. KLASE, Cranford, and ALBERT P. McGRANN and JOHN J. BACH, Elizabeth, N. J. Filed Jan. 24, 1921. Serial No. 439,698. Term of patent 3½ years.



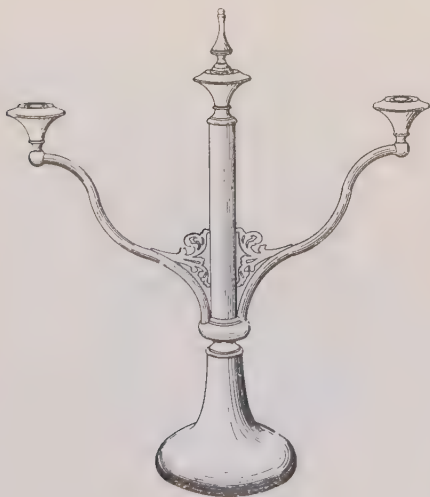
The ornamental design for a smoker's tray as shown.

60,350. DUPLEX SOCKET FOR ELECTRIC LAMPS. SIDNEY M. KNAPP, New York, N. Y. Filed Jan. 8, 1921. Serial No. 435,995. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a duplex socket for electric lamps, as shown.

60,351. CANDELABRUM. SETH HOWARD LEAVENWORTH, Rochester, N. Y., assignor to The Van Bergh Silver Plate Company, Rochester, N. Y. Filed Apr. 21, 1921. Serial No. 463,385. Term of patent 7 years.



The ornamental design for a candelabrum, as shown.

60,352. CANDELABRUM. SETH HOWARD LEAVENWORTH, Rochester, N. Y., assignor to The Van Bergh Silver Plate Company, Rochester, N. Y. Filed Apr. 21, 1921. Serial No. 463,386. Term of patent 7 years.



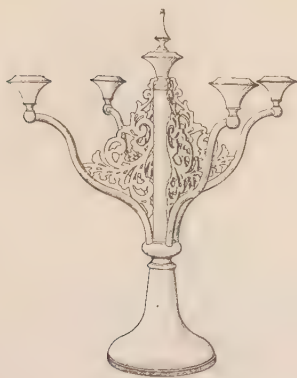
The ornamental design for a candelabrum, as shown.

60,353. CANDELABRUM. SETH HOWARD LEAVENWORTH, Rochester, N. Y., assignor to The Van Bergh Silver Plate Company, Rochester, N. Y. Filed Apr. 21, 1921. Serial No. 463,387. Term of patent 7 years.



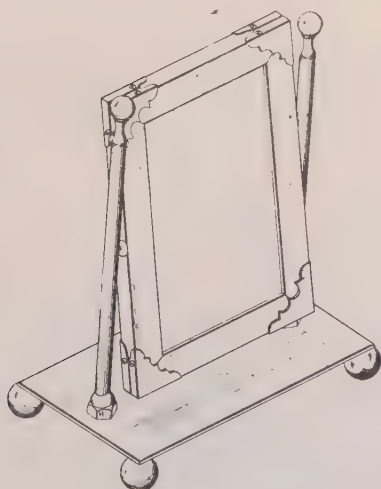
The ornamental design for a candelabrum, as shown.

60,354. CANDELABRUM. SETH HOWARD LEAVENWORTH, Rochester, N. Y., assignor to The Van Bergh Silver Plate Company, Rochester, N. Y. Filed Apr. 21, 1921. Serial No. 463,888. Term of patent 7 years.



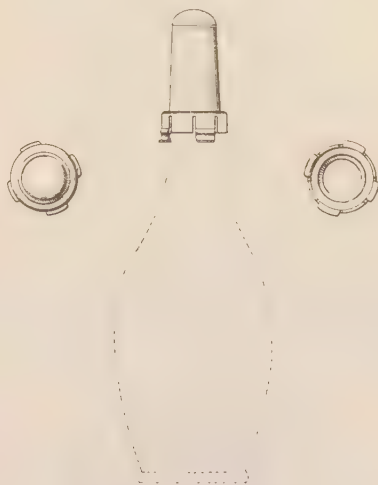
The ornamental design for a candelabrum, as shown.

60,355. PICTURE FRAME. EDWARD MAIGLOW, New York, N. Y. Filed Mar. 14, 1921. Serial No. 452,312. Term of patent 7 years.



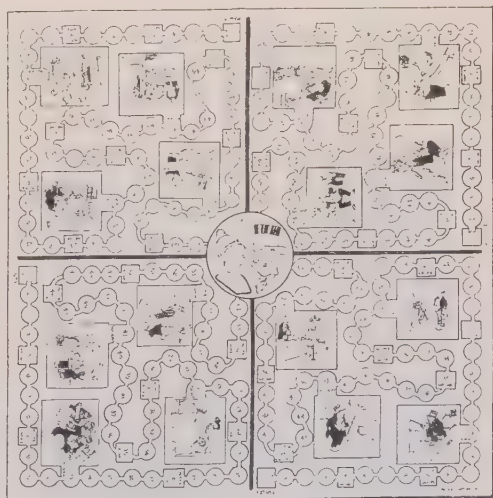
The ornamental design for a picture frame as shown.

60,356. PROTECTIVE CAP. GEORGE M. MARR, Philadelphia, Pa. Filed Jan. 15, 1921. Serial No. 437,603. Term of patent 7 years.



The ornamental design for a protective cap as shown.

60,357. GAME BOARD. GEORGE McMANUS, New York, N. Y., assignor to Embee Distributing Company, New York, N. Y., a Corporation of New York. Filed Apr. 1, 1920. Serial No. 370,571. Term of patent 3½ years.



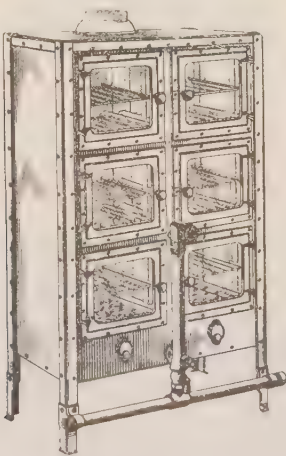
The ornamental design for a game board as shown.

60,358. SPINNING CARD. GEORGE McMANUS, New York, N. Y., assignor to Embee Distributing Company, New York, N. Y., a Corporation of New York. Filed Apr. 1, 1920. Serial No. 370,572. Term of patent $3\frac{1}{2}$ years.



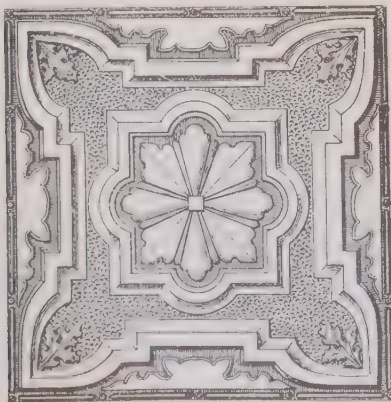
The ornamental design for a spinning card as shown.

60,359. OVEN. BENJAMIN E. MEACHAM, Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed Aug. 17, 1921. Serial 493,187. Term of patent 14 years.



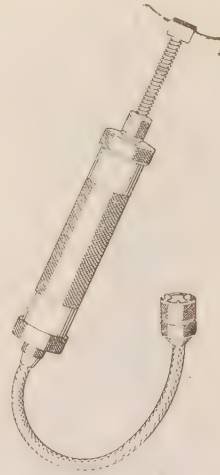
The ornamental design for an oven, as shown.

60,360. CEILING PLATE. PAUL MOHRMANN, Chicago, Ill., assignor to Friedley-Voshardt Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 23, 1921. Serial No. 463,959. Term of patent 7 years.



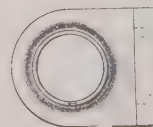
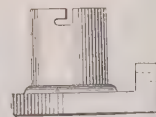
The ornamental design for a ceiling plate, as shown

60,361. COMBINATION GREASE CUP AND GUN. HARRY C. MOORE, Dayton, Ohio, assignor to The Automotive Manufacturing Company, Dayton, Ohio, a Corporation of Ohio. Filed Jan. 20, 1921. Serial No. 438,750. Term of patent 7 years.



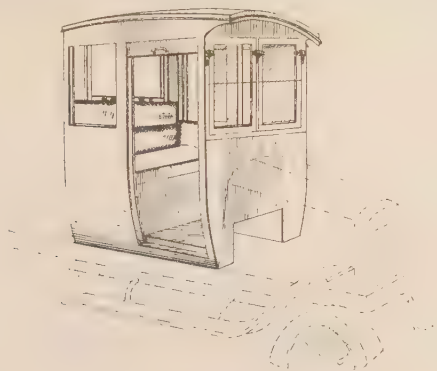
The ornamental design for a combination grease cup and gun, as shown.

60,362. INSTRUMENT MOUNT FOR RADIOPANELS. ALFRED P. MORGAN, Montclair, N. J. Filed July 27, 1921. Serial No. 488,025. Term of patent 14 years.



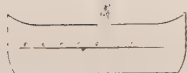
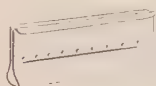
The ornamental design for an instrument-mount for radiopanel as shown.

60,363. VEHICLE CAB. EDWIN C. MORINE, Detroit, Mich. Filed July 1, 1921. Serial No. 481,960. Term of patent 14 years.



The ornamental design for a vehicle cab, as shown.

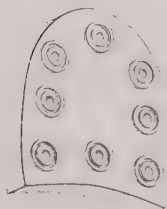
60,364. HAT CREASER. SAMUEL M. MUND, St. Joseph, Mo. Filed Apr. 25, 1921. Serial No. 464,459. Term of patent 14 years.



The ornamental design for a hat creaser, as shown.

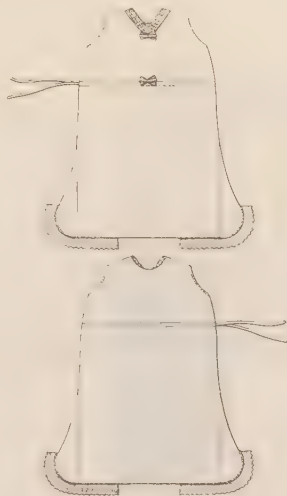
60,365. [WITHDRAWN.]

60,366. RESILIENT HEEL LIFT. LAURENCE M. OAKLEY, Trenton, N. J., assignor to Essex Rubber Company, Trenton, N. J., a Corporation of New Jersey. Filed Apr. 28, 1920. Serial No. 377,393. Term of patent 14 years.



The ornamental design for a resilient heel lift, as shown.

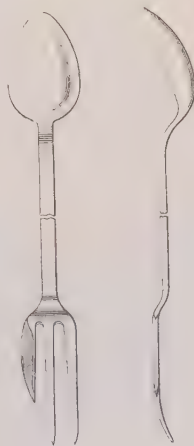
60,367. BURIAL GARMENT. DELIA I. PARKER, Vienna, Ill. Filed Apr. 26, 1920. Serial No. 376,873. Term of patent 7 years.



The ornamental design for a burial garment, as shown.

60,368. [WITHDRAWN.]

60,369. COMBINATION FORK AND SPOON. ALVIN A. QUANDT and STONE G. PALMBERG, Chicago, Ill. Filed Dec. 22, 1920. Serial No. 432,625. Term of patent 3½ years.



The ornamental design for a combination fork and spoon, as shown.

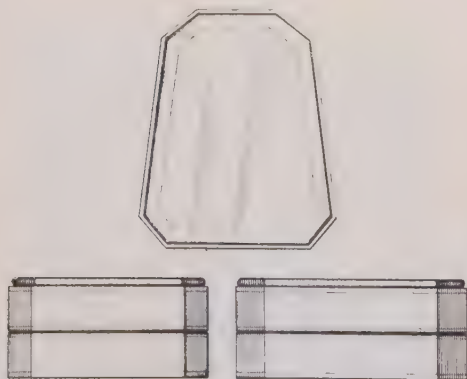
60,370. CONTAINER. HAROLD HASTINGS RAYNOR, New York, N. Y., assignor to The Palmolive Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed May 6, 1921. Serial No. 467,288. Term of patent 7 years.



The ornamental design for a container, as shown.

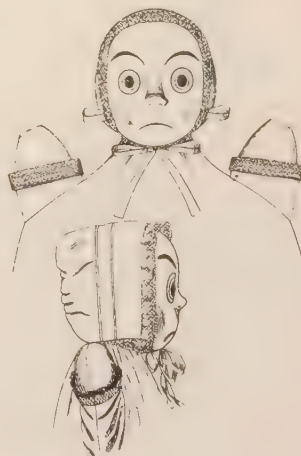
60,371. [WITHDRAWN.]

60,372. CARTON FOR FACE POWDER. MAX ROBINS, Chicago, Ill. Filed May 4, 1921. Serial No. 466,697. Term of patent 14 years.



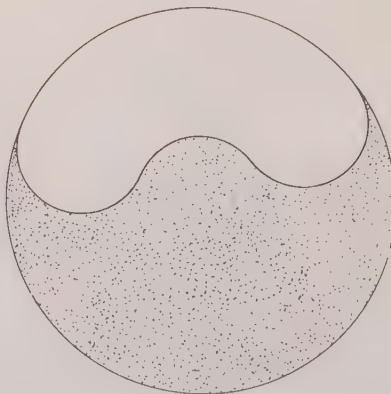
The ornamental design for a carton for face powder, as shown.

60,373. DOLL. MARGUERITE ROGERS, Cambridge, Mass., assignor, by mesne assignments, to The Buteau Sales Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 6, 1921. Serial No. 482,853. Term of patent 14 years.



The ornamental design for a doll as shown.

60,374. HEADLIGHT LENS. JAMES WESLEY ROSS and WILLIAM ARTHUR ORR, Hamilton, Ontario, Canada; said Orr assignor to said Ross. Filed Apr. 11, 1921. Serial No. 460,512. Term of patent 7 years.



The ornamental design for a headlight lens, as shown.

60,375. RADIATOR CAP. LOUIS ROTH, New York, N. Y., assignor to Sterling Bronze Company, New York, N. Y., a Corporation of New York. Filed Aug. 18, 1921. Serial No. 493,445. Term of patent 7 years.



The ornamental design for a radiator cap, as shown.

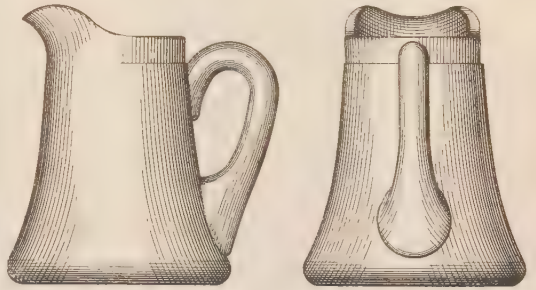
60,376. [WITHDRAWN.]

60,377. BRACELET. JOHN LOUIS SABBATH, Montreal, Quebec, Canada. Filed Sept. 28, 1921. Serial No. 503,988. Term of patent 7 years.



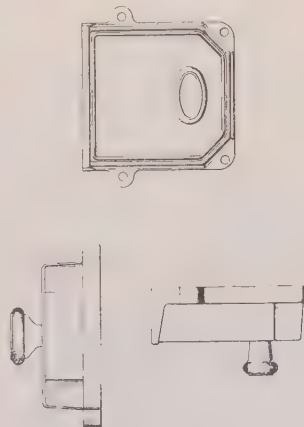
The ornamental design for a bracelet as shown.

60,378. PITCHER. ANDREW J. SANFORD, Newark, Ohio, assignor to A. H. Heisey & Co., Newark, Ohio. Filed June 17, 1921. Serial No. 478,450. Term of patent 14 years.



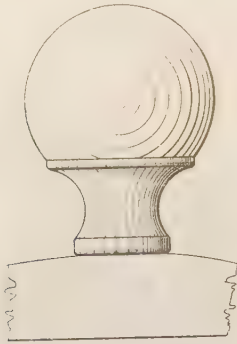
The ornamental design for a pitcher, as shown.

60,379. LOCK CASING. SAMUEL SEGAL, New York, N. Y., assignor to Segal Metal Products Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Aug. 10, 1921. Serial No. 491,281. Term of patent 14 years.



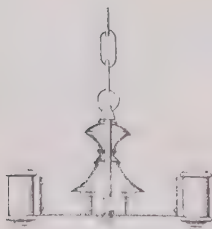
The ornamental design for a lock casing as shown.

60,380. AUTOMOBILE RADIATOR CAP. MAURICE SIMON, St. Louis, Mo. Filed July 1, 1921. Serial No. 481,955. Term of patent 7 years.



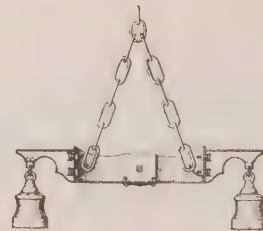
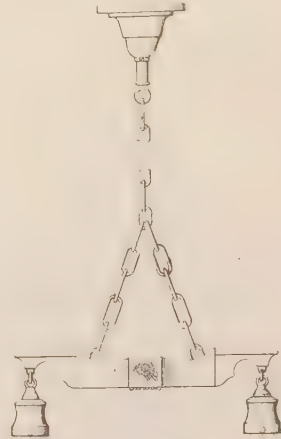
The ornamental design for an automobile radiator cap, as shown.

60,381. LIGHTING FIXTURE. ALFRED STARK, Chicago, Ill., assignor to Dallas Brass & Copper Co., Chicago, Ill., a Corporation of Illinois. Filed May 2, 1921. Serial No. 466,230. Term of patent 7 years.



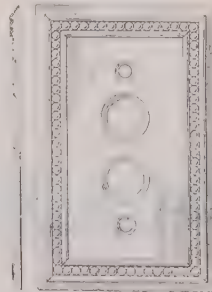
The ornamental design for a lighting fixture, as shown

60,382. LIGHTING FIXTURE. ALFRED STARK, Chicago, Ill., assignor to Dallas Brass & Copper Co., Chicago, Ill., a Corporation of Illinois. Filed May 2, 1921. Serial No. 466,231. Term of patent 7 years.



The ornamental design for a lighting fixture, as shown.

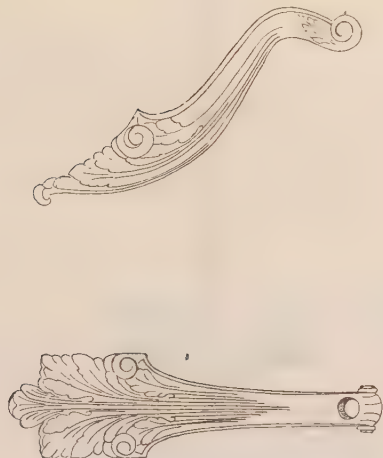
60,383. FLUSH SWITCH PLATE. REGINALD C. STEEPLE, Spokane, Wash., assignor to Friedley-Voshardt Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 15, 1921. Serial No. 492,514. Term of patent 7 years.



The ornamental design for a flush switch plate, as shown.

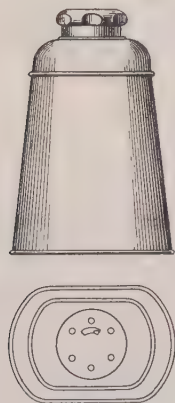
60,384. [WITHDRAWN.]

60,385. ARM FOR LIGHTING FIXTURES. ALBERT ULLMAN, Cleveland, Ohio, assignor to The Scott-Ullman Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 27, 1921. Serial No. 464,999. Term of patent $3\frac{1}{2}$ years.



The ornamental design for an arm for lighting fixtures, as shown.

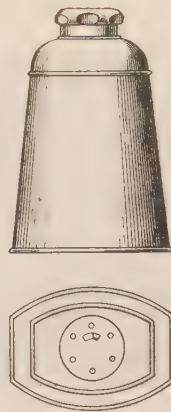
60,386. RECEPTACLE FOR TOILET POWDER AND OTHER COMMODITIES. LOUIS A. WEGENAAR, Brooklyn, N. Y. Filed May 5, 1921. Serial No. 467,213. Term of patent 7 years.



The ornamental design for a receptacle for toilet powder and other commodities substantially as shown.

295 O. G.—12

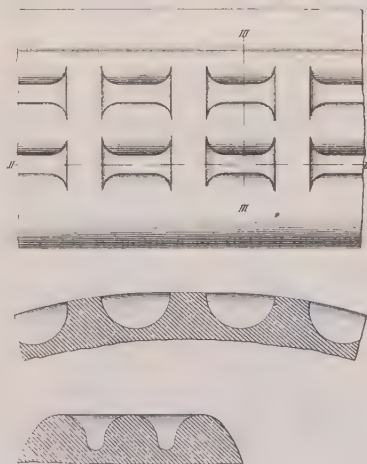
60,387. RECEPTACLE FOR TOILET POWDER AND OTHER COMMODITIES. LOUIS A. WEGENAAR, Brooklyn, N. Y. Filed May 16, 1921. Serial No. 470,002. Term of patent 7 years.



The ornamental design for a receptacle for toilet powder and other commodities substantially as shown.

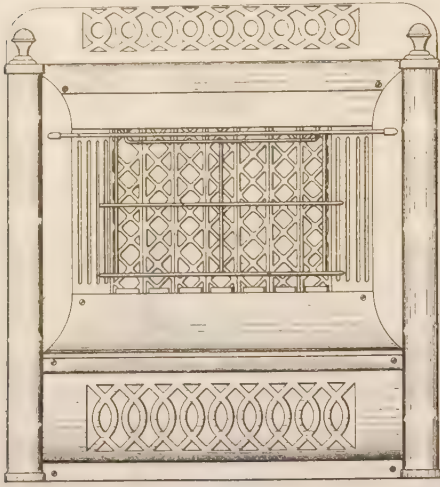
60,388. [WITHDRAWN.]

60,389. TIRE TREAD. FREDERICK VINCENT WINTERS, New York, N. Y. Filed July 28, 1921. Serial No. 488,244. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a tire tread, as shown.

60,390. HEATER. ETIENNE WITZBERGER, Carnegie, Pa., assignor to Witzberger Heating Appliances Company, a Corporation of Pennsylvania. Filed May 27, 1921. Serial No. 473,158. Term of patent 7 years.



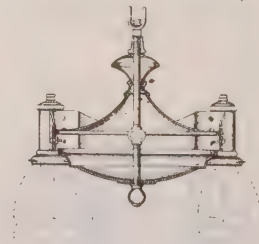
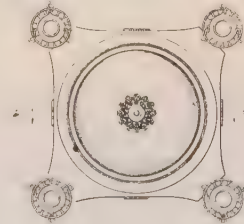
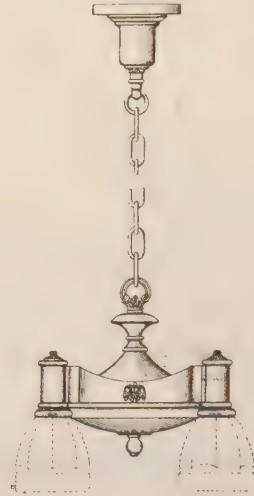
The ornamental design for a heater, as shown.

60,391. RADIATOR CAP. I. LEO WOLKOW, Louisville, Ky. Filed Aug. 22, 1921. Serial No. 404,436. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a radiator cap as shown.

60,392. LIGHTING FIXTURE. FRANK YOKEL, Hartford, Conn., assignor to Dallas Brass & Copper Co., Chicago, Ill., a Corporation of Illinois. Filed May 2, 1921. Serial No. 466,234. Term of patent 7 years.



The ornamental design for a lighting fixture as shown.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 7, 1922.

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 105,696. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GRIFFIN MANUFACTURING COMPANY, INC., New York, N. Y. Filed Aug. 16, 1917.



The background being shown in red. The picture forming the feature of the mark is fanciful.

Particular description of goods.—Shoe Polish.

Claims use since Nov. 1, 1915.

Ser. No. 117,985. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) OXFORD-PRINT, Boston, Mass. Filed Apr. 29, 1919.

JOY TOY

No claim is made to the word "Toy" apart from the mark shown in the drawing.

Particular description of goods.—Doll Furniture, Doll Houses, Dolls, and Dolls' Clothing, Mechanical Toys, Construction Toys, Toy Drums, Toy Wagons, Toy Sleds, Toy Carts, Toy Animals, Toy Building Blocks, Toy Mechanical Figures, Toy Paint Boxes, Toy Drawing Boxes, Toy Rubber Balls and Balloons, Marbles, Tops, Sand Pails, Rocking Horses, Puzzle Apparatus, Gold Balls, Fishing Lines, Fish Poles, and Fishhooks.

Claims use since Mar. 28, 1919.

Ser. No. 119,392. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BEACON CHOCOLATE COMPANY, Boston, Mass. Filed June 10, 1919.

ACE

Particular description of goods.—Carbonated, Maltless Soft Drinks and Sirups Therefor.

Claims use since Mar. 27, 1919.

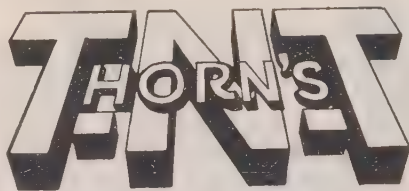
Ser. No. 119,393. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BEACON CHOCOLATE COMPANY, Boston, Mass. Filed June 10, 1919.

ACE HIGH

Particular description of goods.—Carbonated, Maltless Soft Drinks and Sirups Therefor.

Claims use since Mar. 27, 1919.

Ser. No. 121,303. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) A. C. HORN CO., Long Island City, N. Y. Filed Aug. 6, 1919.



Particular description of goods.—Cleaning and Polishing Powder.

Claims use since May 17, 1919.

Ser. No. 121,852. (CLASS 12. CONSTRUCTION MATERIALS.) GUSTAVE WENZELMANN, Galesburg, Ill. Filed Aug. 20, 1919.

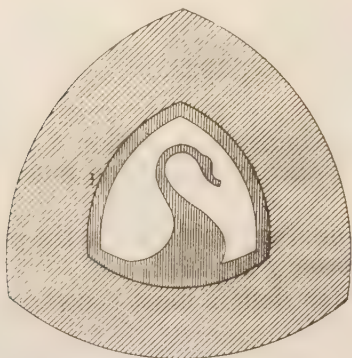
TR

Consists of the letters "T R."

Particular description of goods.—Pulverized Materials Used in Mixtures for Making Plaster, Stucco, Tile, and Artificial Stone and for These Articles When in Their Preparation or Manufacture Said Materials are Used.

Claims use since Aug. 9, 1919.

Ser. No. 121,995. (CLASS 12. CONSTRUCTION MATERIALS.) THE STORK CONTRACTORS EXPORT CORP., New York, N. Y. Filed Aug. 25, 1919.



Comprising the conventional silhouette of a stork enclosed in a curved triangular border, it being understood that color does not form an essential part of the mark.

Particular description of goods.—Composition Roofing, Rubber Roofing, Asphalt Roll Roofing, and Composition Felt Roofing.

Claims use since April, 1919.

Ser. No. 122,065. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHERER & FIX, Utica, N. Y. Filed Aug. 27, 1919.



Particular description of goods.—Coffee.
Claims use since Aug. 12, 1919.

Ser. No. 122,495. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) O-Zo-Zo COMPANY, INC., Boston, Mass. Filed Sept. 9, 1919.

O-Zo-Zo

Particular description of goods.—A Soluble Laundry Blue Mounted in a Stirrer.
Claims use since 1912.

Ser. No. 122,867. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HERMAN A. WIEMAN, Dallas, Texas. Filed Sept. 18, 1919.

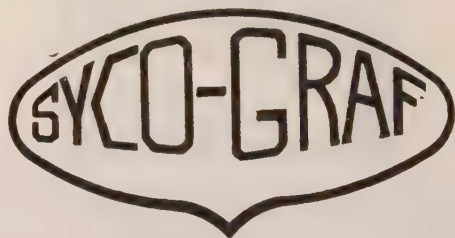
4 S
SCHEDULE SELF
SERVICE SYSTEM

No claim is made for the words "Schedule—Self—Service—System" apart from the mark "4—S" shown in accompanying drawing. The capital letters and numerals are shown in red.

Particular description of goods.—Traveling Merchandise Vans.

Claims use since Sept. 8, 1919.

Ser. No. 126,281. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WHITFIELD J. HAINER, Providence, R. I. Filed Dec. 20, 1919.



Particular description of goods.—Planchette Boards.
Claims use since Nov. 9, 1919.

Ser. No. 128,802. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. H. SNYDER MED. CO., Jonesboro, Ark. Filed Feb. 24, 1920.

ARMSTRONG'S



No claim is made to the exclusive use of the word "Armstrong's" aside from the mark shown.

Particular description of goods.—Epsom Salts, Powdered Borax, Lump Alum, Powdered Alum, Copperas, and Senna Leaves.

Claims use since 1901.

Ser. No. 129,351. (CLASS 17. TOBACCO PRODUCTS.)
ROSENTHAL BROS. & BENDETSON, Boston, Mass. Filed
Mar. 6, 1920.



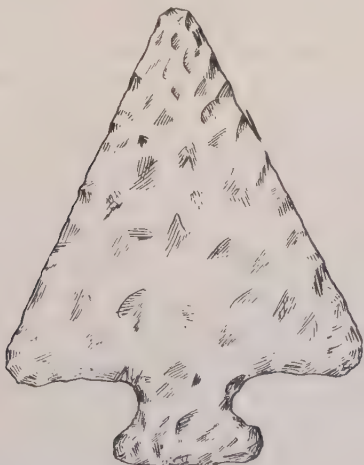
Particular description of goods.—Cigars.
Claims use since Apr. 1, 1919.

Ser. No. 129,779. (CLASS 13. HARDWARE AND
PLUMBING AND STEAM-FITTING SUPPLIES.) C.
E. ERICKSON CO. INC., Des Moines, Iowa. Filed Mar.
16, 1920.



Particular description of goods.—Towel Holders and
Broom Holders.
Claims use since Apr. 23, 1919.

Ser. No. 131,577. (CLASS 12. CONSTRUCTION MA-
TERIALS.) THE HEPPE-SNELSON ROOFING COMPANY,
Chicago, Ill., assignor to The Richardson Company,
Lockland, Ohio, a Corporation of Ohio. Filed Apr.
24, 1920.

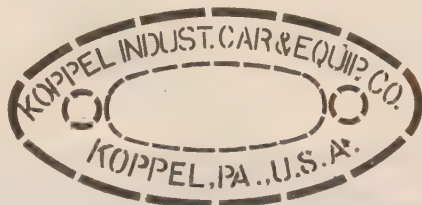


Consists of the representation of an arrow head.
Particular description of goods.—Prepared Roofing in
the Form of Sheets, Rolls, Strips, Shingles, and Coat-

ings; Building Board and Building Paper, Expansion
Joints for Roads and Floors, Cements for Repairing and
Laying Prepared Roofing.

Claims use since 1902.

Ser. No. 132,394. (CLASS 23. CUTLERY, MACHINERY,
AND TOOLS, AND PARTS THEREOF.) KOPPEL IN-
DUSTRIAL CAR & EQUIPMENT COMPANY, Koppel and
Pittsburgh, Pa. Filed May 13, 1920.



No claim is made to the exclusive right to the use of the
letters "U. S. A." and the words "Koppel, Pa.," except as
used with the other features of the trade-mark as shown
in the accompanying drawing and facsimiles and save for
the particular arrangement thereof associated with the
elements of the arbitrary design of plate as shown in said
drawing and facsimiles.

Particular description of goods.—Steam Locomotives,
Turntables, Bucket Excavators, Concrete Mixers, Dump
Buckets, Tipples, Mechanical Switch Throws, Car Re-
placers, and Roller and Ball Bearings.

Claims use since January, 1921.

Ser. No. 132,414. (CLASS 45. BEVERAGES, NON-
ALCOHOLIC.) SANTERBA PERFUMERY MANUFACTURER
INC., New York, N. Y. Filed May 13, 1920.



Particular description of goods.—Maltless Sirups, In-
cluding Largely Sugar, Water, and Flavoring Extracts
Called by the Names Granatina, Amarena, Orzata, Tama-
rindo, for Use in Nonalcoholic Beverages.

Claims use since Jan. 17, 1918.

Ser. No. 133,081. (CLASS G. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
CARAVEL COMPANY, INC., New York, N. Y. Filed May 29, 1920.



Particular description of goods.—Acetaldehyde, Acetanilide, Acetic Anhydride, Acetone, Acetophene, Acetphenetidine, Acetyl Chloride, Acetylene, Acetylene Tetrachloride, Acetylsalicylic; Acids Including Acetic, Arsenic, Arsenious, Benzoic, Beta-Naphthol-Sulphonic, Boracic, Bromic, Butyric, Camphoric, Carboic, Chlorosulphonic, Chromic, Cinnamic, Citric, Cresotinic, Cresylic, Electrolyte, Formic, Gallic, Glycerophosphoric, Hydriodic, Hydrobromic, Hydrochloric, Hydrocyanic, Hydrofluoric, Hydroflusilic, Hypophosphorous, Iodic, Lactic, Metaphosphoric, Molybdic, Monochloroacetic, Monosulphonic, Muriatic, Naphthalene Sulphonic, Naphthionic, Naphthylamine Sulphonic, Nitrating, Nitric, Oleic, Oxalic, Para-Amido-Salicylic, Perchloric, Phosphoric, Phosphotungstic, Phthalic, Picramic, Picric, Pyroacetic, Pyrolineous, Rosolic, Salicylic, Stearic, Sulphanilic, Sulphuric, Sulphurous, Tannic, Tartaric, Toluol-Sulphuric, Tungstic, Valeric; Amyl Alcohol, Butyl Alcohol, Denatured Alcohol, Methyl Alcohol, Alpha-Naphthylamine, Ammonium Alum, Burnt Alum, Chrome Ammonium Alum, Chrome Potassium Alum, Chrome-Sodium Alum, Ferric Alum, Potassium Alum, Alumina, Aluminum Acetate, Aluminum Ammonium Sulphate, Aluminum Fluoride, Aluminum Chloride, Aluminum Hydroxide, Aluminum Nitrate, Aluminum Oleate, Aluminum Oxide, Aluminum Phosphate, Aluminum Stearate, Sulphate of Alumina, Amido-Azo-Benzol, Amidonaphthol, Ammonium Acetate, Anhydrous Ammonium, Aqua Ammonium, Ammonium Benzoate, Ammonium Bicarbonate, Ammonium Bifluoride, Ammonium Binoxalate, Ammonium Borate, Ammonium Bromide, Ammonium Carbonate, Ammonium Chloride, Ammonium Chromate, Ammonium Fluoride, Ammonium Iodide, Ammonium Molybdate, Ammonium Nitrate, Ammonium Oxalate, Ammonium Perchlorate, Ammonium Persulphate, Ammonium Phosphate, Ammonium Picrate, Ammonium Salicylate, Ammonium Stearate, Ammonium Sulphate, Ammonium Sulphide, Ammonium Sulphocyanate, Ammonium Tartrate, Ammonium Tungstate, Ammonium Vanadate, Amyl Acetate, Amyl Butyrate, Amyl Formate, Amyl Valerate, Amyl Valerianate, Aniline Dyes, Aniline Hydrochloride, Aniline Oil, Aniline Salts, Antimony, Antimony Chloride, Crimson Sulphide, Antimony Lactate, Antimony Metallic, Antimony Oxalate, Antimony Oxide, Antimony Potassium Tartrate, Antimony Salts, Sulphuret of Antimony, Antimony Sulphite, Antimony Tartrate, Antimony Tribromide, Antipyrine, Argols, Arsenate Lead, Arsenate Soda, Arsenic, Arsenic Bromide, Red Arsenic, Arsenic Salts, Arsenic Sulphide, Arsenic Trioxide, White Arsenic, Arsenious Iodide, Soda Ash, Atropine Alkaloid, Atropine Sulphate, Aurantine, Barium, Barium Acetate, Barium Bromide, Barium Carbonate, Barium Chlorate, Barium Chloride, Barium Cyanide, Barium Fluoride, Barium Hydrate, Barium Hydroxide, Barium Monoxide, Barium Nitrate, Barium Oxide, Barium Peroxide, Barium Sulphate, Barium Sulphide, Barium Sulphocyanide, Beechwood Creosote, Benzaldehyde, Benzidine, Benzol, Benzoyl Benzyl Acetate, Benzyl Alcohol, Benzyl Benzoate, Benzyl Chloride, Beryllium, Beryllium Nitrate, Beryllium Oxide, Beryllium Silicate, Beta-Naph-

thol, Beta-Naphthyl, Betanaphthylamine, Betanaphthyl Salicylate, Bicarbonate, Bicarbonate Ammonium, Bicarbonate Potash, Bicarbonate Soda, Bismuth, Bismuth Acetate, Bismuth Beta-Naphtholate, Bismuth Carbonate, Bismuth Chloride, Bismuth Nitrate, Bismuth Subnitrate, Bismuth Sulphide, Bismuth Tribromphenolate, Chloride of Lime, Bluestone, Borax, Brimstone, Bromine, Cadmium, Cadmium Bromide, Cadmium Carbonate, Cadmium Chloride, Cadmium Iodide, Cadmium Potassium Iodide, Cadmium Sulphate, Cadmium Sulphide, Caesium, Caesium Alum, Caesium Chloride, Caesium Nitrate, Caesium Silicate, Caffeine, Caffeine Alkaloid, Caffeine Benzoate, Caffeine Bromide, Caffeine Citrated, Caffeine Hydrobromate, Caffeine Sodium Benzoate, Caffeine Sodium Salicylate, Caffeine Sulphate, Calcium Acetate, Calcium Acid Phosphate, Calcium Arsenate, Calcium Bisulphide, Calcium Bisulphite, Calcium Bromide, Calcium Carbide, Calcium Carbonate, Calcium Chloride, Calcium Ferrocyanide, Calcium Fluoride, Calcium Glycerophosphate, Calcium Hypochlorite, Calcium Hypophosphite, Calcium Lactophosphate, Calcium Linoleate, Calcium Magnesium Chloride, Calcium Molybdate, Calcium Nitrate, Calcium Oxalate, Calcium Oxide, Calcium Perborate, Calcium Permanganate, Calcium Peroxide, Calcium Phosphate, Calcium Phosphate Monobasic, Calcium Phosphide, Calcium Resinate, Calcium Stearate, Calcium Sulphate, Calcium Sulphide, Calcium Sulphite, Calcium Sulpho-Carbolate, Calcium Superphosphate, Calcium Tungstate, Calomel, Camphor, Camphor Gum, Camphor Monobromate, Carbon Bisulphide, Carbon Dioxide, Carbon Tetrachloride, Caustic Soda, Cellulose Acetate, Chloral Hydrate, Chlorine, Chromium Acetate, Chromium Alum, Chromium Bisulphate, Chromium Chloride, Chromium Fluoride, Chromium Hydroxide, Chromium Oxide, Chromium Sulphate, Chromic Acid, Chrysarobin, Cobalt Acetate, Cobalt Ammonium Sulphate, Cobalt Carbonate, Cobalt Chloride, Cobalt Hydrate, Cobalt Linolette, Cobalt Nitrate, Cobalt Oleate, Cobalt Oxide, Cobalt Resinate, Cobalt Sulphate, Cobalt Tungstate, Copper Acetate, Copper Carbonate, Copper Chloride, Copper Cyanide, Copper Fluoride, Copper Nitrate, Copper Oxide, Copper Resinate, Copperas, Corrosive Sublimate, Cream Tartar, Creosote, Creosote Carbonate, Creosote Cresol, Creosote Oil, Cresol, Crimson Antimony, Cyanide, Cyanide Chloride, Cyanide Potassium, Cyanide Soda, Dinitraniline, Dinitrobenzol, Dinitrochlorbenzol, Dinitronaphthalene, Dinitrophenol, Dinitrotoluol, Diphenylamine, Divi-Divi, Dyestuffs, Dyewoods, Dyewood Extract, Epsom Salts, Ether Sulphuric, Ethyl Acetate, Ethyl Bromide, Ethyl Chloride, Ethyl Formate, Ethyl Iodide, Eucalyptol, Feldspar, Ferric Ammonium Sulphate, Ferric Chloride, Ferric Nitrate, Ferric Oxide, Ferric Sulphate, Ferrous Chloride, Fluoride Salts, Formaldehyde, Formic Acid, Formin, Fuchsin, Fustic Extract; Extracts Including Chestnut-Oak Extract, Clutch Extract, Divi-Divi Extract, Gall Extract, Gambler Extract, Hematine Extract, Hemlock Extract, Hypernic Extract, Indigo Extract, Larch Extract, Logwood Extract, Mangrove Extract, Myrobalans Extract, Oak Extract, Osage-Orange Extract, Quebracho Extract, Quercitron Extract, Spruce Extract, Sumac Extract, Tannin Extract, Valonia Extract, Wattle-Bark Extract; Glauber Salts, Glycerine, Glycerophosphates, Guaiacol, Hematine, Hexachlorethane, Hexamethylene Tetramine, Hydrogen Peroxide, Hydroquinone, Hyposulphite Soda, Ichthyol, Indigo, Indigotine, Iodine, Iodine Salts, Iodine Tribromide, Iodoform, Iron, Iron Chloride, Iron Chromate, Iron Cyanide, Iron Iodide, Iron Oxide, Iron Perchloride, Iron Perhydrogen, Iron Phosphate, Iron Pyrites, Iron Sulphide, Lactic Acid, Lactose, Lakes, Sugar of Lead, Lead Arsenate, Lead Hypo-sulphite, Lead Linoleate, Lead Molybdate, Lead Nitrate, Lead Resinate, Lead Sulphate, Lime, Lithium Benzoate, Lithium Bromide, Lithium Carbonate, Lithium Citrate, Lithium Fluo-Phosphate, Lithium Fluoride, Lithium Iodide, Lithium Salicylate, Lye, Magnesium, Magnesium Bromide, Magnesium Carbonate, Magnesium Chloride, Magnesium Citrate, Magnesium Fluoride, Magnesium Nitrate, Magnesium Oxide, Mercuric Bromide, Mercuric Chloride, Mercuric Nitrate, Mercuric Oxide, Mercuric Sulphide, Mercurous Chloride, Mercury, Mercury Cyanide, Mercury

Iodide, Mercury Bichloride, Methyl Salicylate, Meta Nitraniline, Meta Nitroparatoluidine, Meta Phenylenediamine, Meta Toluylenediamine, Manganese Acetate, Manganese Borate, Manganese Carbonate, Manganese Chloride, Manganese Copper, Manganese Dioxide, Manganese Hydroxide, Manganese Linoleate, Manganese Oleate, Manganese Oxide, Manganese Resinate, Manganese Sulphate, Menthol, Methyl Acetate, Methyl Acetone, Methyl Bromide, Methyl Chloride, Methyl Iodide, Methyl Orange, Methyl Red, Methyl Salicylate, Molybdic Acid, Monobrombenzol, Monochlorbenzol, Monoethylaniline, Mordants, Myrbane Oil, Naphthalene, Naphthol, Naphthol Alpha, Naphthol Beta, Naphthylamine, Nickel Ammonium Sulphate, Nickel Carbonate, Nickel Chloride, Nickel Hydroxide, Nickel Nitrate, Nickel Oxide, Nickel Sulphate, Nigrosine, Nitrobenzol, Nitrophenol, Nitro Toluol; Oils, Including Aniline Oils, Castor Oil, Cod-Liver Oil, Creosote Oil, Eucalyptus Oil, Fusel Oil, Turkey-Red Oil, Paracresol, Paraformaldehyde, Paraldehyde, Paramidophenol, Paranitraniline, Paraphenylenediamine, Paris Green, Hydrogen Peroxide, Soda Peroxide, Phenol, Phenolphthalein, Phosphate of Lime, Phosphoric Anhydride, Phosphorus, Phosphorus Amorphous, Phosphorus Yellow, Potassium, Potassium Acetate, Potassium Bicarbonate, Potassium Bichromate, Potassium Binodate, Potassium Bisulphate, Potassium Bitartrate, Potassium Bromate, Potassium Bromide, Potassium Carbonate, Potassium Caustic, Potassium Chlorate, Potassium Chloride, Potassium Chromate, Potassium Creosote Sulphonate, Potassium Cyanide, Potassium Hydroxide, Potassium Hypophosphite, Potassium Iodide, Potassium Magnesium Sulphate, Potassium Metabisulphite, Potassium Muriate, Potassium Nitrate, Potassium Oxalate, Potassium Perchlorate, Potassium Permanganate, Potassium Persulphate, Potassium Prussiate, Potassium Pyrosulphite, Potassium Silicate, Potassium Sodium Tartrate, Potassium Sulphate, Potassium Sulphide, Potassium Sulphocyanide, Prussiate of Soda, Pyrogallol, Pyridene, Quinidine, Quinidine Alkaloid, Quinidine Sulphate, Quinine, Quinine Hydrobromide, Quinine Hydrochloride-Chlorhydrate, Quinine Sulphate, Resorcin, Resorcinol, Rochelle Salts, Aniline Salt, Cake Salt, Tartar Salt, Silicon Tetrachloride, Silver Salts, Starch, Soluble Starch, Strontium, Strontium Bromide, Strontium Carbonate, Strontium Iodide, Strontium Nitrate, Strontium Sulphate, Sulphur Black, Sulphur Chloride, Sulphur Roll, Sublimed Sulphur; Soda, Including Acetate, Aluminate, Arseniate, Benzoate, Bichromate, Binarseniate, Bisulphate, Bitartrate, Bromide, Borate, Carbonate, Chlorate, Chloride, Chromate, Citrate, Cresolate, Crystals, Cyanide, Ferricyanide, Fluoride, Hydroxide, Hyposulphite, Iodide, Monohydrate, Nitrate, Nitrite, Nitroprusside, Oxalate, Perborates, Peroxide, Phosphate, Phosphate Tri-basic Silicate, Salicylate, Silico Fluoride, Stannate, Sulphate, Sulphide, Sulphite, Tannin, Cream Tartar, Emetic Tartar, Tartar Salts, Tartrates, Tetrachloride, Thymol, Tin Bichloride, Tin Chloride, Muriate of Tin, Tin Hydrate, Tin Oxide, Tin Tetrachloride, Titanium Oxide, Titanium Oxalate, Titanium Potassium Oxalate, Titanium Tetrachloride, Toluidine, Toluol, Trinitrotoluol, Ultramarine, Uranium, Uranium Acetate, Uranium Nitrate, Uranium Oxides, Uranium Oxylate, Vitriol Oil, Beeswax, Zinc Chloride, Zinc Cyanide, Zinc Nitrate, Zinc, Oxide, Zinc Peroxide, Zinc Stearate, Zinc Sulphate, Zinc Sulphide, Zirconium Silicate; Acid Colors, Including Black, Blue, Navy Blue, Violet 4B, Orange II, Ponceau 2G, Yellow, Azo Yellow, Tartrazine, Red A, Amaranth, Croceine Scarlet 3BX, Carmoisine, Brilliant Scarlet, Brilliant Red NR, Magenta BR, Red, Brilliant Scarlet 3RS, Green M, Green G, Green 2G, Yellow, (Tartrazine Concentrated,) Blue 2R, Navy Blue B, Violet 10B, Orange 11, Brilliant Scarlet 3RS; Basic Colors, Including Nigrosine W. S. Blue, Nigrosine W. S. Black, Methylene Blue, Basic Navy Blue, Methyl Violet 4BX, Auramine OO, Fuchsine Crystals, Saffranine, Malachite Green Crystals 100%, Bismarck Brown Y, Bismarck Brown R, Bismarck Brown 3R, Chrysoidine R, Chrysoidine Y, Auramine; Chrome Colors Including Black, Brilliant Blue, Brown, Green, Orange, Red A, Blue; Direct Colors, Including Black, Niagara Blue 2B, Sky Blue, Blue BX, Violet BS, Violet BR,

Orange G, Orange 2R, Yellow, Brown C, Congo Red 4B, Red 4B, Bordeaux R, Corinth CC, Green WT, Brilliant Green, Benzo Purpurine 4B, Violet, Orange 2G; Intermediates for the Manufacture of Dyestuffs, Including Acetic Anhydride, Amidonaphthol Disulphonic Acid, Dimethylaniline; Logwood, Solid; Logwood, Paste; Ultramarine Blue, Wash Blue, Leather Black, Chrome-Leather Black Liquid, Oil Black Base, Oil Black Liquid, Oil Black Solid, French Archil Extract, Egg Yolk, Naphthol Yellow S, Oil Sale Aniline; Sulphur Colors, Including Black, Blue, and Brown.

Claims use since May 1, 1916.

Ser. No. 133,898. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ST. ALBANS GRAIN COMPANY, St. Albans, Vt. Filed June 18, 1920.



No claim being made to the words "Intermediate" and "We carry nothing but the best" apart from the mark shown in the drawing.

Particular description of goods.—Poultry Feeds—Namely, Scratch Feed, Mash Feed, Chick Feed, Intermediate Chick Feed, Growing Feed, Cracked Corn, Oats, Buckwheat, Calf Meal, Milo Maize, Balanced Ration, Linseed Meal, Cottonseed Meal, Stock Feed, Molasses Horse Feed, Hog Feed, Pigeon Feed, Wheat, Wheat Feed, Plump Barley, Yellow Corn, Molasses Dairy Feed, Middlings, Corn Meal, Alfalfa Meal, Kafir Corn, Pig Feed, Fancy Yellow Rolled Meal, and Bran.

Claims use since April, 1916.

Ser. No. 134,229. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GERALDINE COMPANY, Boston, Mass. Filed June 25, 1920.



No claim is made to the word "Trade-Mark" apart from the mark shown.

Particular description of goods.—Toilet Preparations—Namely, a Hair Tonic.

Claims use since May 1, 1920.

Ser. No. 134,745. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACOB EISENBERG, Binghamton, N. Y. Filed July 9, 1920.



Particular description of goods.—Preparation for Coughs and Colds in the Chest, Bronchitis, Croup, Rheumatism, Pleurisy, Asthma, Headaches, Neuralgia, Sore Joints and Muscles.

Claims use since Apr. 1, 1919.

Ser. No. 135,804. (CLASS 17. TOBACCO PRODUCTS.) DEMMI CIGAR Co., Tampa, Fla. Filed Aug. 5, 1920.

SANCHEZ ALFIN

No claim being made to the exclusive use of the word "Sanchez" forming a part of the mark other than in the combination shown.

Particular description of goods.—Cigars, Cigarettes, Cheroots, Stogies, Chewing Tobacco, Scraps, and Snuff.

Claims use since June 4, 1914.

Ser. No. 136,206. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Aug. 17, 1920.



No claim is made to the letters "N. Y." or to the words and abbreviations "Standard Oil Co. of New York" apart from the mark shown in the drawing.

Particular description of goods.—Petroleum and Products of Petroleum with or without Admixtures of other Materials for Illuminating, Heating, Power, Burning, Lubricating, Greasing, Solvent, Sealing, Waxing, Waterproofing, Coating, Rust Preventing, Surface Preserving, Tempering.

Claims use since June 15, 1920.

Ser. No. 136,724. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RED STAR MILLING COMPANY, Wichita, Kans. Filed Sept. 1, 1920.



Applicant disclaims the use of the words "Harina De Trigo" apart from the other features of the mark as shown.

Particular description of goods.—Wheat Flour.

Claims use since May, 1915.

Ser. No. 136,739. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAPSHEAF BREAD Co., St. Louis, Mo. Filed Sept. 2, 1920.

Fannie M. Riggs.

Is a facsimile of applicant's president's signature.

Particular description of goods.—Wheat Bread.

Claims use since Aug. 15, 1920.

Ser. No. 136,785. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CONTINENTAL VARNISH COMPANY, Brooklyn, N. Y. Filed Sept. 3, 1920.

OPALINE

The shading representing the color red.

Particular description of goods.—Varnishes and Finishes in the Nature of a Paint.

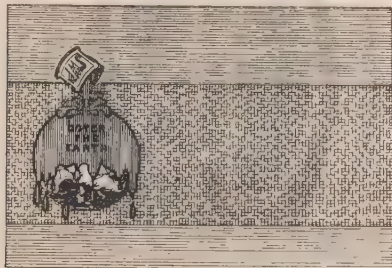
Claims use since Apr. 30, 1921.

Ser. No. 136,905. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEBRASKA CONSOLIDATED MILLS Co., Grand Island, Nebr. Filed Sept. 7, 1920.



Particular description of goods.—Wheat Flour.
Claims use since Jan. 1, 1912.

Ser. No. 137,050. (CLASS 5. ADHESIVES.) THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Sept. 10, 1920.



Is colored blue, red, and yellow, as indicated by the lining on the drawing.

Particular description of goods.—Glue.
Claims use since August, 1918.

Ser. No. 137,120. (CLASS 48. MALT BEVERAGES, EXTRACTS AND LIQUORS.) J. A. HIERONIMUS & SONS, San Francisco, Calif. Filed Sept. 13, 1920.



The lines on the drawing are for blue and red.

Particular description of goods.—A Cereal Malt Beverage Containing Less Than One-Half of One Per Cent Alcohol.

Claims use since July, 1919.

Ser. No. 137,130. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ABRAHAM KAUFMAN, Chicago, Ill. Filed Sept. 13, 1920.



Within the outline of the star of my trade-mark I place the names "Abraham," "Isaac," "Moses," "Jacob," "Aaron," and "Miriam," and also the word "Matzoh," all in Hebrew characters. The word "Matzoh" appears in the centre of the hexagon and the names appear in the triangles of the star, as follows: "Abraham" in the upper centre triangle, "Isaac" in the upper right triangle, "Moses" in the lower right triangle, "Jacob" in the upper left triangle, "Aaron" in the lower left triangle, and "Miriam" in the lower centre triangle. No claim is made to the right to the exclusive use of the word "Matzoh" apart from the mark shown in the drawing.

Particular description of goods.—Crackers Commonly Known as Matzos.

Claims use since Jan. 15, 1920.

Ser. No. 137,285. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) FRANK L. HENDRICKSON, Maysville, Ky. Filed Sept. 17, 1920.



Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.

Claims use since June 1, 1918.

Ser. No. 137,604. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CARROLL ENGINEERING CO., Dayton, Ohio. Filed Sept. 25, 1920.



No claim is made to the exclusive use of the words "Engineering Service" apart from the mark shown in the drawing.

Particular description of goods.—Special Metal-Working Machinery and Production Tools, as Jigs, Fixtures, Dies, Etc.

Claims use since Jan. 14, 1919.

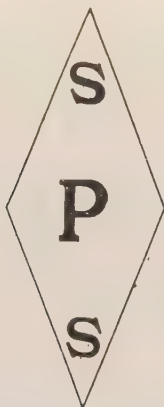
Ser. No. 137,775. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE GREIST MANUFACTURING COMPANY, New Haven, Conn. Filed Sept. 30, 1920.

TEST-O-CAP

Particular description of goods.—Pressure Gages for Pneumatic Tires and other Purposes.

Claims use since Sept. 9, 1920.

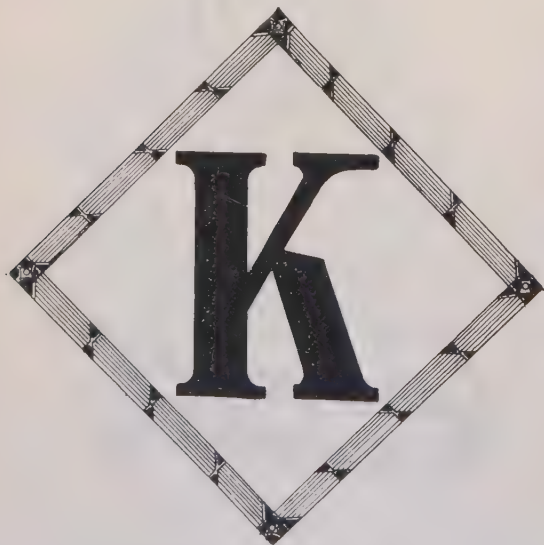
Ser. No. 137,841. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWIN W. KNAPP, New York, N. Y. Filed Oct. 2, 1920.



Particular description of goods.—All Kinds of Fresh Fruits and Vegetables, Hay, Corn, and Wheat.

Claims use since Sept. 14, 1920.

Ser. No. 137,842. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWIN W. KNAPP, New York, N. Y. Filed Oct. 2, 1920.



Particular description of goods.—All Kinds of Fresh Fruits and Vegetables, Hay, Corn, and Wheat.

Claims use since Sept. 9, 1920.

Ser. No. 137,873. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SAMUEL BUCHSBAUM, Chicago, Ill. Filed Oct. 4, 1920.

GIANT GRIP

No claim is made for the exclusive use of the word "Grip" apart from the mark as shown on the drawing.

Particular description of goods.—Belt Buckles.

Claims use since July, 1916.

Ser. No. 137,877. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM GAMLIN, London, Ohio. Filed Oct. 4, 1920.



Particular description of goods.—A General Conditioner for Horses, Cattle, Hogs, and Chickens.

Claims use since Sept. 1, 1920.

Ser. No. 138,013. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LANGLEY & MICHAELS Co., San Francisco, Calif. Filed Oct. 6, 1920.

MARCO

Particular description of goods.—Candies.

Claims use since July 15, 1920.

Ser. No. 138,061. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, N. Y. Filed Oct. 7, 1920.



No claim made to the word "Arrow" or the symbol of an arrow as a trade-mark for vehicle axles of the solid type.

Particular description of goods.—Axles.

Claims use since in or about the year 1901 with respect to passenger automobiles and motor trucks and parts thereof and accessories therefor, and since in or about the year 1918 it and its predecessors have actually placed the said trade-mark upon axles for automobiles and motor trucks.

Ser. No. 138,103. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) STARK BROS. NURSERIES & ORCHARDS Co., Louisiana, Mo. Filed Oct. 8, 1920. (Section 9 act Mar. 19, 1920.)

STARK SEEDS

Particular description of goods.—Fruit, Vegetable, and Grain Seed.

Claims use since about May 27, 1917.

Ser. No. 138,138. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) REAL FRUIT BEVERAGE Co., South Bend, Ind. Filed Oct. 9, 1920.

Tom & Cherry

No claim is made to the word "Cherry" apart from the mark as shown in the drawing.

Particular description of goods.—Nonalcoholic, Malt less, Noncereal Beverages Sold as Soft Drinks.

Claims use since Sept. 6, 1920.

Ser. No. 138,412. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ELLEN MARGARETA SALENIUS, Sundyberg, Stockholm, Sweden. Filed Oct. 16, 1920.

ATSA

Particular description of goods.—Liquid Separators and Churns.

Claims use since Apr. 12, 1919.

Ser. No. 138,707. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CITY MILLS COMPANY, Columbus, Ga. Filed Oct. 23, 1920.



The background being lined to indicate the color green and the letters being to indicate red.

Particular description of goods.—Corn Meal.

Claims use since Sept. 1, 1920.

Ser. No. 139,959. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM L. CASWELL, Old Orchard, Me. Filed Nov. 22, 1920.

KREMMO

Particular description of goods.—Fondant or Base for Candy and other Like Confections.

Claims use since October, 1918.

Ser. No. 140,113. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) SAMUEL GORDON, New York, N. Y. Filed Nov. 24, 1920.



Particular description of goods.—Pipes, Cigar and Cigarette Holders, Pouch Tobacco Bags, Humidors, and Cigar and Cigarette Cases.

Claims use since Mar. 6, 1918.

Ser. No. 140,219. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A/S TRONDHJEM CANNING AND EXPORT Co., Trondhjem, Norway. Filed Nov. 26, 1920.

Globetrotter Brand

No claim being made to the word "Brand" apart from the mark shown.

Particular description of goods.—Canned Fish.

Claims use since September, 1916.

Ser. No. 141,893. (CLASS 38. PRINTS AND PUBLICATIONS.) THE AMERICAN CALENDAR COMPANY, Greeneville, Tenn. Filed Jan. 6, 1921.

AMERICAN ALMANAC CALENDAR

Particular description of goods.—Calendars, an Annual Publication.

Claims use since January, 1919.

Ser. No. 142,204. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) DIMITRY DELAUNAY & HUSI, Paris, France. Filed Jan. 13, 1921.

ISO

Particular description of goods.—Burners for Acetylene and Gas.

Claims use since Apr. 10, 1919.

Ser. No. 142,293. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL MEDICO-SPECIALTIES LABORATORIES, San Francisco, Calif. Filed Jan. 15, 1921.



Particular description of goods.—Sterilized Solutions, Including Caffeine and Sodium Benzoate, Camphor, Emetine Hydrochloride, Ergot, Iron Arsenite and Compounds Thereof, Iron Cacodylate, Iron Citrate, Mercuric Cyanide, Mercuric Iodide, Mercuric Salicylate, Pilocarpine Nitrate, Quinine Dihydrochloride, Quinine and Urea Hydrochloride, Scopolamine Hydrobromide, Sodium Cacodylate, Sodium Glycerophosphate, Strophanthin, and Compounds of Iron, Quinine, and Strychnine, for Medicinal Purposes, Contained in Sealed Ampuls.

Claims use since June 1, 1920.

Ser. No. 142,836. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ENG-SKELL COMPANY, INC., San Francisco, Calif. Filed Jan. 27, 1921.

CHERRY BLOOM

Particular description of goods.—Flavoring for and a Nonalcoholic, Maltless Beverage Sold as a Soft Drink.

Claims use since 1912.

Ser. No. 142,876. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CANTOL WAX COMPANY, San Antonio, Tex. Filed Jan. 28, 1921.

CANTOL

Particular description of goods.—Belt Dressing and Wax Impregnating Compound for Fabrics and Belts—Namely, Waterproofing, Preserving, and Filling Compound in the Nature of a Belt Dressing.

Claims use since 1914.

Ser. No. 142,936. (CLASS 17. TOBACCO PRODUCTS.) MICHEL MAVROMATAS, New York, N. Y. Filed Jan. 29, 1921.



Particular description of goods.—Cigarettes.

Claims use since about Feb. 1, 1920.

Ser. No. 143,519. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MANUEL Z. TORREÑO, San Antonio, Tex. Filed Feb. 12, 1921.



Particular description of goods.—Prepared Chocolate for Table Use.

Claims use since Jan. 1, 1920.

Ser. No. 143,695. (CLASS 39. CLOTHING.) KRAMER, SAUBER & KESTING, INCORPORATED, Baltimore, Md. Filed Feb. 17, 1921.

The Pilot Brand

No claim being made to the word "Brand" apart from the mark shown.

Particular description of goods.—Middy Blouses.

Claims use since Nov. 26, 1920.

Ser. No. 143,701. (CLASS 10. FERTILIZERS.) GEDEA GAUDIAS DROUIN, St. Eustache, Quebec, Canada. Filed Feb. 17, 1921.



Particular description of goods.—Fertilizers.
Claims use since about May 19, 1920.

Ser. No. 143,721. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH ERNEST STANTON, Montreal, Quebec, Canada. Filed Feb. 17, 1921.



..EPILEP..

Particular description of goods.—A Preparation Specific for Epilepsy.
Claims use since Oct. 1, 1918.

Ser. No. 144,022. (CLASS 25. LOCKS AND SAFES.) THE E. T. FRAIM LOCK CO., Lancaster, Pa. Filed Feb. 25, 1921. Under ten-year proviso.

FRAIM

Particular description of goods.—Locks and Latches.
Claims use since 1879.

Ser. No. 144,225. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY L. FRIEND, Boston, Mass. Filed Mar. 2, 1921.

COFFECTION

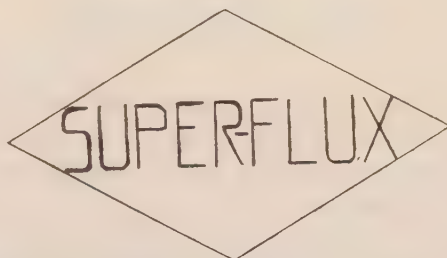
Particular description of goods.—Coffee Flavor in Solid, Powdered, and Liquid Form.
Claims use since Jan. 10, 1921.

Ser. No. 144,226. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY L. FRIEND, Boston, Mass. Filed Mar. 2, 1921.

COFFOFLAVO

Particular description of goods.—Coffee Flavor in Solid, Powdered, and Liquid Form.
Claims use since Jan. 10, 1921.

Ser. No. 144,786. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MOSES R. RENDELL, New York, N. Y. Filed Mar. 15, 1921.



No claim being made to the words "Super-Flux" apart from the mark shown on the drawing.
Particular description of goods.—Chemical Composition for Smelting Purposes.
Claims use since Jan. 1, 1921.

Ser. No. 144,892. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE ANCHOR PACKING COMPANY, Philadelphia, Pa. Filed Mar. 18, 1921.



No claim is made to the word "Sheet" apart from the mark shown in the drawing.
Particular description of goods.—Machinery Packing Composed of Asbestos and Rubber.
Claims use since on or about Feb. 16, 1921.

Ser. No. 145,199. (CLASS 10. FERTILIZERS.) ANA-
CONDA COPPER MINING COMPANY, Anaconda and Butte,
Mont., and New York, N. Y. Filed Mar. 25, 1921.

Anaconda Treble Superphosphate

No claim is made to the use of the words "Treble Superphosphate" apart from the mark shown.

Particular description of goods.—Fertilizers, Particularly Those Containing Phosphate.

Claims use since Jan. 3, 1921.

Ser. No. 145,622. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HENEPH CO., INC., Kingston, N. Y. Filed Apr. 2, 1921.

HENEPH'S

Particular description of goods.—Headache Tablets, Tablets of Aspirin, Porous Plasters, Kidney Pills, Cold and Grippe Tablets, Stomach Tablets, Laxative-Tablets, and Liniments for External Use Treating Pains, Sprains, and Bruises.

Claims use since 1914.

Ser. No. 145,782. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. GODEL & SONS, Peoria, Ill. Filed Apr. 6, 1921.



No claim is made to the word "Brand" apart from the mark shown in the drawing.

Particular description of goods.—Hams, Boiled Hams, Skinned Hams, Slicing Hams, Picnics, Slicing Picnics, Bacon, and Bacon Squares.

Claims use since about Dec. 1, 1913.

Ser. No. 145,941. (CLASS 39. CLOTHING.) EAGLE SUSPENDER & BELT CO., INC., Philadelphia, Pa. Filed Apr. 9, 1921.



No claim is made to the words "Wydeweb Garter" apart from the mark shown.

Particular description of goods.—Hose Supporters and Garters.

Claims use since about December, 1920.

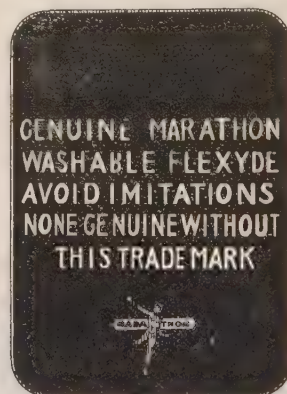
Ser. No. 146,548. (CLASS 39. CLOTHING.) P. H. HANES KNITTING COMPANY, Winston-Salem, N. C. Filed Apr. 22, 1921.



Particular description of goods.—One, Two, and Three Piece Undergarments of Knitted or Woven Material.

Claims use since Nov. 28, 1914.

Ser. No. 146,720. (CLASS 39. CLOTHING.) THE MARATHON TIRE & RUBBER COMPANY, Cuyahoga Falls, Ohio. Filed Apr. 25, 1921.

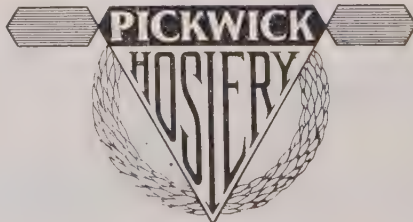


The words "Marathon" and "Flexyde"—all other words being disclaimed—the representation of a runner, and the border is displayed in red on a solid black background.

Particular description of goods.—Leather, Fabric, or Rubber Belts for Supporting Outer Garments.

Claims use since Jan. 31, 1921.

Ser. No. 146,831. (CLASS 39. CLOTHING.) DAVID LEVINE & SONS, New York, N. Y. Filed Apr. 27, 1921.



No claim being made for the word "Hosiery" apart from the mark shown.

Particular description of goods.—Men's, Women's, Children's Hosiery Made of Silk, Cotton, Wool, and other Fabrics.

Claims use since Jan. 2, 1919.

Ser. No. 147,191. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed May 4, 1921.

CHESTERFIELD

Particular description of goods.—Safety Razors.
Claims use since Apr. 26, 1921.

Ser. No. 147,192. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed May 4, 1921.

TUCKAWAY

Particular description of goods.—Safety Razors.
Claims use since Apr. 26, 1921.

Ser. No. 147,193. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed May 4, 1921.

CHIPPENDALE

Particular description of goods.—Safety Razors.
Claims use since Apr. 26, 1921.

Ser. No. 147,194. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed May 4, 1921.

RICHWOOD

Particular description of goods.—Safety Razors.
Claims use since Apr. 26, 1921.

Ser. No. 147,230. (CLASS 39. CLOTHING.) COHEN, GOLDMAN & CO. INC., New York, N. Y. Filed May 5, 1921.

V-WAIST

The lining on the drawing is for shading only. No claim is made for the word "Waist" apart from the mark shown in the drawing.

Particular description of goods.—Men's and Children's Outer Garments, Consisting of Coats, Vests, Pants, Overcoats, Raincoats, and Bath Wraps, and Women's and Children's Outer Garments, Consisting of Coats, Bath Wraps, and Mackinaws.

Claims use since Jan. 1, 1921.

Ser. No. 147,362. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN MORRELL & COMPANY, Ottumwa, Iowa. Filed May 7, 1921.



No claim is made to the phrase "Ye Olden Style" apart from the other features of the mark.

Particular description of goods.—Lard.
Claims use since April, 1916.

Ser. No. 147,532. (CLASS 39. CLOTHING.) JEAN FREDÉRIC SCHWEIZER-CAILLAUX, Vincennes, France. Filed May 10, 1921.

PERMEO

Particular description of goods.—Men's Hats, Caps, Coats, Vests, Trousers, Overcoats, Gloves of Leather and of Fabric; Socks, Shoes of Leather, Rubber, Fabric, and of Leather and Fabric Combined, Undershirts of Knitted Fabric and of Textile Fabric, Drawers of Knitted Fabric and of Textile Fabric, Union Suits of Knitted Fabric and of Textile Fabric, Night Shirts of Knitted Fabric and of Textile Fabric, Pyjamas of Knitted Fabric and of Textile Fabric, Neckties, Collars and Cuffs, and Specially a Waterproof Hat Cover.

Claims use since Jan. 17, 1921.

Ser. No. 147,547. (CLASS 39. CLOTHING.) C. BENEDICT MFG. CO., San Francisco, Calif. Filed May 11, 1921.



Particular description of goods.—Brassières, Bandeaux, Ready-Made Dress Linings, Waterproof Aprons, Baby Pants, Bust Supporters, Corsets, Children's Underwaists, and Hose Supporters.

Claims use since on or about Apr. 1, 1917.

Ser. No. 148,077. (CLASS 39. CLOTHING.) B. KUPPENHEIMER AND Co., Chicago, Ill. Filed May 23, 1921.

"An investment in good appearance"

Particular description of goods.—Men's Outer Clothing—viz., Suits and Overcoats.

Claims use since Mar. 31, 1921.

Ser. No. 148,295. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHASE PRIEST, Grant, Iowa. Filed May 26, 1921.

JIFFY

Particular description of goods.—Yeast Used in the Preparation of Bread.

Claims use since Apr. 25, 1921.

Ser. No. 148,815. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN G. PARKS, Goldsboro, N. C. Filed June 7, 1921.



M. W. Parks, M. D.

Being a portrait and facsimile signature of M. W. Parks, M. D.

Particular description of goods.—Antibilious Pills.

Claims use since Dec. 24, 1920.

Ser. No. 148,924. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COMER, FETTERLY & Co. INC., Union Hill, N. J., and New York, N. Y. Filed June 10, 1921.

OVAZYL

Particular description of goods.—A Pharmaceutical Preparation, Being an Association of Animal-Gland Substances for All Conditions of Ovarian Insufficiency.

Claims use since May 2, 1921.

Ser. No. 148,925. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COMER, FETTERLY & Co. INC., Union Hill, N. J., and New York, N. Y. Filed June 10, 1921.

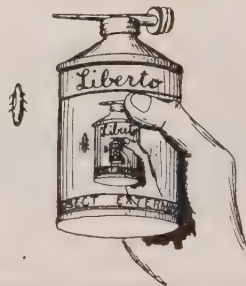
HEPAZYN

Particular description of goods.—A Pharmaceutical Preparation, Being an Association of Animal-Gland Substances for Liver Diseases, Such as Cirrhosis, Fatty, and Waxy Degeneration; Infectious and Circulatory Diseases; Toxemias, (Especially of Malarial Type;) Jaundice, and Catarrh of the Gall Bladder and Hepatic Duct.

Claims use since May 2, 1921.

Ser. No. 149,196. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN LIBERTO, New York, N. Y. Filed June 15, 1921.

Liberto



INSECT EXTERMINATOR

No claim being made to the representation of the can or to the words "Insect Exterminator."

Particular description of goods.—A Chemical Preparation as an Insect Exterminator.

Claims use since Apr. 12, 1921.

Ser. No. 149,268. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE CLIMAX RUBBER CO., Columbus, Ohio. Filed June 17, 1921.

CLIMAX

Particular description of goods.—Automobile Tires of Rubber and of Rubberized Fabric, Inner Tubes for Tires, Tire Liners, and Tire Patches.

Claims use since Sept. 28, 1917.

Ser. No. 149,589. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) H AND S LABORATORIES, Chicago, Ill. Filed June 24, 1921.

H AND S
METAL POLISH

"IT DOES THE WORK"

The lining in the drawing is merely for the purpose of shading and not to distinguish any particular color. No claim is made to the words "Metal Polish" and "It Does the Work" other than its use as shown in the drawing.

Particular description of goods.—Metal Polishes.

Claims use since Mar. 15, 1921.

Ser. No. 149,655. (CLASS 39. CLOTHING.) SHAPERO, LEWIS & Co., New York, N. Y. Filed June 25, 1921.

SAN TAY
FLAPPERS

No claim is made to the word "Flappers" apart from the mark shown.

Particular description of goods.—Dresses.

Claims use since June 1, 1921.

Ser. No. 149,761. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LITTLEFIELD & STEERE CO., Knoxville, Tenn. Filed June 28, 1921.

UNAKA

Particular description of goods.—Chocolates and Candies.

Claims use since 1904.

295 O. G.—13

Ser. No. 149,802. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed June 29, 1921.



No claim being made to the printed words appearing on the mark with the exception of "Gillette" and the signature "King C. Gillette."

Particular description of goods.—Safety Razors.

Claims use since Apr. 26, 1921.

Ser. No. 149,854. (CLASS 39. CLOTHING.) EDWIN N. KAUFFMAN, Mahaffey, Pa. Filed June 30, 1921.



Particular description of goods.—Knee Pads for Miners.

Claims use since June, 1921.

Ser. No. 149,866. (CLASS 39. CLOTHING.) G. SINDENBERG & Co., New York, N. Y. Filed June 30, 1921.



Particular description of goods.—Collars, Cuffs, Guimpes, Vestees, Ruffs, Jabots, and Chemisettes.

Claims use since 1863.

Ser. No. 149,976. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PATRICK-YOUNG CO. INC., Richmond, Va. Filed July 2, 1921.

Harrot

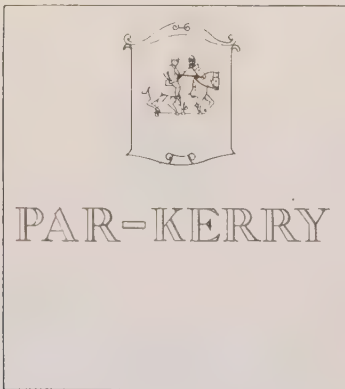
"It Talks"



Particular description of goods.—Hams, Bacon, and Lard.

Claims use since June 15, 1921.

Ser. No. 149,977. (CLASS 39. CLOTHING.) ROSENBERG BROS. & CO., Rochester, N. Y. Filed July 2, 1921.



Particular description of goods.—Men's Ulsters and Overcoats.

Claims use since on or about Feb. 1, 1921.

Ser. No. 149,978. (CLASS 39. CLOTHING.) RELIABLE KNITTING WORKS, Milwaukee, Wis. Filed July 2, 1921.

ARCTICAP

Particular description of goods.—Knitted Caps.
Claims use since Apr. 1, 1921.

Ser. No. 150,123. (CLASS 39. CLOTHING.) CHARLES WAX, Philadelphia, Pa. Filed July 7, 1921.



Particular description of goods.—Dress Shirts, Negligée and Work Shirts, Pyjamas, Nightshirts and Textile Underwear for Men, Women, and Children.

Claims use since Feb. 1, 1921.

Ser. No. 150,139. (CLASS 39. CLOTHING.) DAVIS-POPE COMPANY, INC., Norwalk, Conn. Filed July 8, 1921.



Particular description of goods.—Men's and Women's Hats.

Claims use since June 20, 1921.

Ser. No. 150,260. (CLASS 39. CLOTHING.) BUD HAT COMPANY, INC., New York, N. Y. Filed July 12, 1921.

Bud

Particular description of goods.—Ladies' Hats.
Claims use since May 10, 1921.

Ser. No. 150,261. (CLASS 39. CLOTHING.) BUD HAT COMPANY, INC., New York, N. Y. Filed July 12, 1921.



Particular description of goods.—Ladies' Hats.
Claims use since May 10, 1921.

Ser. No. 150,284. (CLASS 12. CONSTRUCTION MATERIALS.) OLD MISSION PORTLAND CEMENT COMPANY, San Francisco and San Juan Bautista, Calif. Filed July 12, 1921.



No claim is made to the words "Portland-Cement, California, U. S. A."

Particular description of goods.—Portland Cement.
Claims use since June 1, 1918.

Ser. No. 150,521. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) DIMEX MALT EXTRACT Co. INC., Port Jervis, N. Y. Filed July 18, 1921.

DIMEX

Particular description of goods.—Malt Extract and Dried Grains for Making Malt Beverages.
Claims use since Apr. 5, 1919.

Ser. No. 150,580. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WHITE MOP WRINGER CO., Fultonville, N. Y. Filed July 18, 1921.



Particular description of goods.—Mop Wringers.
Claims use since 1874.

Ser. No. 150,581. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN HOMINY COMPANY, Indianapolis, Ind. Filed July 19, 1921.

ISOTOSE

Particular description of goods.—Corn Sirup for Food Purposes.

Claims use since Oct. 4, 1920.

Ser. No. 150,672. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN JOSEPH SCHREIBER, Minneapolis, Minn. Filed July 20, 1921.

Oimeel

Consists of the word "Oimeel."

Particular description of goods.—Stock and Poultry Feeds.

Claims use since Apr. 7, 1921.

Ser. No. 150,732. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) CHEMICAL WORKS BRUGG, LIMITED, Brugg, Switzerland. Filed July 21, 1921.

FREEALCO

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink and Sirup for Manufacturing the Same.

Claims use since Apr. 8, 1920.

Ser. No. 150,743. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FILIPPO FERRONE, New York, N. Y. Filed July 21, 1921.

MAGNESINA

Particular description of goods.—Pharmaceutical Preparations, a Mixture of Medicines Scientifically Compound-
ed, a Laxative, a Digestive, in Powder, Tablet, and Capsule
Forms, for the Treatment of Gastro-Intestinal Disturb-
ances, Nausea, Acidity, Constipation, and Sour Stomach.
Claims use since Oct. 10, 1919.

Ser. No. 150,748. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) EMERY C. HODGES, Joliet, Ill. Filed July 21, 1921.

DRY-SHOE



The picture on trade-mark is a portrait of applicant's daughter, Beulah Hodges.

Particular description of goods.—Preparations for Wa-
terproofing, Preserving, and Softening Shoe Leather.
Claims use since Sept. 1, 1916.

Ser. No. 150,761. (CLASS 46. FOODS AND INGREDI-
ENTS OF FOODS.) J. P. MILLOGLAV, Los Angeles,
Calif. Filed July 21, 1921.

PURPLE BANNER BRAND



The field of the banner being in purple color, no claim
being made to the word "Brand" apart from the mark as
shown.

Particular description of goods.—Potatoes in Their Nat-
ural State.

Claims use since Mar. 20, 1921.

Ser. No. 150,765. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORGAN-IRON COMPANY, Omaha, Nebr. Filed July 21, 1921.

ORGAN-IRON

No claim being made to the word "Iron" apart from
the mark shown in the drawing.

Particular description of goods.—Medicine Used in Cases
of General Weakness, Nervousness, Lack of Iron in the
Blood, and as a General Tonic in Run-Down and Exhausted
Conditions of the System.

Claims use since May 15, 1921.

Ser. No. 150,817. (CLASS 37. PAPER AND STATION-
ERY.) WHITNEY MOCKBRIDGE, London, Middlesex, Eng-
land. Filed July 22, 1921.

Studade

Particular description of goods.—Bookholders.
Claims use since Apr. 8, 1921.

Ser. No. 151,011. (CLASS 46. FOODS AND INGREDI-
ENTS OF FOODS.) THE KANSAS CITY MILLING CO.,
Kansas City, Mo. Filed July 27, 1921.

TOM SAWYER

Particular description of goods.—Wheat Flour.
Claims use since July 15, 1921.

Ser. No. 151,185. (CLASS 4. ABRASIVE, DETERGENT,
AND POLISHING MATERIALS.) JOHN M. McVoy,
Springhill, Ala. Filed July 30, 1921.

KENE-GE

Particular description of goods.—Razor-Strop Dressing.
Claims use since June 2, 1921.

Ser. No. 151,240. (CLASS 46. FOODS AND INGREDI-
ENTS OF FOODS.) LEO SIMON, Natchez, Miss. Filed
Aug. 1, 1921.

"OLE MISSUS"



Particular description of goods.—Fruit Cakes.
Claims use since about Jan. 1, 1919.

Ser. No. 151,249. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BORDEN'S FARM PRODUCTS COMPANY, INC., Wassaic and New York, N. Y. Filed Aug. 2, 1921. Under ten-year proviso.



That no claim is made to the right to the exclusive use of the words "Quality" and/or "Service" and/or "Quality Service" except in the setting and relation in which they appear in the drawing, description, and samples of the trade-mark filed with this application.

Particular description of goods.—Butter, Cheese, Ice Cream, and Eggs.

Claims use since October, 1917.

Ser. No. 151,250. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BORDEN'S FARM PRODUCTS COMPANY, INC., Wassaic and New York, N. Y. Filed Aug. 2, 1921. Under ten-year proviso.



That no claim is made to the right to the exclusive use of the words "Quality" and/or "Service" and/or "Quality Service" except in the setting and relation in which they appear in the drawing, description, and samples of the trade-mark filed with this application.

Particular description of goods.—Raw or Pasteurized Milk, (as Distinguished from Condensed or Otherwise-Treated Milk,) Raw or Pasteurized Cream, (as Distinguished from Evaporated or Otherwise-Treated Cream.) and Buttermilk.

Claims use since October, 1917.

Ser. No. 151,252. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BECKER PROVISION Co., Little Rock, Ark. Filed Aug. 2, 1921.

Arkansas Pride

Particular description of goods.—Hams, Bacons, Butter, Eggs, and Sausage.

Claims use since May, 1920.

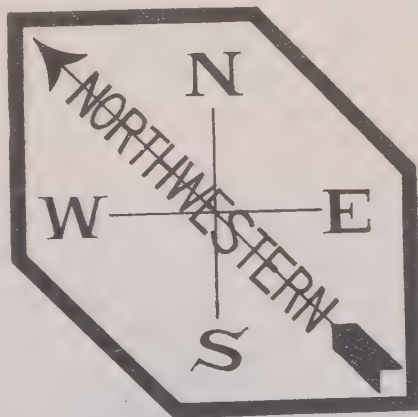
Ser. No. 151,276. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LA SOCIETE ANONYME DES AMIDONNERIE & RIZERIE DE FRANCE, Marquette-Lille, France. Filed Aug. 2, 1921.

ZITE

Particular description of goods.—A Sauce and Ingredient for Sauces Used Also in the Preparation of Creams, Vegetables, and Soups.

Claims use since May, 1921.

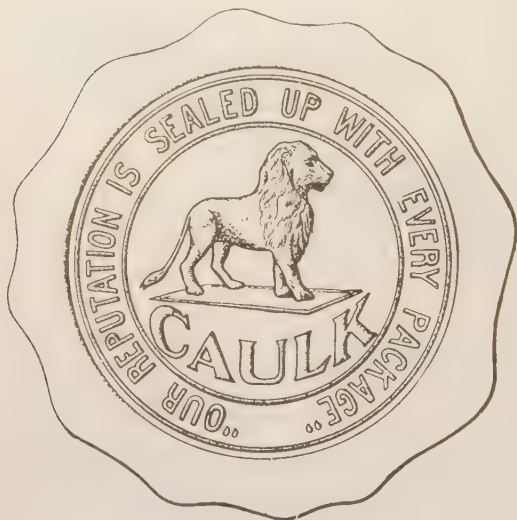
Ser. No. 151,464. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NORTHWESTERN CHEMICAL COMPANY, Wauwatosa, Wis. Filed Aug. 5, 1921.



Particular description of goods.—Butyric Ether, Butyric Acid, Amyl Butyrate, Acetic Ether, Amyl Acetate, Amyl Valerate, Saponin, Methyl Benzoate, Benzoic Ether, Caproic Ether, Amyl Saproate, Ammonium Valerate, and Caproic Acid.

Claims use since Aug. 1, 1920.

Ser. No. 151,509. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE L. D. CAULK COMPANY, Milford, Del. Filed Aug. 6, 1921.

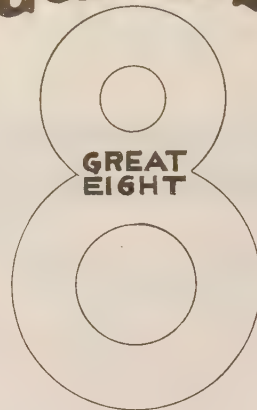


Particular description of goods.—Dental Supplies and Appliances—Namely, Porcelain for Use in Filling Teeth and for Producing Dental Crowns and Inlays, Facing Forms, Crown Forms, Celluloid Strips, Polishing Wheels, Mandrels for Polishing Wheels, Matrix Springs, Instruments for Manipulating Dental Porcelain, Mouth Props, Spatulas, Lancets, Cotton Pliers, Alloys, Instruments for Manipulating Amalgam, Amalgams, Bridge and Inlay Cement, Cements for Filling Teeth, Preparations for the Treatment of Dental Abscesses and for Capping Pulp and Nerves, Temporary Stopping, Points for Filling Root Canals, Caps for Temporarily Closing Cavities, Dental Waxes, Casting Investments, Soldering Investments, Wax Trays, Die Plates for Artificial Teeth, and Cocoa Butter Prepared for Use with Facing Forms, Crown Forms, and Celluloid Strips, and other Lubricating Purposes.

Said trade-mark has been continuously used in the business of said corporation as applied to porcelain for use in filling teeth and for producing dental crowns and inlays, and as applied to instruments for manipulating dental porcelain since the month of July, 1911; as applied to facing forms and matrix springs since April, 1917; as applied to crown forms since December, 1917; as applied to celluloid strips since January, 1916; as applied to polishing wheels and mandrels therefor since April, 1918; as applied to mouth props since February, 1913; as applied to crown forms since December, 1917; as applied to celluloid strips since January, 1916; as applied to spatulas, lancets, and cotton pliers since July, 1919; as applied to alloys since June, 1898; as applied to instruments for manipulating amalgam since October, 1918; as applied to amalgam since February, 1917; as applied to bridge and inlay cement and to cements for filling teeth since July, 1907; as applied to preparations for the treatment of dental abscesses and for capping pulp and nerves since January, 1911; as applied to temporary stopping and to points for filling root canals since August, 1908; as applied to caps for temporarily closing cavities since May, 1913; as applied to dental waxes since August, 1908; as applied to casting investments since January, 1915; as applied to soldering investment since Sept. 15, 1919; as applied to wax trays since June, 1916; as applied to die plates for artificial teeth since October, 1910, and as applied to cocoa butter prepared for use with facing forms, crown forms, and celluloid strips and other lubricating purposes since November, 1913.

Ser. No. 151,571. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AVISTON FLOUR COMPANY INC., Jackson, Miss. Filed Aug. 9, 1921.

GOBER'S



Particular description of goods.—Stock and Poultry Feed.

Claims use since January, 1921.

Ser. No. 151,599. (CLASS 39. CLOTHING.) FRANKLIN SIMON & Co. INC., New York, N. Y. Filed Aug. 9, 1921.

GOTHDALE

Particular description of goods.—Men's and Boys' Furnishings, Undergarments, and Clothing—Namely, House Coats, Waistcoats, Bath Robes, Smoking Robes, Smoking Jackets, Drawers, Pyjamas, Dress Shirts, Undershirts, Night Shirts, Union Suits, Bathing Suits, Swimming Suits, Dressing Gowns, Sweaters, Mufflers, Collars, Gloves, Hosiery, Overcoats, Raincoats, Dress Suits, Golf Suits, Hunting Suits, Riding Suits, Tuxedo Suits, Walking Suits, Sack Suits, Trousers, Hats, and Caps Made Out of Textile Material, and Gloves, Sweaters, Mufflers, Bathing Suits, Swimming Suits, Drawers, Undershirts, Hats, and Caps Made Out of Knitted Material, and for Women's, Girls', and Misses' Furnishings, Undergarments, and Clothing—Namely, Dresses, Corsets, Tailored Suits, Walking Suits, Sport Suits, Golf Suits, Riding Suits, Negligées, Skirts, Nightgowns, Petticoats, Bodices, Chemises, Drawers, Combinations, Bath Robes, Shirt Waists, Bathing Suits, Dressing Gowns, Sweaters, Mufflers, Hosiery, Raincoats, Sport Coats, Hats, Caps, and Coats Made Out of Textile Material, and Dresses, Corsets, Tailored Suits, Walking Suits, Sport Suits, Negligées, Golf Suits, Riding Suits, Skirts, Nightgowns, Petticoats, Bodices, Chemises, Drawers, Combinations, Bath Robes, Shirt Waists, Bathing Suits, Dressing Gowns, Sweaters, Mufflers, Hosiery, Hats, and Caps Made Out of Knitted Material, and for Men's, Women's, Boys', and Girls' Shoes, Boots, Slippers, Leggings, Puttees, Made Out of Leather, Rubber, Canvas, Buckskin, or Linen or Composition of Similar Materials.

Claims use since Mar. 15, 1921.

Ser. No. 151,600. (CLASS 39. CLOTHING.) FRANCIS W. TULLY, Boston, Mass. Filed Aug. 9, 1921.



Particular description of goods.—Raincoats.
Claims use since Aug. 4, 1921.

Ser. No. 151,608. (CLASS 39. CLOTHING.) BURTON BROS. & Co., New York, N. Y. Filed Aug. 10, 1921.

“OUIJA”
“The Miracle Cloth”

Consisting of the words “Ouija, The Miracle Cloth,” no claim being made to the exclusive use of the word “Cloth” apart from the mark shown in the drawing.

Particular description of goods.—Petticoats.
Claims use since Jan. 1, 1921.

Ser. No. 151,632. (CLASS 39. CLOTHING.) JULIET JOHANNA JONAS, New York, N. Y. Filed Aug. 10, 1921.



Particular description of goods.—Ladies' Hats and Gowns.
Claims use since Mar. 8, 1920.

Ser. No. 151,677. (CLASS 39. CLOTHING.) THE LOUIS STIX Co., Cincinnati, Ohio. Filed Aug. 11, 1921.



Particular description of goods.—Hosiery.
Claims use since Jan. 6, 1921.

Ser. No. 151,678. (CLASS 39. CLOTHING.) THE LOUIS STIX Co., Cincinnati, Ohio. Filed Aug. 11, 1921.



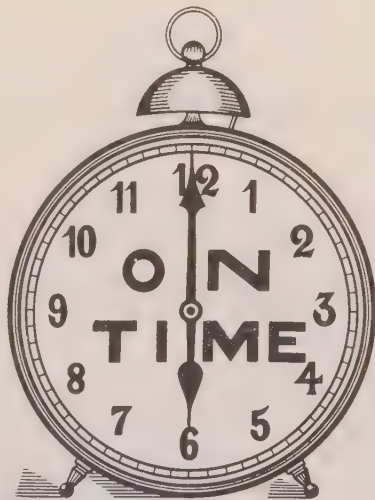
Particular description of goods.—Hosiery.
Claims use since March, 1921.

Ser. No. 151,788. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DULLE-MEYER MILLING COMPANY, Chamois, Mo. Filed Aug. 15, 1921.

White Cloud

Particular description of goods.—Self-Rising Flour.
Claims use since about March, 1921.

Ser. No. 151,797. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HADLEY MILLING COMPANY, Olathe, Kans. Filed Aug. 15, 1921.



Particular description of goods.—Self-Rising Flour.
Claims use since about June 30, 1913.

Ser. No. 151,861. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SOLOMON D. BENOLIEL, Philadelphia, Pa. Filed Aug. 17, 1921.



No claim being made for the word “Products.”
Particular description of goods.—Cleaners for Metal Prior to Plating, Japanning, Galvanizing, and Rough Cleaning Between Machine Operations.
Claims use since December, 1920.

Ser. No. 151,865. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) COCA-COLA BOTTLING DISTRIBUTING CO., Los Angeles, Calif. Filed Aug. 17, 1921.

PLEZE

Particular description of goods.—Nonalcoholic, Non-cereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.

Claims use since July 1, 1920.

Ser. No. 151,889. (CLASS 31. FILTERS AND REFRIGERATORS.) ISAAC FRANK STEVENS, Nashua, N. H. Filed Aug. 17, 1921.

ROCKY MOUNTAIN

Particular description of goods.—Refrigerators.

Claims use since 1908.

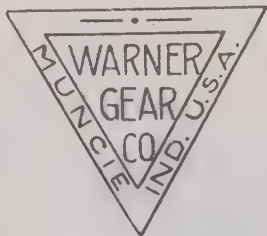
Ser. No. 151,890. (CLASS 31. FILTERS AND REFRIGERATORS.) ISAAC FRANK STEVENS, Nashua, N. H. Filed Aug. 17, 1921.

GREEN MOUNTAIN

Particular description of goods.—Refrigerators.

Claims use since 1900.

Ser. No. 151,897. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WARNER GEAR COMPANY, Muncie, Ind. Filed Aug. 17, 1921.



Apart from the mark as shown no exclusive right is asserted in the words "Muncie" and "Ind. U. S. A." appearing in the mark.

Particular description of goods.—Transmissions, Differentials, Clutches, Control Levers, and Gears for Automotive Vehicles.

Claims use since Jan. 20, 1916.

Ser. No. 151,913. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ABRAHAM J. EISENBERG, Chicago, Ill. Filed Aug. 18, 1921.

Clemug

Particular description of goods.—Sanitary Shaving Outfit.

Claims use since Aug. 9, 1921.

Ser. No. 152,225. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE ACME MACHINE TOOL COMPANY, Cincinnati, Ohio. Filed Aug. 26, 1921.

SUPER-MATIC

Particular description of goods.—Machine Tools, More Particularly Described as "Vertical Drilling, Tapping, and Boring Machine Tools."

Claims use since Apr. 1, 1921.

Ser. No. 152,345. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ROLLING RED STORES COMPANY, INC., Chattanooga, Tenn. Filed Aug. 29, 1921.



The drawing is lined for color, the words "Serves," "Saves," "Pay Cash," and "Pay Less" being lined for yellow, the background proper being lined for red, whereas the background of the words "Rolling Red" is lined for yellow and the words "Rolling Red" being lined for red. No claim is made to any of the illustrated matter except the words "Rolling Red."

Particular description of goods.—Trucks and Truck Bodies for Driven or Drawn Vehicles.

Claims use since December, 1919.

Ser. No. 152,658. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) SOUTHERN BEVERAGE COMPANY, Galveston, Tex. Filed Sept. 6, 1921.

JULO

Particular description of goods.—Nonalcoholic, Maltless Beverages, Both Carbonated in Bottles and Uncarbonated in a Concentrated Form, and Including Sirups and Extracts for Making Such Beverages.

Claims use since January, 1920.

Ser. No. 152,709. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES D. HOWARD, Knoxville, Tenn. Filed Sept. 8, 1921.



Particular description of goods.—Medicine Recommended as a Local Rub and Inhalant as an Aid in the Relief of Croup, Colds, Coughs, and Certain Congested Conditions of the Air Passages.

Claims use since Apr. 12, 1921.

Ser. No. 153,030. (CLASS 38. PRINTS AND PUBLICATIONS.) BROCKMANN & COMPANY, Charlotte, N. C. Filed Sept. 17, 1921.



Particular description of goods.—Completely-Printed Books.

Claims use since May, 1919.

Ser. No. 153,067. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BREWSTER, GORDON & CO. INC., Rochester, N. Y. Filed Sept. 19, 1921.



Particular description of goods.—Coffee.

Claims use since April, 1920.

Ser. No. 153,116. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed Sept. 19, 1921.

FAT BACK DOMINOS

No claim being made to the term "Fat Back" apart from the mark shown.

Particular description of goods.—Hog Meat or Pork, the Fatback of the Hog Above the Spinal Column Extending from the Shoulder to the Hips.

Claims use since Jan. 1, 1921.

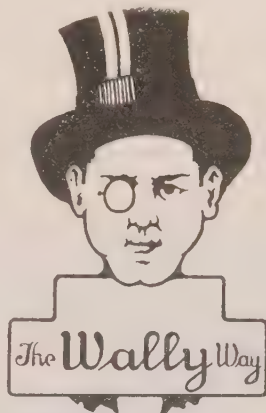
Ser. No. 153,132. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) EAU CLAIRE SAND AND GRAVEL CO., Eau Claire, Wis. Filed Sept. 20, 1921.



Particular description of goods.—Sand and Gravel of Various Kinds.

Claims use since February, 1919.

Ser. No. 153,164. (CLASS 38. PRINTS AND PUBLICATIONS.) WALLY, INC., Cleveland, Ohio. Filed Sept. 20, 1921.



The picture being fanciful.

Particular description of goods.—Printed, Embossed, and Engraved Advertising Cards, Sheets, Circulars, and Pamphlets, Printed Advertisements, Prepared for Customers and for Printed Signs.

Claims use since June 15, 1921.

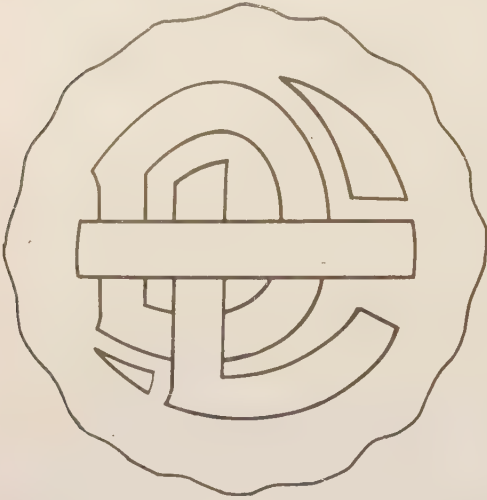
Ser. No. 153,206. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HENRY DISS-TON & SONS, INCORPORATED, Philadelphia, Pa. Filed Sept. 22, 1921.



Particular description of goods.—Saws, Saw Sets, and Screw Drivers.

Claims use since Aug. 30, 1921, on saws; since Oct. 5, 1921, on saw sets and screw drivers.

Ser. No. 153,282. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DAIRY LABORATORIES, Philadelphia, Pa. Filed Sept. 24, 1921.



Particular description of goods.—Chlorine Solution, Fly Spray, Sour-Milk-Testing Solution, Bacteriologists' Cultures, Antiseptics, and Corrosive Sublimate Tablets.
Claims use since March, 1914.

Ser. No. 153,314. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE NATIONAL AUTOMATIC TOOL COMPANY, Richmond, Ind. Filed Sept. 24, 1921.

THE HOLE STORY IN ONE WORD

Consisting of the phrase "The Hole Story in One Word."
Particular description of goods.—Drilling, Reaming, and Tapping Machines.
Claims use since Dec. 2, 1919.

Ser. No. 153,339. (CLASS 12. CONSTRUCTION MATERIALS.) THE PHILIP CAREY MANUFACTURING CO., Lockland, Ohio. Filed Sept. 26, 1921.

FELTEX

Particular description of goods.—Roofing Composed in Whole or in Part of Felted Materials, Wool Felt, Roofing Paper, Woven Materials, Sheathing Papers; Waterproofing Materials and Damp-Proofing Materials—Namely, Saturated Papers, Saturated Felts, Saturated Woven Materials, Composition Boards of Saturated Felt and Bituminous Materials; Sheet Materials Having Waterproofing, Water-Resisting, or Damp-Resisting Qualities for Application to Masonry Surfaces, Foundations, Walls, Roofs, Floors, Concrete Work, Brick, Stone, Stucco, or Tile; Saturated Waterproof Felts, Waterproof Woven Fabrics, or a Composition of Two or More of said Materials.
Claims use since about October, 1912.

Ser. No. 153,421. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) WADSWORTH, HOWLAND & CO., INCORPORATED, Boston, Mass. Filed Sept. 27, 1921.

FELKIM

Particular description of goods.—Painters' Brushes.
Claims use since 1908.

Ser. No. 153,435. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BASTANCHURY RANCH COMPANY, Fullerton, Calif. Filed Sept. 28, 1921.



GOLDEN RAM

Particular description of goods.—Fresh Citrus Fruits.
Claims use since Jan. 15, 1921.

Ser. No. 153,444. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES A. COE, Jersey City, N. J. Filed Sept. 28, 1921.

JIMKO

Particular description of goods.—A Preparation for Coughs, Colds, and Mild Bronchial Preparation.
Claims use since July 29, 1921.

Ser. No. 153,468. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NUNNALLY COMPANY, Atlanta, Ga. Filed Sept. 28, 1921.

The Review

Particular description of goods.—Candies.
Claims use since Sept. 20, 1921.

Ser. No. 153,473. (CLASS 38. PRINTS AND PUBLICATIONS.) PALMER PHOTOPLAY CORPORATION, Los Angeles, Calif. Filed Sept. 28, 1921.

THE PHOTO DRAMATIST

Particular description of goods.—Monthly Magazine Devoted to the Interests of Photoplay Authors.
Claims use since May, 1921.

Ser. No. 153,478. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE STANDARD ULTRAMARINE Co., Huntington, W. Va. Filed Sept. 28, 1921.



No claim being made to the words "Neos Blue" apart from the mark shown.

Particular description of goods.—Ultramarine Blue.
Claims use since Aug. 25, 1921.

Ser. No. 153,490. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WIRTH CHOCOLATE COMPANY, Boston, Mass. Filed Sept. 28, 1921.

CONCORDS

Particular description of goods.—Candy.
Claims use since Apr. 15, 1921.

Ser. No. 153,512. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) L. MUNDET & SON, Brooklyn, N. Y. Filed Sept. 29, 1921.



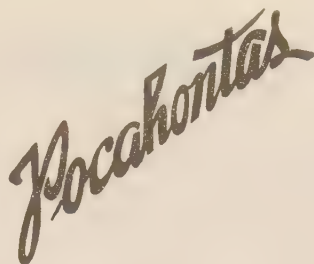
Consisting of the word "Jointite."
Particular description of goods.—Composition Cork Gaskets and Composition Cork Sheets from Which Gaskets are Cut.
Claims use since 1918.

Ser. No. 153,530. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY N. WOOD, Boise, Idaho. Filed Sept. 29, 1921.

Rosewood Ranch

Particular description of goods.—Partially-Dried and Dried Prunes.
Claims use since Jan. 15, 1919.

Ser. No. 153,574. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE VIRGINIA DARE COMPANY, Baltimore, Md. Filed Sept. 30, 1921.



Particular description of goods.—Candies.
Claims use since June 4, 1919.

Ser. No. 153,576. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMBASSADOR CHOCOLATE COMPANY, Baltimore, Md. Filed Oct. 1, 1921.

Diplomat Wonder Chocolates

No claim is made to the descriptive phrase "Wonder Chocolates" apart from the other features of the mark shown on the drawing.

Particular description of goods.—Candy, Chocolate-Covered Nuts, Nougat, Caramels, Cream Chocolates, Nuts in Cream, Chocolate-Covered Liquid-Cordial Cherries and Other Liquid-Cordial Fruits, Italian Creams, Bonbons, and Assortments of the Above Varieties.

Claims use since July 1, 1921.

Ser. No. 153,587. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WALTER CHOINSKI, Milwaukee, Wis. Filed Oct. 1, 1921.

SPONTANO

Particular description of goods.—Self-Cleaning Pit Mats for Bowling Alleys and Devices to be Attached to Return Troughs for Trapping and Cleaning the Balls.
Claims use since Aug. 15, 1921.

Ser. No. 153,588. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES I. COOK, Menominee, Mich. Filed Oct. 1, 1921.

POLLYANNA

Particular description of goods.—Coffee.
Claims use since Sept. 6, 1921.

Ser. No. 153,622. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN SEXTON AND COMPANY, Chicago, Ill. Filed Oct. 1, 1921.

EDELWEISS

Particular description of goods.—Soap, (Toilet and Laundry;) Shaving Soap; Shaving Cream, (Suitable for Use Before Shaving;) Granulated Soap, Soap Flakes, Washing Compounds, Scouring Powder, Wall-Paper Cleaner, Sweeping Compound, Flushing Powder, Metal Polish, Harness Oil, and Oil for Preserving and Softening Leather.

Claims use since January, 1905.

Ser. No. 153,623. (CLASS 12. CONSTRUCTION MATERIALS.) JOHN SEXTON AND COMPANY, Chicago, Ill. Filed Oct. 1, 1921.

EDELWEISS

Particular description of goods.—Prepared Roofing and Roof Cement.

Claims use since June 7, 1916.

Ser. No. 153,635. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLARK J. ALLEN, Minneapolis, Minn. Filed Oct. 3, 1921.

THATS-IT

Particular description of goods.—A Composition for Removing Scale from Boilers and Radiators.

Claims use since Sept. 29, 1921.

Ser. No. 153,644. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COVINA ORANGE GROWERS ASSOCIATION, Covina, Calif. Filed Oct. 3, 1921.

PREFERRED



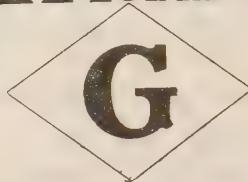
The picture of the orange does not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Fresh Citrus Fruits—Namely, Oranges.

Claims use since Nov. 20, 1916.

Ser. No. 153,658. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. B. GLAFKE Co., Portland, Oreg. Filed Oct. 3, 1921.

DIAMOND 'G'



Particular description of goods.—Fresh Deciduous Fruits—Namely, Apples.

Claims use since Aug. 30, 1921.

Ser. No. 153,662. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOFER ICE CREAM COMPANY, Buffalo, N. Y. Filed Oct. 3, 1921.



Particular description of goods.—Ice Cream.

Claims use since Aug. 1, 1921.

Ser. No. 153,685. (CLASS 38. PRINTS AND PUBLICATIONS.) THE NEAR EAST AMERICAN PUBLISHING COMPANY, Washington, D. C. Filed Oct. 3, 1921.

THE NEAR EAST AMERICAN

Particular description of goods.—Weekly Newspaper.

Claims use since Aug. 22, 1921.

Ser. No. 153,688. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. L. PARKS TEA COMPANY, Boston, Mass. Filed Oct. 3, 1921.

GOLD HOPPER



Particular description of goods.—Coffee, Tea, and Cocoa.

Claims use since Apr. 1, 1898.

Ser. No. 153,692. (CLASS 46. FOODS AND INGREDIENTS OF GOODS.) RODDENBERRY BROS., Cairo, Ga. Filed Oct. 3, 1921.

DIXIE MAID

Particular description of goods.—Cane Sirup.
Claims use since Aug. 9, 1921.

Ser. No. 153,725. (CLASS 8. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. A. HUDSON COMPANY, INCORPORATED, Auburn, N. Y. Filed Oct. 4, 1921.



Particular description of goods.—Face and Hand Creams and Lotions.

Claims use since Jan. 1, 1919, except on lemon cream, on which it has been in use since May 23, 1921.

Ser. No. 153,738. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MILLER BROS. & COMPANY, Philadelphia, Pa. Filed Oct. 4, 1921.



Particular description of goods.—Bedclothing—Namely, Comfortables, Quilts, Blankets, and Bedspreads.

Claims use since Sept. 2, 1921.

Ser. No. 153,740. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MYSTOL MANUFACTURING CO., Glens Falls, N. Y. Filed Oct. 4, 1921.

Mystol

Particular description of goods.—Flavoring Extract.
Claims use since 1915.

Ser. No. 153,812. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) WILLIAM C. JOHNSON, Providence, R. I. Filed Oct. 6, 1921.



The words "High Lustre Mercerized Shoe Laces" are disclaimed apart from the mark shown.

Particular description of goods.—Mercerized Shoe Laces.
Claims use since June 1, 1921.

Ser. No. 153,874. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DINUBA FRUIT GROWERS COMPANY, Dinuba, Calif. Filed Oct. 8, 1921.

GOLDEN HARVEST

Particular description of goods.—Fresh Grapes.
Claims use since Aug. 15, 1921.

Ser. No. 153,879. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FOWLER GRAPE GROWERS ASSOCIATION, Fowler, Calif. Filed Oct. 8, 1921.

GOLD BUCKLE

Particular description of goods.—Fresh Deciduous Fruits—Namely, Malagas.
Claims use since Aug. 18, 1921.

Ser. No. 153,919. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MARIE A. BUTLER, New York, N. Y. Filed Oct. 10, 1921.

Pit-a-Pat-Puff

Applicant disclaims the word "Puff" apart from the mark as shown.

Particular description of goods. Powder Puffs.
Claims use since Sept. 15, 1921.

Ser. No. 154,003. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE VOGELE & DINNING Co., Mansfield, Ohio. Filed Oct. 11, 1921.

Veeandee

Particular description of goods.—Candy.
Claims use since 1911.

Ser. No. 154,021. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed Oct. 12, 1921.

Sapphirol

Particular description of goods.—Dyes and Dyestuffs, Raw and Intermediate Dye Products, Mordants for Dyeing, and Photographic Chemicals.

Claims use since about Mar. 1, 1898.

Ser. No. 154,023. (CLASS 37. PAPER AND STATIONERY.) FRANK W. HYMAN, New York, N. Y. Filed Oct. 12, 1921.

Typophane

Particular description of goods.—Transfer Sheets for Use in the Art of Printing.

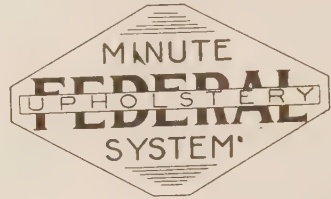
Claims use since about May 1, 1921.

Ser. No. 154,056. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BUFFALO SPECIALTY CO., Buffalo, N. Y. Filed Oct. 13, 1921.

KEM-O-ZONE

Particular description of goods.—Antiseptics.
Claims use since about Oct. 1, 1921.

Ser. No. 154,104. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) FEDERAL AUTOMOBILE PAINTING & TRIMMING COMPANY, Detroit, Mich. Filed Oct. 14, 1921.



No claim being made to the words "Upholstery" and "Minute System."

Particular description of goods.—Automobile Cushions and Radiator Covers.

Claims use since Sept. 13, 1921.

Ser. No. 154,153. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) I. MAGNIN & Co., San Francisco, Calif., and New York, N. Y. Filed Oct. 15, 1921.

BAISER DE ROSE

Consisting of the words "Baiser de Rose."

Particular description of goods.—Toilet Cream.

Claims use since Sept. 19, 1921.

Ser. No. 154,162. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UTOPIAN SWEETS COMPANY, Seattle, Wash. Filed Oct. 15, 1921.

Apple



Delight

Particular description of goods.—Candy.
Claims use since June 1, 1921.

Ser. No. 154,192. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
MARJORIE J. HADSEN, Chicago, Ill. Filed Oct. 17, 1921.

MAR-DEN



Particular description of goods.—Manicure Oil and Nail Polish.

Claims use since Aug. 15, 1921.

Ser. No. 154,254. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WENATCHEE SKOOKUM GROWERS, Wenatchee, Wash. Filed Oct. 17, 1921.

MOUNTAIN GOAT



Particular description of goods.—Fresh Deciduous Fruits.

Claims use since June 15, 1921.

Ser. No. 154,433. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KAEHLAS D. CHOWDHURY, Chicago, Ill. Filed Oct. 22, 1921.

BOKUL

Particular description of goods.—Perfumes, Toilet Waters, and Sachets.

Claims use since December, 1920.

Ser. No. 154,436. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DUPIUS CHEMICAL COMPANY, Los Angeles, Calif. Filed Oct. 22, 1921.

GOPHER-GIT-ER

Particular description of goods.—Machine-Poisoned Raisins.

Claims use since July 1, 1921.

Ser. No. 154,467. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. RUSSELL WHITE, Greenridge, N. Y. Filed Oct. 22, 1921.

MILETABS

Particular description of goods.—Substances Soluble in Liquid Hydrocarbon to Modify Its Action as Motor Fuel.

Claims use since Oct. 1, 1921.

Ser. No. 154,500. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed Oct. 24, 1921.

Benzoform

Particular description of goods.—Dyes and Dyestuffs.

Claims use since about June 14, 1912.

Ser. No. 154,503. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed Oct. 24, 1921.

Emeraldole

Particular description of goods.—Dyes and Dyestuffs.

Claims use since about Aug. 16, 1905.

Ser. No. 154,507. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed Oct. 24, 1921.

Geranole

Particular description of goods.—Dyes and Dyestuffs.

Claims use since about June 17, 1912.

Ser. No. 154,517. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE IN-CRE-SO COMPANY, Kansas City, Mo. Filed Oct. 24, 1921.

In-Cre-So

Particular description of goods.—Stimulant to Increase the Egg Production of Laying Hens.

Claims use since about July 15, 1921.

Ser. No. 154,538. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SWAN & MYERS Co., Indianapolis, Ind. Filed Oct. 24, 1921.

BENZEDO

Particular description of goods.—Medicinal Preparations of Calcium Ortho-Benzyl-Oxy-Benzoate.

Claims use since Aug. 9, 1921.

Ser. No. 154,585. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EMERSON PHARMACEUTICAL LABORATORIES, West Hoboken, N. J. Filed Oct. 26, 1921.

LAST-KICK

Particular description of goods.—Insect Fluid.

Claims use since May 1, 1921.

Ser. No. 154,616. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PLOUGH CHEMICAL COMPANY, A CORPORATION, Memphis, Tenn. Filed Oct. 26, 1921.



Particular description of goods.—A Toilet Preparation—viz., a Face Bleach.

Claims use since Apr. 1, 1921.

Ser. No. 154,629. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Oct. 26, 1921.

CHAULMESTROL

Consisting of the word "Chaulmestrol."

Particular description of goods.—Ethyl Esters of Chaulmoogra Oil.

Claims use since Sept. 29, 1921.

Ser. No. 154,630. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM R. WARNER & CO. INC., Wilmington, Del.; New York, N. Y., and St. Louis, Mo. Filed Oct. 26, 1921.

Acetaphen

Particular description of goods.—A Medicine in Tablet Form Containing Two Grains of Acetphenetidin, Three Grains of Acetylsalicylic Acid, and One-Half Grain of Caffeine.

Claims use since Oct. 12, 1921.

Ser. No. 154,639. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) B. EDMUND DAVID INC., New York, N. Y. Filed Oct. 27, 1921.

David Silks

No claim being made for the word "Silk" apart from the mark shown, the name "David" shown being a facsimile of Benjamin Edmund David's signature.

Particular description of goods.—Broad Silks and Dress Satins in the Piece, Crêpe and Silk Shirtings Piece Goods.

Claims use since January, 1916.

Ser. No. 154,640. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ERWIN COTTON MILLS Co., West Durham, N. C. Filed Oct. 27, 1921.



Particular description of goods.—Canton Flannels, Tickings, Covert Cloths, Sheetings, and Drills, All in the Piece.

Claims use since Jan. 15, 1908.

Ser. No. 154,653. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KRUGER DRUG CO., Brooklyn, N. Y. Filed Oct. 27, 1921.

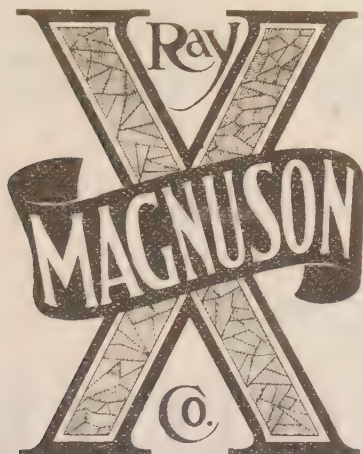
A-C-T's

Consisting of the symbol "A-C-T's."

Particular description of goods.—Medicinal Preparation for the Treatment of the Stomach, Liver, and Bowels.

Claims use since about August, 1914.

Ser. No. 154,699. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
MAGNUSON X-RAY COMPANY, Omaha, Nebr. Filed Oct. 28, 1921



Particular description of goods.—Barium Sulphate.
Claims use since June 30, 1917.

Ser. No. 154,866. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
DOVAN CHEMICAL CORPORATION, Wilmington, Del., and Newark, N. J. Filed Nov. 1, 1921.



Particular description of goods.—An Accelerator for Vulcanization of Rubber.
Claims use since Aug. 10, 1920.

Ser. No. 154,882. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
MC CARTHY BROTHERS, San Francisco, Calif. Filed Nov. 1, 1921.

EVER RISE

Particular description of goods.—Baking Powder.
Claims use since Sept. 1, 1921.

295 O. G.—14

Ser. No. 154,907. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.)
VICTORY RING COMPANY, INC., Charleston, W. Va., and El Paso, Tex. Filed Nov. 1, 1921.

VIRICO

Particular description of goods.—Piston Packing Rings.
Claims use since Sept. 15, 1921.

Ser. No. 154,920. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) DYKOR BROTHERS, INC., New York, N. Y. Filed Nov. 2, 1921.

VANASTEN

Consisting of the word "Vanasten."
Particular description of goods.—Carbon-Steel High-Speed or Alloyed Tool Steel.
Claims use since June 29, 1921.

Ser. No. 154,952. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
ASENSIN COMPANY OF AMERICA, New York, N. Y. Filed Nov. 3, 1921.

ASENSIN

Particular description of goods.—Local Anæsthetic.
Claims use since Aug. 8, 1921.

Ser. No. 154,953. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
ASENSIN COMPANY OF AMERICA, New York, N. Y. Filed Nov. 3, 1921.

NOVO-ASENSIN

Particular description of goods.—Local Anæsthetic.
Claims use since Aug. 8, 1921.

Ser. No. 154,985. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
WILLIAM M. MITCHELL, Louisville, Ky. Filed Nov. 3, 1921.

OXAGINE

Particular description of goods.—Inhaling Compound for the Protection of Firemen and others.
Claims use since Jan. 1, 1916.

Ser. No. 155,100. (CLASS 45. BEVERAGES, NONALCOHOLIC.) KLEE & COLEMAN, INC., Indianapolis, Ind. Filed Oct. 14, 1921.

K&C Klee

Particular description of goods.—Soda Water, Extracts, and other Nonalcoholic, Maltless Beverages.
Claims use since January, 1917.

Ser. No. 155,134. (CLASS 12. CONSTRUCTION MATERIALS.) ANDERSON-TULLY COMPANY, Memphis, Tenn. Filed Nov. 8, 1921.



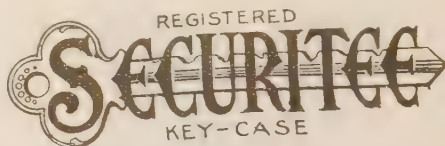
Particular description of goods.—Lumber.
Claims use since about Jan. 15, 1921.

Ser. No. 155,190. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) R. V. G. COMPANY, Inc., Brooklyn, N. Y. Filed Nov. 8, 1921.



Particular description of goods.—Flash Lights and Batteries.
Claims use since April, 1915.

Ser. No. 155,199. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) SECURITY KEY CASE MFG. CO., New York, N. Y. Filed Nov. 8, 1921.



No claim is made to the words "Registered Key-Case" apart from the mark shown on the drawing.

Particular description of goods.—Key Cases.

Claims use since June 1, 1921.

Ser. No. 155,257. (CLASS 9. EXPLOSIVES, FIRE-ARMS, EQUIPMENTS, AND PROJECTILES.) E. I. DU PONT DE NEMOURS & COMPANY, Wilmington, Del. Filed Nov. 10, 1921.

DUROX

Particular description of goods.—Dynamite.
Claims use since Oct. 5, 1921.

Ser. No. 155,261. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FRANK HITCHCOCK, Cleveland, Ohio. Filed Nov. 10, 1921.



Particular description of goods.—Electric Signal Lamps for Automobiles.

Claims use since on or about Aug. 1, 1921.

Ser. No. 155,266. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LANETT COTTON MILLS, Lanett, Ala. Filed Nov. 10, 1921.



**LANETT
MOUNTAIN**

Comprising a fanciful representation of a mountain, and the title thereof consisting of the words "Lanett Mountain."

Particular description of goods.—Sheeting.

Claims use since August, 1921.

Ser. No. 155,341. (CLASS 38. PRINTS AND PUBLICATIONS.) WILLIAM EHRLMAN, New York, N. Y. Filed Nov. 14, 1921.

THE EYE

Published monthly in the interest of better vision

Applicant disclaims the words "Published Monthly in the Interest of Better Vision" apart from the mark as shown.

Particular description of goods.—Periodicals Published Monthly and at other Intervals.

Claims use since Oct. 11, 1921.

Ser. No. 155,451. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Nov. 16, 1921

UV-200

Particular description of goods.—Vacuum Tubes and Valves.

Claims use since about Oct. 19, 1920.

Ser. No. 155,452. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Nov. 16, 1921.

UV-201

Particular description of goods.—Vacuum Tubes and Valves.

Claims use since about Oct. 19, 1920.

Ser. No. 155,453. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Nov. 16, 1921

UV-202

Particular description of goods.—Vacuum Tubes and Valves.

Claims use since about Feb. 8, 1921.

Ser. No. 155,454. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Nov. 16, 1921.

UV-203

Particular description of goods.—Vacuum Tubes and Valves.

Claims use since about Mar. 23, 1921.

Ser. No. 155,528. (CLASS 17. TOBACCO PRODUCTS.) THE WEIDEMAN COMPANY, Cleveland, Ohio. Filed Nov. 17, 1921.

31

Particular description of goods.—Cigars, Cigarettes, Smoking, Chewing, and Plug Tobacco.

Claims use since Aug. 2, 1915.

Ser. No. 155,571. (CLASS 15. OILS AND GREASES.) THE POWER-OIL CO. LTD., St. Louis, Mo. Filed Nov. 18, 1921.

MOTORTONE

Particular description of goods.—Lubricating Oil.

Claims use since Oct. 1, 1920.

Ser. No. 155,577. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) UNITED METAL BOX CO., New York, N. Y. Filed Nov. 18, 1921.



Particular description of goods.—Switch Boxes, Motor Inclosures, and Safety Switches.

Claims use since Sept. 15, 1921.

Ser. No. 155,627. (CLASS 12. CONSTRUCTION MATERIALS.) MIDWEST STEEL & SUPPLY COMPANY, INC., New York, N. Y. Filed Nov. 19, 1921.

YR-WOVE WOOD LATH

No claim is made to the exclusive use of the term "Wood Lath" apart from the mark shown.

Particular description of goods.—Laths.

Claims use since October, 1921.

Ser. No. 155,645. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SECURITY MANUFACTURING COMPANY, Brooklyn, N. Y. Filed Nov. 19, 1921.

SECURITY

Particular description of goods.—Electrical Ignition Coils and Electrical Condensers.

Claims use since on or about June 8, 1921.

Ser. No. 155,686. (CLASS 7. CORDAGE.) THE HOOVEN & ALLISON COMPANY, Xenia, Ohio. Filed Nov. 21, 1921.

ECONOMEX

Particular description of goods.—Fiber Ropes and Twines.

Claims use since Apr. 21, 1921.

Ser. No. 155,687. (CLASS 7. CORDAGE.) THE HOOVEN & ALLISON COMPANY, Xenia, Ohio. Filed Nov. 21, 1921.

TENEX

Particular description of goods.—Fiber Ropes and Twines.

Claims use since Dec. 24, 1919.

Ser. No. 155,688. (CLASS 7. CORDAGE.) THE HOOVEN & ALLISON COMPANY, Xenia, Ohio. Filed Nov. 21, 1921.

DURABEX

Particular description of goods.—Fiber Ropes and Twines.

Claims use since Apr. 20, 1921.

Ser. No. 155,793. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WOLLO IGNITION PRODUCTS Co., St. Louis, Mo. Filed Nov. 22, 1921.

WOLLO

Particular description of goods.—Gasoline-Engine Spark Plugs.

Claims use since Nov. 12, 1921.

Ser. No. 155,807. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) W. L. M. CLARK, INCORPORATED, St. Louis, Mo. Filed Nov. 23, 1921.

ALADDIN RUB-IT

Applicant disclaims the exclusive right to the use of the words "Rub It" apart from the mark as shown.

Particular description of goods.—Embroidery Patterns and the Like—Namely, Paper Patterns That are Adapted to be Transferred to the Goods by Rubbing.

Claims use since Oct. 1, 1921.

Ser. No. 156,136. (CLASS 7. CORDAGE.) THE AMERICAN STEEL & WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio. Filed Dec. 1, 1921.



Particular description of goods.—Wire Rope and Cables of Every Form and for All Uses, and Aeroplane Cables.

Claims use since Oct. 1, 1899.

Ser. No. 156,138. (CLASS 12. CONSTRUCTION MATERIALS.) THE AMERICAN STEEL & WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio. Filed Dec. 1, 1921.



Particular description of goods.—Aerial Tramway Towers and Wire, and Wire Mesh for Concrete Reinforcement.

Claims use since Oct. 1, 1899.

Ser. No. 156,139. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE AMERICAN STEEL & WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio. Filed Dec. 1, 1921.



Particular description of goods.—Electrical Wires, Covered or Uncovered, for All Conducting Purposes, and Rail Bonds for Electrical Connection of Railway Rails.

Claims use since Oct. 1, 1899.

Ser. No. 156,159. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FRANCES M. HASKINS, New York, N. Y. Filed Dec. 1, 1921.



Picture shown represents applicant's child. No claim is made to the representation of a swing.

Particular description of goods.—Baby Exercisers.

Claims use since Sept. 1, 1921.

Ser. No. 156,164. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN H. MURRAY, Boston, Mass. Filed Dec. 1, 1921.



No claim being made to the word "Boston" apart from the mark shown in the drawing.

Particular description of goods.—Candles, Fancy Ices, and Cakes.

Claims use since Jan. 1, 1920.

Ser. No. 156,180. (CLASS 7. CORDAGE.) SAMSON CORDAGE WORKS, Boston, Mass. Filed Dec. 1, 1921.



Particular description of goods.—Cord and Twine.

Claims use since Mar. 27, 1918.

Ser. No. 156,211. (CLASS 5. ADHESIVES.) FRANK A. BOYER, Philadelphia, Pa. Filed Dec. 3, 1921.

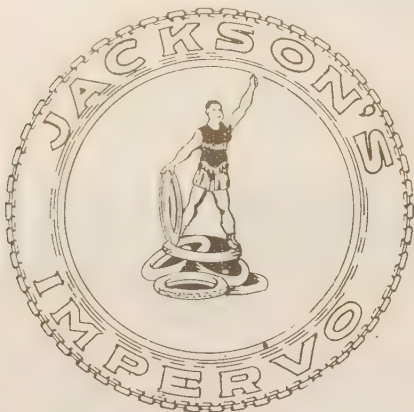
PAIST'S



Particular description of goods.—Glue.

Claims use since 1900.

Ser. No. 156,225. (CLASS 5. ADHESIVES.) JACKSON LABORATORIES, Indianapolis, Ind. Filed Dec. 3, 1921.



Particular description of goods.—Puncture-Sealing Composition and Preservative for Pneumatic Tires.
Claims use since May 1, 1920.

Ser. No. 156,263. (CLASS 2. RECEPTACLES.) CHICAGO GRANITINE MANUFACTURING COMPANY, Chicago, Ill. Filed Dec. 5, 1921.

-HERCULES-

Particular description of goods.—Garbage and Ash Receptacles.
Claims use since Sept. 15, 1921.

Ser. No. 156,268. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE EGRY REGISTER COMPANY, Dayton, Ohio. Filed Dec. 5, 1921.

AUDITOR

Consists of the word "Auditor."

Particular description of goods.—Cabinets for Registers.
Claims use since May, 1906.

Ser. No. 156,294. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) LOUIS E. POLHEMUS, Miami, Ariz. Filed Dec. 5, 1921.



Particular description of goods.—Miners' Lamps and Burners Therefor.
Claims use since Aug. 31, 1920.

Ser. No. 156,359. (CLASS 12. CONSTRUCTION MATERIALS.) COMPOLOID PRODUCTS CORPORATION, Wilkes-Barre and Dorranceton, Pa. Filed Dec. 7, 1921.



Particular description of goods.—Composition Flooring and Magnesite Stucco.

Claims use since Apr. 15, 1914.

Ser. No. 156,380. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GILL STORAGE BATTERY CO., INC., San Bernardino, Calif. Filed Dec. 7, 1921.



Particular description of goods.—Storage Batteries.
Claims use since July 16, 1921.

Ser. No. 156,533. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) J. H. JACKSON COMPANY, INC., New York, N. Y. Filed Dec. 10, 1921.



Particular description of goods.—Leather.
Claims use since Nov. 7, 1919.

Ser. No. 156,632. (CLASS 43. THREAD AND YARN.)
IRISH LINEN SOCIETY, Belfast, Ireland. Filed Dec. 13,
1921.



Particular description of goods.—Green Linen Yarn and Boiled Linen Yarn.

Claims use since Apr. 11, 1921.

Ser. No. 156,658. (CLASS 32. FURNITURE AND UP-
HOLSTERY.) RONEO LIMITED, London, England. Filed
Dec. 13, 1921.

CABRO

Particular description of goods.—Filing Cabinets, Being Office Furniture.

Claims use since Apr. 20, 1921.

Ser. No. 156,705. (CLASS 29. BROOMS, BRUSHES,
AND DUSTERS.) W. L. MARTIN BROOM & MOP CO.,
Louisville, Ky. Filed Dec. 14, 1921.

DIXIE

Particular description of goods.—Brooms.
Claims use since 1915.

Ser. No. 156,706. (CLASS 29. BROOMS, BRUSHES,
AND DUSTERS.) W. L. MARTIN BROOM & MOP CO.,
Louisville, Ky. Filed Dec. 14, 1921.

SHAWNEE

Particular description of goods.—Brooms.
Claims use since 1915.

Ser. No. 156,707. (CLASS 29. BROOMS, BRUSHES,
AND DUSTERS.) W. L. MARTIN BROOM & MOP CO.,
Louisville, Ky. Filed Dec. 14, 1921.

LITTLE INDIAN

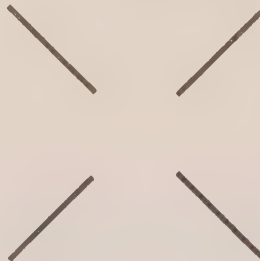
Particular description of goods.—Brooms.
Claims use since 1915.

Ser. No. 157,003. (CLASS 2. RECEPTACLES.) THE
PORCIRON MFG. CO., Royersford, Pa. Filed Dec. 21,
1921.

PORCIRON

Particular description of goods.—Metal Flower Pots.
Claims use since about Oct. 1, 1921.

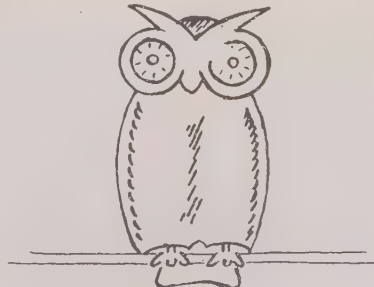
Ser. No. 157,010. (CLASS 19. VEHICLES, NOT IN-
CLUDING ENGINES.) THE TORRINGTON COMPANY,
Torrington, Conn. Filed Dec. 21, 1921.



Particular description of goods.—Spokes and Nipples for Vehicle Wheels.

Claims use since on or about Dec. 1, 1921.

Ser. No. 157,089. (CLASS 2. RECEPTACLES.) AITCHI-
SON & COMPANY, New York, N. Y. Filed Dec. 24, 1921.



Particular description of goods.—Cases, Boxes, Con-
tainers for Eyeglasses, Spectacles, Opera Glasses, Field
Glasses, Lenses, Compasses, Thermometers, Barometers,
Cameras, and Telescopes.

Claims use since September, 1914.

Ser. No. 157,406. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
THE BAYER COMPANY, INC., New York, N. Y. Filed Jan. 3, 1922.

**B
A
BAYER
E
R**

Particular description of goods.—Preparations of Medicines for Pains and Aches of Nervous or Organic Origin and for Rheumatic, Neuralgic, and Gouty Conditions; Absorbefacients, Alteratives; Analgesics, Local and Internal; Anodynes; Antineuralgics, Local and Internal; Antirheumatics, Local and Internal; Antiarthritics, Antipyretics; Antiseptics, Local and Internal; Antigonorrheics, Antileprics, Antispasmodics, Antituberculous, Antimalarial, Antidiarrheal, Antisymphilitics; Astringents, Local and Internal; Local Anæsthetics, Cicatrizants, Diuretics, Digestants, Diaphoretics, Expectorants, Hematinics; Hemostatics, Hyponotics, Purgatives, Sedatives, and General Tonics.

Claims use since Jan. 2, 1895.

Ser. No. 157,537. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
JOHN C. RAVEN, Astoria, N. Y. Filed Jan. 5, 1922.



Particular description of goods.—Mixture for the Treatment of Pneumonia, Influenza, Bronchitis, Asthma, Diphtheria, Coughs, Colds, and Sore Throat.

Claims use since Dec. 1, 1921.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

FEBRUARY 7, 1922.

- 151,415. BATTERY CONTAINERS. AMBELL BATTERY CONTAINER CORPORATION, Chicago, Ill.
Filed August 31, 1921. Serial No. 152,406. PUBLISHED NOVEMBER 1, 1921.
- 151,416. POTASH SALT OF THE CYAN-MERCURY-SALICYLIC ACID. J. D. RIEDEL AKTIENGESellschaft, Berlin-Britz, Germany.
Filed June 2, 1921. Serial No. 148,551. PUBLISHED OCTOBER 4, 1921.
- 151,417. ELECTRICAL CONTROLLING DEVICES OF THE CARBON-PILE RHEOSTAT TYPE. ALLEN-BRADLEY COMPANY, Milwaukee, Wis.
Filed May 23, 1921. Serial No. 148,048. PUBLISHED NOVEMBER 1, 1921.
- 151,418. BUSHINGS AND BEARINGS. AMERICAN BRONZE CORPORATION, Berwyn, Pa.
Filed May 4, 1921. Serial No. 147,178. PUBLISHED OCTOBER 25, 1921.
- 151,419. TOOTH WASH. FRED W. AMES, New Orleans, La.
Filed April 9, 1921. Serial No. 145,930. PUBLISHED SEPTEMBER 20, 1921.
- 151,420. ELECTRIC HEATING UNITS FOR CERTAIN NAMED DEVICES. PHILIP F. APFEL, Seattle, Wash.
Filed February 14, 1921. Serial No. 143,530. PUBLISHED OCTOBER 4, 1921.
- 151,421. LAXATIVE TABLETS. A. AREND DRUG CO., Chicago, Ill.
Filed April 18, 1921. Serial No. 146,287. PUBLISHED SEPTEMBER 20, 1921.
- 151,422. HAIR RESTORATIVE. ARMSTRONG CHEMICAL COMPANY, Washington, D. C.
Filed July 11, 1921. Serial No. 150,212. PUBLISHED OCTOBER 18, 1921.
- 151,423. MEDICINAL PREPARATION FOR HAY FEVER. JOSEPH A. ARNOLD, Providence, R. I.
Filed January 26, 1921. Serial No. 142,771. PUBLISHED OCTOBER 18, 1921.
- 151,424. FLUID-COMPRESSOR OUTFITS, WRENCHES, VALVE LIFTERS, PLIERS, AND CONNECTING RODS FOR INTERNAL-COMBUSTION ENGINES. THE AU-TO COMPRESSOR CO., Wilmington, Ohio.
Filed April 12, 1921. Serial No. 146,061. PUBLISHED OCTOBER 25, 1921.
- 151,425. CUTTING TOOLS FOR METAL-WORKING MACHINES. THE BAKER-WAECHTER COMPANY, Cleveland, Ohio.
Filed May 12, 1920. Serial No. 132,344. PUBLISHED OCTOBER 25, 1921.
- 151,426. HARD AND SOFT CANDIES, BONBONS, CHOCOLATES, AND MARSHMALLOWS. CHRIST BARUXES, Newark, Ohio.
Filed June 6, 1921. Serial No. 148,702. PUBLISHED NOVEMBER 1, 1921.
- 151,427. PRINTERS' INK VARNISH. EMIL B. BECARD, St. Louis, Mo.
Filed January 17, 1921. Serial No. 142,317. PUBLISHED OCTOBER 18, 1921.
- 151,428. AN INTESTINAL DISINFECTANT. HARRY THOMAS ALFRED BECKER, London, England.
Filed May 4, 1921. Serial No. 147,185. PUBLISHED OCTOBER 18, 1921.
- 151,429. CHURNS AND CERTAIN NAMED DAIRY MACHINERY. BESSIRE & COMPANY, Indianapolis, Ind., and Louisville, Ky.
Filed September 22, 1919. Serial No. 122,961. PUBLISHED AUGUST 24, 1920.
- 151,430. STEEL RAILS. BETHLEHEM STEEL COMPANY, Bethlehem, Pa.
Filed May 24, 1921. Serial No. 148,120. PUBLISHED OCTOBER 25, 1921.
- 151,431. ELECTRIC MOTORS. BIRTMAN ELECTRIC COMPANY, Chicago, Ill.
Filed August 26, 1921. Serial No. 152,199. PUBLISHED NOVEMBER 1, 1921.
- 151,432. HAIR-TONIC. JOSEPH H. BISHOP, Baltimore, Md.
Filed July 11, 1921. Serial No. 150,213. PUBLISHED OCTOBER 18, 1921.
- 151,433. CERTAIN NAMED MEDICINES AND PHARMACEUTICAL PREPARATIONS. BOERICKE & RUNYON CO., San Francisco and Oakland, Calif.
Filed September 24, 1920. Serial No. 137,564. PUBLISHED SEPTEMBER 20, 1921.
- 151,434. A MEDICINE FOR USE AS A BLOOD PURIFIER. SAMUEL M. BOOTH, Billings, Mont.
Filed July 13, 1921. Serial No. 150,307. PUBLISHED OCTOBER 18, 1921.
- 151,435. CERTAIN MACHINERY AND TOOLS. O. A. BREMER CO., Burlington, Iowa.
Filed May 8, 1920. Serial No. 132,162. PUBLISHED OCTOBER 25, 1921.
- 151,436. TOOTH PASTE. ALFRED B. BRILL, Stratford, Conn.
Filed May 5, 1921. Serial No. 147,228. PUBLISHED SEPTEMBER 20, 1921.
- 151,437. ELECTRIC-LAMP SOCKETS AND SWITCHES AND PARTS THEREOF. THE BRYANT ELECTRIC COMPANY, Bridgeport, Conn.
Filed June 20, 1921. Serial No. 149,379. PUBLISHED OCTOBER 4, 1921.
- 151,438. ELECTRIC HIGHWAY-CROSSING SIGNALS. BRYANT ZINC COMPANY, Chicago, Ill.
Filed March 28, 1921. Serial No. 146,865. PUBLISHED OCTOBER 4, 1921.
- 151,439. CERTAIN CUTLERY AND EDGE TOOLS. W. & S. BUTCHER LIMITED, Sheffield, England.
Filed July 19, 1920. Serial No. 135,128. PUBLISHED OCTOBER 25, 1921.
- 151,440. LAXATIVE ASPIRIN TABLETS FOR HEAD-ACHES, COLDS, LA GRIPPE, RHEUMATISM, AND SIMILAR AFFECTIONS. BUTLER & COSGRAVE, San Angelo, Tex.
Filed March 17, 1921. Serial No. 144,845. PUBLISHED SEPTEMBER 20, 1921.
- 151,441. ELECTRIC-LIGHTING FIXTURES, ELECTRIC SADRONS, AND ELECTRIC BATTERIES. ROBERT J. BYINGTON, San Francisco, Calif.
Filed May 7, 1921. Serial No. 147,338. PUBLISHED OCTOBER 4, 1921.
- 151,442. CANNED FRUITS AND VEGETABLES. CALIFORNIA GROWERS ASSOCIATION, Inc., Los Angeles, Calif.
Filed May 9, 1921. Serial No. 147,405. PUBLISHED NOVEMBER 1, 1921.
- 151,443. WATCHES AND CLOCKS. CARTIER, Inc., New York, N. Y.
Filed March 19, 1921. Serial No. 144,962. PUBLISHED OCTOBER 18, 1921.

151,444. PERFUMES, SACHETS, TALCUM POWDER, FACE POWDER, COLD CREAM, ROUGE, BRILLIANTINE, AND TOILET WATER. CHERAMY, Inc., New York, N. Y.

Filed July 11, 1921. Serial No. 150,215. PUBLISHED OCTOBER 18, 1921.

151,445. PERFUMES, SACHETS, TALCUM POWDER, FACE POWDER, COLD CREAM, ROUGE, BRILLIANTINE, AND TOILET WATER. CHERAMY, Inc., New York, N. Y.

Filed July 11, 1921. Serial No. 150,216. PUBLISHED OCTOBER 18 1921.

151,446. PERFUMES, SACHETS, TALCUM POWDER, FACE POWDER, COLD CREAM, ROUGE, BRILLIANTINE, AND TOILET WATER. CHERAMY, Inc., New York, N. Y.

Filed July 11, 1921. Serial No. 150,218. PUBLISHED OCTOBER 18, 1921.

151,447. PERFUMES, SACHETS, TALCUM POWDER, FACE POWDER, COLD CREAM, ROUGE, BRILLIANTINE, AND TOILET WATER. CHERAMY, Inc., New York, N. Y.

Filed July 11, 1921. Serial No. 150,220. PUBLISHED OCTOBER 18, 1921.

151,448. PNEUMATIC CHIPPING AND RIVETING HAMMERS AND DRILLS AND REPAIR PARTS THEREOF. CHICAGO PNEUMATIC TOOL COMPANY, New York, N. Y.

Filed April 22, 1921. Serial No. 146,529. PUBLISHED OCTOBER 25, 1921.

151,449. COFFEE MAKERS AND COFFEE PERCOLATORS. THE CITIZENS' WHOLESALE SUPPLY COMPANY, Columbus, Ohio.

Filed February 7, 1921. Serial No. 143,257. PUBLISHED OCTOBER 4, 1921.

151,450. SPARK PLUGS FOR INTERNAL-COMBUSTION ENGINES. THE CLOUD ACCESSORIES CORPORATION, Chicago, Ill.

Filed July 17, 1920. Serial No. 135,098. PUBLISHED OCTOBER 11, 1921.

151,451. SPARK PLUGS FOR INTERNAL-COMBUSTION ENGINES. THE CLOUD ACCESSORIES CORPORATION, Chicago, Ill.

Filed July 17, 1920. Serial No. 135,099. PUBLISHED OCTOBER 4, 1921.

151,452. AUTOMOBILE ACCESSORIES, PARTICULARLY SPARK PLUGS. THE CLOUD ACCESSORIES CORPORATION, Chicago, Ill.

Filed July 29, 1920. Serial No. 135,681. PUBLISHED OCTOBER 4, 1921.

151,453. SANITATION-PROCESS AND ORGANIC-WASTE-REDUCTION SYSTEMS AND PARTS THEREOF. CORWELL CORPORATION, Cleveland, Ohio.

Filed June 6, 1921. Serial No. 148,716. PUBLISHED OCTOBER 25, 1921.

151,454. OXIDE OF ANTIMONY AND PIGMENTS MADE THEREFROM HAVING A COMBINATION OF USES. COOKSON & COMPANY LIMITED, Newcastle-upon-Tyne, England.

Filed May 12, 1921. Serial No. 147,597. PUBLISHED OCTOBER 18, 1921.

151,455. SHREDDED SOAP. THE CUDAHY PACKING COMPANY, Chicago, Ill.

Filed June 7, 1921. Serial No. 148,794. PUBLISHED AUGUST 23, 1921.

151,456. STOCK GESTATION COMPOUND. HARRY H. CULLINAN, Flats, Nebr.

Filed March 2, 1921. Serial No. 144,222. PUBLISHED SEPTEMBER 20, 1921.

151,457. ELECTRIC LAMPS, ELECTRIC STARTING AND IGNITION DEVICES FOR GAS ENGINES, AND ELECTRIC CIGAR LIGHTERS. THE CUNO ENGINEERING CORPORATION, Meriden, Conn.

Filed April 14, 1921. Serial No. 146,166. PUBLISHED OCTOBER 4, 1921.

151,458. DANDRUFF REMEDY. T. & T. DANDRUFF REMEDY COMPANY, East St. Louis, Ill.

Filed May 16, 1921. Serial No. 147,807. PUBLISHED SEPTEMBER 27, 1921.

151,459. CERTAIN METAL CUTTING AND FORMING SMALL TOOLS. DARWIN & MILNER, Inc., New York, N. Y.

Filed May 13, 1919. Serial No. 118,434. PUBLISHED OCTOBER 25, 1921.

151,460. ELECTRIC AUTOMATIC FIRE DETECTORS. DAVID G. DEE, Chicago, Ill.

Filed December 17, 1920. Serial No. 141,215. PUBLISHED OCTOBER 4, 1921.

151,461. CERTAIN NAMED MOLDED ELECTRICAL INSULATORS AND INSULATING APPLIANCES AND FITTINGS. THOMAS DE LA RUE AND COMPANY, LIMITED, London, England.

Filed December 10, 1920. Serial No. 140,879. PUBLISHED OCTOBER 4, 1921.

151,462. A MEDICAL COMPOUND FOR THE TREATMENT OF CONSUMPTION. DANIEL DE LEARY, Detroit, Mich.

Filed June 4, 1921. Serial No. 148,649. PUBLISHED OCTOBER 18, 1921.

151,463. FACE POWDERS. FRANCOIS JOSEPH DE SPOTURNO COTY, Suresnes, France.

Filed October 27, 1920. Serial No. 138,842. PUBLISHED OCTOBER 4, 1921.

151,464. SPARK PLUGS. GEORGE T. DOCHTERMANN, Passaic, N. J.

Filed June 18, 1921. Serial No. 149,321. PUBLISHED OCTOBER 18, 1921.

151,465. CERTAIN CUTLERY, MACHINES, AND TOOLS. JOHN DUNN, SON & Co., New York, N. Y.

Filed December 10, 1920. Serial No. 140,871. PUBLISHED NOVEMBER 1, 1921.

151,466. CERTAIN NAMED PREPARATIONS. DU PONT-YOUNG CORPORATION, Boston, Mass., and New York, N. Y.

Filed November 12, 1919. Serial No. 124,786. PUBLISHED SEPTEMBER 20, 1921.

151,467. CERTAIN NAMED ELECTRICAL DEVICES. ELECTRIC MANUFACTURING COMPANY, San Francisco, Calif.

Filed June 9, 1921. Serial No. 148,876. PUBLISHED NOVEMBER 1, 1921.

151,468. MEDICINAL PREPARATION FOR TREATMENT OF CERTAIN DISEASES. AUGUST ERLINGER, New York, N. Y.

Filed May 17, 1921. Serial No. 147,824. PUBLISHED SEPTEMBER 27, 1921.

151,469. INSECT POISON. THE EXCHANGE ORANGE PRODUCTS COMPANY, San Dimas, Calif.

Filed June 6, 1921. Serial No. 148,723. PUBLISHED OCTOBER 4, 1921.

151,470. CLOTH DYES. FAIRY DYE Co., Chicago, Ill.

Filed September 29, 1920. Serial No. 137,729. PUBLISHED SEPTEMBER 20, 1921.

151,471. OLIVE OIL. FANTIS & CUTSOGEOGE, New York, N. Y.

Filed July 23, 1921. Serial No. 150,857. PUBLISHED NOVEMBER 1, 1921.

151,472. FACE POWDERS, COLD CREAMS, MASSAGE CREAMS, VANISHING CREAMS, AND PERFUMES. FAR EAST PRODUCTS Co., Yonkers, N. Y.

Filed April 8, 1921. Serial No. 145,888. PUBLISHED SEPTEMBER 27, 1921.

151,473. ELECTRIC WELDERS AND PARTS THEREOF. THE FEDERAL MACHINE AND WELDER Co., Warren, Ohio.

Filed January 27, 1921. Serial No. 142,837. PUBLISHED OCTOBER 18, 1921.

151,474. MALLET'S MADE WHOLLY OR PARTLY OF RUBBER. THE FEDERAL RUBBER COMPANY, Cudahy, Wis.

Filed April 28, 1921. Serial No. 146,890. PUBLISHED AUGUST 2, 1921.

151,475. MALLET'S MADE WHOLLY OR PARTLY OF RUBBER. THE FEDERAL RUBBER COMPANY, Cudahy, Wis.

Filed April 28, 1921. Serial No. 146,897. PUBLISHED AUGUST 2, 1921.

151,476. MALLET'S MADE WHOLLY OR PARTLY OF RUBBER. THE FEDERAL RUBBER COMPANY, Cudahy, Wis.

Filed April 28, 1921. Serial No. 146,883. PUBLISHED AUGUST 2, 1921.

151,477. SALVES FOR SKIN ERUPTIONS AND SORES. WILLIAM J. FERRARA, Charleston, S. C.

Filed December 5, 1919. Serial No. 125,615. PUBLISHED SEPTEMBER 20, 1921.

151,478. ARSENIC COMPLEXION WAFERS. RICHARD FINK, Brooklyn, N. Y.

Filed June 21, 1921. Serial No. 149,448. PUBLISHED OCTOBER 18, 1921.

151,479. TYPEWRITER RIBBONS AND CARBON PAPER. CHAS. A. FOYER & COMPANY, Cleveland, Ohio.

Filed December 1, 1920. Serial No. 140,489. PUBLISHED OCTOBER 11, 1921.

151,480. HAIR TONICS. LOUIS B. FRANCHINA, Cleveland, Ohio.

Filed April 28, 1920. Serial No. 131,728. PUBLISHED OCTOBER 18, 1921.

151,481. CERTAIN NAMED TOILET PREPARATIONS. FRANCO-AMERICAN COLLEGE, INC., Mount Holly, N. J., and Philadelphia, Pa.

Filed September 19, 1919. Serial No. 122,887. PUBLISHED DECEMBER 21, 1920.

151,482. CERTAIN NAMED PRECIOUS METAL WARE. FRANKLIN SILVER PLATE COMPANY, Greenfield, Mass.

Filed April 25, 1921. Serial No. 146,702. PUBLISHED OCTOBER 11, 1921.

151,483. LAXATIVE PILLS. ADOLPH NELSON GAEBLER, St. Louis, Mo.

Filed June 3, 1921. Serial No. 148,590. PUBLISHED OCTOBER 4, 1921.

151,484. OILY EMULSION OF ARGENTI NITRAS. DR. FRANK GARAI, New York, N. Y.

Filed May 9, 1921. Serial No. 147,421. PUBLISHED SEPTEMBER 20, 1921.

151,485. A PREPARATION USED INTERNALLY FOR COUGHS, COLDS, AND HEADACHES. LEON GAWURIN, New York, N. Y.

Filed July 7, 1921. Serial No. 150,104. PUBLISHED OCTOBER 18, 1921.

151,486. DYESTUFFS. GEIGY COMPANY, INC., New York, N. Y.

Filed July 26, 1920. Serial No. 135,420. PUBLISHED JANUARY 25, 1921.

151,487. ASBESTOS INSULATED ELECTRIC WIRES. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.

Filed May 3, 1921. Serial No. 147,159. PUBLISHED NOVEMBER 1, 1921.

151,488. ELECTRIC-LIGHT FIXTURES. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.

Filed July 27, 1921. Serial No. 151,002. PUBLISHED NOVEMBER 1, 1921.

151,489. OUTLET BOXES AND FITTINGS. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.

Filed September 3, 1921. Serial No. 152,551. PUBLISHED NOVEMBER 1, 1921.

151,490. A SALVE OR OINTMENT FOR CERTAIN NAMED USES. GIBSON-SNOW CO., INC., Albany, N. Y.

Filed January 28, 1921. Serial No. 142,882. PUBLISHED SEPTEMBER 20, 1921.

151,491. TOILET PREPARATION—NAMESLY, FACE LOTION. EDWARD S. GIVENS, Kansas City, Mo.

Filed April 20, 1921. Serial No. 146,431. PUBLISHED OCTOBER 18, 1921.

151,492. TIMERS FOR ELECTRICAL IGNITION SYSTEM FOR HYDROCARBON ENGINES. GLADIATOR MANUFACTURING COMPANY, Auburn, Ind.

Filed August 15, 1921. Serial No. 151,792. PUBLISHED NOVEMBER 1, 1921.

151,493. ELECTRIC FANS AND HEATERS. GRAFF, WASHBOURNE & DUNN, New York, N. Y.

Filed July 26, 1921. Serial No. 150,963. PUBLISHED NOVEMBER 1, 1921.

151,494. A MEDICINAL PREPARATION FOR COLDS, LA GRIPPE, HEADACHES, AND INFLUENZA. LOUIS GREENGARD, St. Louis, Mo.

Filed June 1, 1921. Serial No. 148,492. PUBLISHED OCTOBER 18, 1921.

151,495. A PREPARATION FOR THE TREATMENT OF PYORRHEA. EDWARD F. GREER, Vandalia, Ill.

Filed June 8, 1921. Serial No. 148,836. PUBLISHED OCTOBER 4, 1921.

151,496. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. B. GUTTER & SONS, New York, N. Y.

Filed November 11, 1920. Serial No. 139,524. PUBLISHED OCTOBER 11, 1921.

151,497. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. B. GUTTER & SONS, New York, N. Y.

Filed November 11, 1920. Serial No. 139,526. PUBLISHED OCTOBER 11, 1921.

151,498. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. B. GUTTER & SONS, New York, N. Y.

Filed November 11, 1920. Serial No. 139,528. PUBLISHED OCTOBER 11, 1921.

151,499. PHOTOGRAPHIC DEVELOPING PAPERS. THE HALOID COMPANY, Rochester, N. Y.

Filed April 28, 1921. Serial No. 146,910. PUBLISHED OCTOBER 25, 1921.

151,500. A MEDICINAL PREPARATION FOR CERTAIN NAMED USES. VICTOR HALPER, New York, N. Y.

Filed November 6, 1920. Serial No. 139,270. PUBLISHED SEPTEMBER 20, 1921.

151,501. NAUTICAL SPEEDOMETERS, NAUTICAL LOGS, AND NAUTICAL DISTANCE RECORDERS. HAMILTON & HANSELL, INC., New York, N. Y.

Filed April 26, 1921. Serial No. 146,766. PUBLISHED OCTOBER 25, 1921.

151,502. A LIQUID REMEDY FOR BILIOUSNESS, COLDS, HEADACHES, CONSTIPATION, AND WEAK OR INACTIVE LIVER. W. L. HAND & COMPANY, Charlotte, N. C.

Filed June 4, 1919. Serial No. 119,194. PUBLISHED SEPTEMBER 23, 1919.

151,503. CARBON PAPER. EGON HASSINGER, Barcelona, Spain.

Filed May 27, 1921. Serial No. 148,333. PUBLISHED OCTOBER 18, 1921.

151,504. DRINKING WATER, GINGER ALE, ROOT BEER, AND SARSAPARILLA. HINCKLEY & SCHMITT, Chicago, Ill.

Filed May 14, 1920. Serial No. 132,436. PUBLISHED JANUARY 25, 1921.

151,505. OPTICAL LENSES. FREDERICK HOFFA, New York, N. Y.

Filed June 9, 1921. Serial No. 148,886. PUBLISHED OCTOBER 25, 1921.

151,506. INSECTICIDES. THE EDWARD C. HOFSTRA COMPANY, Tulsa, Okla.

Filed July 12, 1921. Serial No. 150,268. PUBLISHED OCTOBER 18, 1921.

151,507. LAUNDRY WASHING MACHINES. HOGAN-SPENCER-WHITLEY COMPANY, Erie, Pa.

Filed April 28, 1920. Serial No. 131,733. PUBLISHED MARCH 29, 1921.

151,508. ELECTRIC GENERATING PLANTS. HOME ELECTRIC LIGHTING COMPANY, East Orange, N. J.
Filed June 16, 1921. Serial No. 149,230½. PUBLISHED OCTOBER 4, 1921.

151,509. CERTAIN NAMED MEDICINAL AND PHARMACEUTICAL PREPARATIONS. HOUSEHOLD REMEDIES COMPANY, Birmingham, Ala.
Filed June 14, 1920. Serial No. 133,662. PUBLISHED OCTOBER 4, 1921.

151,510. CERTAIN NAMED TOOLS AND MACHINERY AND REPAIR PARTS THEREFOR. INGERSOLL-RAND COMPANY, Jersey City, N. J., and New York, N. Y.
Filed April 26, 1921. Serial No. 146,771. PUBLISHED AUGUST 2, 1921.

151,511. A LIQUID PRESERVATIVE COATING FOR AUTOMOBILE TIRES. LANGLEY INGRAHAM, Philadelphia, Pa.
Filed January 13, 1921. Serial No. 142,215. PUBLISHED SEPTEMBER 20, 1921.

151,512. DAIRY AND TABLE SALT AND COMMON, COARSE, AND FINE SALT. INTERNATIONAL SALT CO. OF NEW YORK, New York, N. Y.
Filed October 21, 1920. Serial No. 138,646. PUBLISHED OCTOBER 18, 1921.

151,513. CLOCKS. IROKESSE TRADING CORPORATION, New York, N. Y.
Filed April 21, 1921. Serial No. 146,487. PUBLISHED OCTOBER 18, 1921.

151,514. OIL-WELL PULLING MACHINERY. THE IRON KING MANUFACTURING COMPANY, Bradner, Ohio.
Filed May 21, 1921. Serial No. 148,026. PUBLISHED OCTOBER 25, 1921.

151,515. CERTAIN BAKERY MACHINERY. JABURG-MILLER CO., INC., New York, N. Y.
Filed March 19, 1920. Serial No. 129,932. PUBLISHED OCTOBER 25, 1921.

151,516. HAIR TONER. PAULINE H. JACKSON, Birmingham, Ala.
Filed July 5, 1921. Serial No. 150,014. PUBLISHED OCTOBER 18, 1921.

151,517. COMPOUND NUT BUTTER, APPLE BUTTER, CATSUP, AND HONEY. CHAS. A. JEAN, Anna, Ill.
Filed July 9, 1921. Serial No. 150,196. PUBLISHED NOVEMBER 1, 1921.

151,518. FACE CREAM. GEORGE S. JOHNSON, Detroit, Mich.
Filed November 23, 1920. Serial No. 140,040. PUBLISHED SEPTEMBER 27, 1921.

151,519. A PREPARATION FOR GONORRHOEA. TOMODA GOSHI KAISHA, Tokyo, Japan.
Filed February 3, 1919. Serial No. 115,591. PUBLISHED OCTOBER 18, 1921.

151,520. A POWDER USED AS AN INSECT DESTROYER. JULIUS KALISH INC., New York, N. Y.
Filed July 7, 1921. Serial No. 150,109. PUBLISHED OCTOBER 18, 1921.

151,521. CERTAIN NAMED TOILET PREPARATIONS. RENA P. KING, Shelby, Miss.
Filed January 11, 1921. Serial No. 142,083. PUBLISHED OCTOBER 18, 1921.

151,522. A PREPARATION FOR USE INTERNALLY IN THE TREATMENT OF CERTAIN NAMED AILMENTS. JOHN R. KIRKPATRICK, JR., Atlanta, Ga.
Filed May 6, 1921. Serial No. 147,296. PUBLISHED OCTOBER 18, 1921.

151,523. CARBON-REMOVING COMPOUND. THE KODYTE LABORATORIES, New York, N. Y.
Filed April 2, 1921. Serial No. 145,633. PUBLISHED OCTOBER 4, 1921.

151,524. ELECTRIC INCANDESCENT LAMPS AND THEIR PARTS. OSRAM G. M. B. H., KOMMANDITGESELLSCHAFT, Berlin, Germany.
Filed June 16, 1921. Serial No. 149,240. PUBLISHED OCTOBER 4, 1921.

151,525. CERTAIN NAMED CHEMICAL, MEDICINAL, AND PHARMACEUTICAL PREPARATIONS. KOLOMAN KOVACS, Duquesne, Pa.
Filed May 19, 1921. Serial No. 147,926. PUBLISHED SEPTEMBER 27, 1921.

151,526. FERRATED BITTER WINE TO BE USED AS A GENERAL TONIC. BOLESŁAW R. KOZŁOWSKI, Chicago, Ill.
Filed January 3, 1921. Serial No. 141,784. PUBLISHED SEPTEMBER 20, 1921.

151,527. METAL PRODUCTS CONSISTING OF FERROUS AND NONFERROUS CASTINGS. H. KRAMER & Co., Chicago, Ill.
Filed April 28, 1921. Serial No. 146,914. PUBLISHED OCTOBER 25, 1921.

151,528. POULTRY MEDICINAL POWDER. GUS LANKA, Los Angeles, Calif.
Filed January 11, 1921. Serial No. 142,084. PUBLISHED OCTOBER 18, 1921.

151,529. CANDY. BENJAMIN LEON, Camden, N. J.
Filed July 15, 1921. Serial No. 150,405. PUBLISHED OCTOBER 25, 1921.

151,530. BEAUTY CREAMS. MAX LEVINSTEIN, Brooklyn, N. Y.
Filed July 1, 1921. Serial No. 149,916. PUBLISHED OCTOBER 18, 1921.

151,531. FACE LOTION AND BEAUTIFIER. MARGARET JESSALYN LINDSEY, Muncie, Ind.
Filed June 18, 1921. Serial No. 149,336. PUBLISHED OCTOBER 4, 1921.

151,532. A LIQUID PREPARATION FOR THE ALLEVIATION OF RHEUMATISM. TONY LONG, Chicago, Ill.
Filed March 17, 1921. Serial No. 144,865. PUBLISHED SEPTEMBER 27, 1921.

151,533. PORTABLE ELECTRICALLY-DRIVEN TOOLS, ELECTRIC MOTORS, ELECTRIC GENERATORS, AND ELECTRICALLY-DRIVEN ICE-CREAM FREEZERS. LOUISVILLE ELECTRIC MANUFACTURING COMPANY, Louisville, Ky.
Filed July 11, 1921. Serial No. 150,242. PUBLISHED NOVEMBER 1, 1921.

151,534. LIVE AND DRESSED POULTRY. WILLIAM LUKERT, Moriches, N. Y.
Filed April 30, 1921. Serial No. 147,030. PUBLISHED NOVEMBER 1, 1921.

151,535. TIMEPIECES. THE LUMINITE COMPANY, New York, N. Y.
Filed July 1, 1921. Serial No. 149,914. PUBLISHED OCTOBER 18, 1921.

151,536. MEDICINE USED FOR CERTAIN NAMED AILMENTS. JAMES P. MCCALLUM, Jackson, Tenn.
Filed May 14, 1920. Serial No. 132,440. PUBLISHED OCTOBER 4, 1921.

151,537. CARBON PAPER. J. D. MCCARTHY CO., New York, N. Y.
Filed April 7, 1921. Serial No. 145,838. PUBLISHED OCTOBER 18, 1921.

151,538. CERTAIN NAMED PORTABLE ELECTRIC-LIGHTING FIXTURES. H. G. MCFADDIN & Co., New York, N. Y.
Filed July 23, 1921. Serial No. 150,875. PUBLISHED NOVEMBER 1, 1921.

151,539. MEDICINE FOR USE IN THE TREATMENT OF HEADACHES, RHEUMATIC AND NEURALGIC PAINS. J. L. MACKAY, Charleston, Tenn.
Filed June 7, 1921. Serial No. 148,808. PUBLISHED OCTOBER 18, 1921.

151,540. AN OINTMENT FOR THE TREATMENT OF SUNBURN, TAN, FRECKLES, PIMPLES, ETC. SOLOMON MAGLAND, Chicago, Ill.
Filed May 12, 1921. Serial No. 147,633. PUBLISHED SEPTEMBER 20, 1921.

151,541. HAEMOGLOBIN MEDICAL TABLETS. ERNEST F. MATTUTAT, New York, N. Y.
Filed March 5, 1921. Serial No. 144,341. PUBLISHED OCTOBER 18, 1921.

151,542. WATCHES, WATCH MOVEMENTS, AND WATCHCASES. M. A. MEAD & COMPANY, Chicago, Ill.
Filed February 23, 1921. Serial No. 143,939. PUBLISHED OCTOBER 18, 1921.

151,543. HAIR TONIC, DANDRUFF REMEDY. GEORGE F. MELCHIOR, Chicago, Ill.
Filed January 12, 1921. Serial No. 142,159. PUBLISHED OCTOBER 4, 1921.

151,544. A MEDICINAL DYE IN THE FORM OF POWDER, CRYSTALS, TABLETS, AND PENCILS. MERCK & CO., New York, N. Y.
Filed April 8, 1921. Serial No. 145,905. PUBLISHED OCTOBER 18, 1921.

151,545. UNITARY ELECTRIC-LIGHTING PLANTS. S. W. MERRITT & Co., New York, N. Y.
Filed March 8, 1920. Serial No. 129,396. PUBLISHED OCTOBER 11, 1921.

151,546. ELECTRIC PARKING LAMPS FOR AUTOMOBILES. THE METAL SPINNING & PLATING CO., Baltimore, Md., assignor to Lyon Manufacturing Company, Inc., Baltimore, Md., a Corporation of Maryland.
Filed April 9, 1921. Serial No. 145,955. PUBLISHED OCTOBER 4, 1921.

151,547. WATCHES, CLOCKS, AND PARTS THEREOF. MEYER & STÜDELI, SOCIETE ANONYME, Soleure, Switzerland.
Filed January 10, 1921. Serial No. 142,024. PUBLISHED OCTOBER 11, 1921.

151,548. CERTAIN NAMED VETERINARY PREPARATIONS. W. H. MICHAND, Beaverton, Mich.
Filed June 2, 1921. Serial No. 148,545. PUBLISHED OCTOBER 18, 1921.

151,549. AN ANTISEPTIC AND ECZEMA PREPARATION. JOHN MILLER, Mobile, Ala.
Filed June 30, 1920. Serial No. 134,422. PUBLISHED OCTOBER 18, 1921.

151,550. A COMPOUND FOR TREATING CORNS, CALLOUSES, WARTS, AND BUNIONS. JOHN C. MILLIGAN, Louisville, Ky.
Filed July 5, 1921. Serial No. 150,020. PUBLISHED OCTOBER 18, 1921.

151,551. A MASSAGE CREAM FOR SOFTENING AND BEAUTIFYING THE SKIN. M. & S. Co., New York, N. Y.
Filed June 15, 1921. Serial No. 149,198. PUBLISHED OCTOBER 18, 1921.

151,552. STAMP PADS FOR INKING RUBBER STAMPS AND THE LIKE. MUN-KEE PRODUCTS CORPORATION, Los Angeles, Calif.
Filed June 28, 1921. Serial No. 149,766. PUBLISHED OCTOBER 18, 1921.

151,553. DYES, DYESTUFFS, AND COLORS. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y.
Filed June 1, 1921. Serial No. 148,503. PUBLISHED OCTOBER 4, 1921.

151,554. DYES, DYESTUFFS, AND COLORS. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y.
Filed June 1, 1921. Serial No. 148,504. PUBLISHED OCTOBER 4, 1921.

151,555. DYES, DYESTUFFS, AND COLORS. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y.
Filed June 1, 1921. Serial No. 148,505. PUBLISHED OCTOBER 4, 1921.

151,556. DYES, DYESTUFFS, AND COLORS. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y.
Filed June 1, 1921. Serial No. 148,506. PUBLISHED OCTOBER 4, 1921.

151,557. DYES, DYESTUFFS, AND COLORS. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y.
Filed June 1, 1921. Serial No. 148,507. PUBLISHED OCTOBER 4, 1921.

151,558. DYES, DYESTUFFS, AND COLORS. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y.
Filed June 1, 1921. Serial No. 148,508. PUBLISHED OCTOBER 4, 1921.

151,559. ELECTRODES FOR ELECTRIC FURNACE AND ELECTROLYTIC OPERATIONS. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed May 17, 1921. Serial No. 147,842. PUBLISHED OCTOBER 18, 1921.

151,560. RADIATOR COMPOUND. NAVAJO LABORATORIES, INC., Casper, Wyo.
Filed April 20, 1921. Serial No. 146,461. PUBLISHED SEPTEMBER 20, 1921.

151,561. AUTOMATIC LIQUID-SPRAYING SYSTEMS FOR PURIFYING THE AIR OF BUILDINGS. ARTHUR B. NEEB, Minneapolis, Minn.
Filed April 20, 1921. Serial No. 146,455. PUBLISHED NOVEMBER 1, 1921.

151,562. SPECTACLE AND EYEGLASS FRAMES AND MOUNTINGS, AND SCREWS FOR SAID MOUNTINGS. NEW JERSEY OPTICAL CO., Newark, N. J.
Filed May 6, 1921. Serial No. 147,306. PUBLISHED OCTOBER 25, 1921.

151,563. TANNING EXTRACTS. NEW YORK QUEBRACHO EXTRACT COMPANY, New York, N. Y.
Filed June 4, 1921. Serial No. 148,668. PUBLISHED OCTOBER 4, 1921.

151,564. TANNING EXTRACTS. NEW YORK QUEBRACHO EXTRACT COMPANY, New York, N. Y.
Filed June 4, 1921. Serial No. 148,669. PUBLISHED OCTOBER 4, 1921.

151,565. TANNING EXTRACTS. NEW YORK QUEBRACHO EXTRACT COMPANY, New York, N. Y.
Filed June 4, 1921. Serial No. 148,670. PUBLISHED OCTOBER 4, 1921.

151,566. A PREPARATION FOR CERTAIN NAMED USES. GILBERT J. NOVAK, Philadelphia, Pa.
Filed June 7, 1921. Serial No. 148,811. PUBLISHED OCTOBER 4, 1921.

151,567. A PREPARATION TO BE USED IN THE TREATMENT OF HOG CHOLERA. NUFORAL LABORATORIES, INC., New York, N. Y.
Filed May 3, 1921. Serial No. 147,171. PUBLISHED OCTOBER 18, 1921.

151,568. GAS ENGINES AND CERTAIN OTHER MACHINERY. OIL CITY ENGINE AND POWER COMPANY, Oil City, Pa.
Filed March 14, 1921. Serial No. 144,735. PUBLISHED OCTOBER 25, 1921.

151,569. LINIMENTS OR EMBROCATIONS FOR CERTAIN USES. HARRY D. OLDHAM, Urbana, Ill.
Filed May 24, 1919. Serial No. 118,890. PUBLISHED SEPTEMBER 23, 1919.

151,570. A PREPARATION FOR THE REMOVAL OF SUPERFLUOUS HAIR FROM THE HUMAN FACE AND BODY. NELIA PARKER, Oakland, Calif.
Filed July 14, 1920. Serial No. 134,974. PUBLISHED SEPTEMBER 20, 1921.

151,571. BOILER COMPOUNDS. THE J. H. PARSONS CHEMICAL COMPANY, Chicago, Ill.
Filed July 31, 1920. Serial No. 135,658. PUBLISHED FEBRUARY 15, 1921.

151,572. STAMP PADS. PEERLESS CARBON & RIBBON MFG. CO., INC., New York, N. Y.
Filed June 11, 1921. Serial No. 149,024. PUBLISHED OCTOBER 18, 1921.

151,573. A MOUTH WASH. PENETRO CHEMICAL COMPANY, Atlantic City, N. J., and Philadelphia, Pa.
Filed April 18, 1921. Serial No. 146,329. PUBLISHED OCTOBER 4, 1921.

151,574. ELECTROMETALLURGICAL FURNACES. PITTSBURGH ELECTRIC FURNACE CORPORATION, Pittsburgh, Pa.
Filed June 18, 1921. Serial No. 149,353. PUBLISHED NOVEMBER 1, 1921.

151,575. AN OINTMENT FOR THE TREATMENT OF CERTAIN AILMENTS. EMILE P. PLANÇON, Brooklyn, N. Y.
Filed July 6, 1921. Serial No. 150,080. PUBLISHED OCTOBER 18, 1921.

151,576. CERTAIN MACHINERY AND TOOLS. THE RAILWAY SPECIALTY COMPANY, Atchison, Kans.
Filed June 15, 1920. Serial No. 133,751. PUBLISHED OCTOBER 25, 1921.

151,577. MEDICINAL PREPARATION FOR STOMACH, LIVER, AND KIDNEY TROUBLES. ISIDORO RANDAZZO, Kansas City, Mo.
Filed May 9, 1921. Serial No. 147,467. PUBLISHED SEPTEMBER 27, 1921.

151,578. DEODORANT AND DISINFECTANT. ISIDORE RESSLER, Detroit, Mich.
Filed March 8, 1920. Serial No. 129,417. PUBLISHED SEPTEMBER 20, 1921.

151,579. AN ANTISEPTIC POWDER FOR THE TREATMENT OF AFFECTIONS OF THE NOSE AND THROAT. RHINOL CO. INC., New York, N. Y.
Filed May 11, 1920. Serial No. 132,323. PUBLISHED AUGUST 9, 1921.

151,580. A GENERAL TONIC. WAYNE F. RHYNE, Rome, Ga.
Filed June 23, 1920. Serial No. 134,090. PUBLISHED SEPTEMBER 20, 1921.

151,581. HAIR RESTORER. W. E. RILEY & COMPANY, Bristow, Okla.
Filed June 22, 1921. Serial No. 149,524. PUBLISHED OCTOBER 18, 1921.

151,582. SKIN LOTION. DAVID LE ROY RITTENHOUSE, Norristown, Pa.
Filed February 9, 1921. Serial No. 143,862. PUBLISHED OCTOBER 18, 1921.

151,583. CERTAIN NAMED MEDICINAL PREPARATIONS.) WILLIAM ROBERTS, St. Louis, Mo.
Filed March 12, 1921. Serial No. 144,687. PUBLISHED OCTOBER 18, 1921.

151,584. FACE POWDER. MAX ROBINS, Chicago, Ill.
Filed May 4, 1921. Serial No. 147,210. PUBLISHED OCTOBER 4, 1921.

151,585. CERTAIN NAMED TABLEWARE. ROCHESTER STAMPING COMPANY, Rochester, N. Y.
Filed September 2, 1920. Serial No. 136,765. PUBLISHED OCTOBER 18, 1921.

151,586. HAIR TONIC. MABLE ROWE, Detroit, Mich.
Filed July 8, 1921. Serial No. 150,156. PUBLISHED OCTOBER 18, 1921.

151,587. ELECTRIC STORAGE-BATTERY BOXES, AND PARTS THEREOF. RUB-TEX PRODUCTS, INC., Indianapolis, Ind.
Filed July 5, 1921. Serial No. 150,029. PUBLISHED NOVEMBER 1, 1921.

151,588. MEDICINE FOR ASTHMA. MICHAEL RUTKAY, Philadelphia, Pa.
Filed April 16, 1921. Serial No. 146,270. PUBLISHED SEPTEMBER 20, 1921.

151,589. WATCHES AND CLOCKS. LOUIS F. SACKERMAN, Baltimore, Md.
Filed June 23, 1921. Serial No. 149,560. PUBLISHED OCTOBER 18, 1921.

151,590. CERTAIN NAMED PHARMACEUTICAL AND TOILET PREPARATIONS. THE SANITAS COMPANY, INC., Jersey City, N. J., and Brooklyn, N. Y.
Filed July 11, 1921. Serial No. 150,256. PUBLISHED OCTOBER 18, 1921.

151,591. HAIR DYE. SOLON PALMER, New York, N. Y.
Filed June 4, 1921. Serial No. 148,671. PUBLISHED OCTOBER 4, 1921.

151,592. SANITATION-PROCESS SEWAGE-TREATMENT SYSTEMS AND PARTS THEREOF. THE SANITATION CORPORATION, Jersey City, N. J., and New York, N. Y.
Filed May 27, 1921. Serial No. 148,354. PUBLISHED OCTOBER 25, 1921.

151,593. MEDICINAL PREPARATION FOR THE TREATMENT OF GALL STONES. SCHERING & GLATZ, INC., New York, N. Y.
Filed February 19, 1919. Serial No. 116,010. PUBLISHED MARCH 8, 1921.

151,594. CERTAIN NAMED CHEMICAL, PHARMACEUTICAL AND TOILET PREPARATIONS. E. SCHUELLER, Paris, France.
Filed February 28, 1921. Serial No. 144,158. PUBLISHED OCTOBER 18, 1921.

151,595. WATCHES. ADOLPHE SCHWOB, INC., New York, N. Y.
Filed September 4, 1920. Serial No. 136,852. PUBLISHED OCTOBER 18, 1921.

151,596. ELECTRIC CLOCKS AND CLOCKS AND WATCHES OF ALL KINDS AND PARTS THEREOF. SCINTILLA, Solothurn, Switzerland.
Filed August 12, 1920. Serial No. 136,041. PUBLISHED OCTOBER 11, 1921.

151,597. GENERAL TONIC. CHAS. SEGALAS COMPANY, San Francisco, Calif.
Filed May 10, 1921. Serial No. 147,528. PUBLISHED OCTOBER 18, 1921.

151,598. ELECTRICAL BURGLAR-ALARM SYSTEMS AND PARTS THEREOF. SAMUEL SELIGMAN, New York, N. Y.
Filed March 30, 1921. Serial No. 145,480. PUBLISHED NOVEMBER 1, 1921.

151,599. PREPARATION USED IN THE TREATMENT OF RHEUMATISM. JOSEPH W. SEWELL, Hot Springs, Ark.
Filed May 7, 1921. Serial No. 147,369. PUBLISHED SEPTEMBER 20, 1921.

151,600. SPARK PLUGS. THE SHARP SPARK PLUG COMPANY, Cleveland, Ohio.
Filed April 12, 1919. Serial No. 117,415. PUBLISHED OCTOBER 4, 1921.

151,601. ROASTED COFFEE. SIOUX FALLS COFFEE & SPICE CO., Sioux Falls, S. D.
Filed July 20, 1921. Serial No. 150,710. PUBLISHED NOVEMBER 1, 1921.

151,602. NONFERROUS AND FERROUS ALLOYS. FRANK W. STEINACKER, Cleveland, Ohio.
Filed December 6, 1920. Serial No. 140,681. PUBLISHED OCTOBER 25, 1921.

151,603. HAIR GROWER. FANNIE B. STONER, Providence, Ky.
Filed February 25, 1921. Serial No. 144,053. PUBLISHED SEPTEMBER 20, 1921.

151,604. CERTAIN NAMED PRECIOUS METAL WARE. SUCKLING LIMITED, Birmingham, England.
Filed April 26, 1921. Serial No. 146,783. PUBLISHED OCTOBER 11, 1921.

151,605. MOTION PICTURES. SUPER ART PRODUCTIONS, Los Angeles, Calif.
Filed May 2, 1921. Serial No. 147,130. PUBLISHED OCTOBER 25, 1921.

151,606. MOTION-PICTURE FILMS. TEXAS FILM COMPANY, Denton, Tex., and Los Angeles, Calif.
Filed July 27, 1921. Serial No. 151,026. PUBLISHED OCTOBER 25, 1921.

- 151,607. A MEDICINE FOR RHEUMATISM. LEWIS THORNTON, Kansas City, Kans.
Filed May 2, 1921. Serial No. 147,139. PUBLISHED OCTOBER 18, 1921.
- 151,608. FACE POWDER, ROUGE, TOILET WATERS, SKIN CREAMS AND LOTIONS. Mrs. FRANCIS THURMAN, Casper, Wyo.
Filed May 10, 1921. Serial No. 147,538. PUBLISHED SEPTEMBER 27, 1921.
- 151,609. CERTAIN NAMED MEDICINAL AND PHARMACEUTICAL PREPARATIONS. TRUST ESTATE OF ADOLPH C. MEYER, DECEASED, Baltimore, Md.
Filed February 28, 1921. Serial No. 144,165. PUBLISHED SEPTEMBER 20, 1921.
- 151,610. CERTAIN NAMED MEDICINAL AND PHARMACEUTICAL PREPARATIONS. TRUST ESTATE OF ADOLPH C. MEYER, DECEASED, Baltimore, Md.
Filed Mar. 2, 1921. Serial No. 144,240. PUBLISHED SEPTEMBER 20, 1921.
- 151,611. CERTAIN NAMED MEDICINAL AND PHARMACEUTICAL PREPARATIONS. TRUST ESTATE OF ADOLPH C. MEYER, DECEASED, Baltimore, Md.
Filed March 5, 1921. Serial No. 144,345. PUBLISHED SEPTEMBER 20, 1921.
- 151,612. CERTAIN NAMED MEDICINAL AND PHARMACEUTICAL PREPARATIONS. TRUST ESTATE OF ADOLPH C. MEYER, DECEASED, Baltimore, Md.
Filed March 7, 1921. Serial No. 144,400. PUBLISHED SEPTEMBER 20, 1921.
- 151,613. CERTAIN NAMED MEDICINAL AND PHARMACEUTICAL PREPARATIONS. TRUST ESTATE OF ADOLPH C. MEYER, DECEASED, Baltimore, Md.
Filed March 8, 1921. Serial No. 144,482. PUBLISHED SEPTEMBER 20, 1921.
- 151,614. LINIMENT FOR EXTERNAL APPLICATION. TRUST ESTATE OF ADOLPH C. MEYER, DECEASED, Baltimore, Md.
Filed March 9, 1921. Serial No. 144,548. PUBLISHED SEPTEMBER 20, 1921.
- 151,615. CAN-OPENERS. UNITED ROYALTIES CORP., New York, N. Y.
Filed June 6, 1921. Serial No. 148,775. PUBLISHED OCTOBER 25, 1921.
- 151,616. METALLIC FASTENERS FOR WALLBOARD. THE UPSON COMPANY, Lockport, N. Y.
Filed July 2, 1921. Serial No. 149,985. PUBLISHED OCTOBER 25, 1921.
- 151,617. CHEMICAL CARBON REMOVER. HOMER EUGENE VASSAR, Worcester, Mass.
Filed March 18, 1921. Serial No. 144,948. PUBLISHED OCTOBER 18, 1921.
- 151,618. A MEDICINAL PREPARATION FOR POULTRY IN TABLET FORM TO STIMULATE EGG LAYING. VAYCIDE CHEMICAL CORPORATION, Birmingham, Ala.
Filed May 9, 1921. Serial No. 147,483. PUBLISHED SEPTEMBER 20, 1921.
- 151,619. A MEDICINAL PREPARATION FOR POULTRY. VAYCIDE CHEMICAL CORPORATION, Birmingham, Ala.
Filed May 9, 1921. Serial No. 147,484. PUBLISHED OCTOBER 18, 1921.
- 151,620. MEDICINAL PREPARATION FOR THE TREATMENT OF DISEASES OF POULTRY. VAYCIDE CHEMICAL CORPORATION, Birmingham, Ala.
Filed May 9, 1921. Serial No. 147,485. PUBLISHED OCTOBER 18, 1921.
- 151,621. MEDICINAL PREPARATION FOR THE TREATMENT OF DISEASES OF POULTRY. VAYCIDE CHEMICAL CORPORATION, Birmingham, Ala.
Filed May 9, 1921. Serial No. 147,486. PUBLISHED SEPTEMBER 20, 1921.
- 151,622. MATERIAL FOR FILLING CAVITIES IN TREES. ALBERT F. W. VICK, Philadelphia, Pa.
Filed June 3, 1920. Serial No. 133,235. PUBLISHED SEPTEMBER 20, 1921.
- 151,623. ELECTRICAL APPLIANCES—NAMELY, PORTABLE ELECTRIC LAMPS. VIMCO MFG. COMPANY, INC., Buffalo, N. Y.
Filed December 6, 1920. Serial No. 140,697. PUBLISHED OCTOBER 11, 1921.
- 151,624. FACE POWDERS, TALCUM POWDERS, AND TOILET POWDERS. V. VIVAUDOU, INC., New York, N. Y.
Filed July 1, 1921. Serial No. 149,940. PUBLISHED OCTOBER 18, 1921.
- 151,625. LAUNDRY WASHING MACHINES. VOSS BROTHERS MANUFACTURING CO., Davenport, Iowa.
Filed October 6, 1920. Serial No. 138,030. PUBLISHED AUGUST 30, 1921.
- 151,626. LAUNDRY WASHING MACHINES. VOSS BROTHERS MANUFACTURING CO., Davenport, Iowa.
Filed October 8, 1920. Serial No. 138,113. PUBLISHED JULY 26, 1921.
- 151,627. LAUNDRY WASHING MACHINES. VOSS BROTHERS MANUFACTURING CO., Davenport, Iowa.
Filed November 10, 1920. Serial No. 139,486. PUBLISHED JULY 12, 1921.
- 151,628. ELECTRIC THIEF AND BURGLAR ALARMS. GEORGE W. WACKER, Rutherford, N. J.
Filed July 21, 1921. Serial No. 150,789. PUBLISHED NOVEMBER 1, 1921.
- 151,629. CANDIES. WALLACE & CO., Brooklyn, N. Y.
Filed July 18, 1921. Serial No. 150,577. PUBLISHED NOVEMBER 1, 1921.
- 151,630. ANTISEPTIC HEALING SALVE. MATHILDA WALINDER, Chicago, Ill.
Filed April 26, 1920. Serial No. 131,681. PUBLISHED SEPTEMBER 20, 1921.
- 151,631. CERTAIN PUMPS, STANDS, SYSTEMS, AND OUTFITS FOR HANDLING OR USING CERTAIN FLUIDS. WAYNE OIL TANK & PUMP COMPANY, Fort Wayne, Ind.
Filed March 31, 1920. Serial No. 130,461. PUBLISHED MAY 24, 1921.
- 151,632. HAIR TONIC. FRANCIS B. WEIDLER, Los Angeles, Calif.
Filed April 2, 1921. Serial No. 145,662. PUBLISHED SEPTEMBER 20, 1921.
- 151,633. CHAMPAGNE WINES. WERLE ET COMPAGNIE, Reims, France.
Filed May 20, 1921. Serial No. 148,003. PUBLISHED OCTOBER 11, 1921.
- 151,634. STORAGE BATTERIES. THE WESTERN BATTERY & SUPPLY COMPANY, Denver, Colo.
Filed July 5, 1921. Serial No. 150,048. PUBLISHED NOVEMBER 1, 1921.
- 151,635. ANTISEPTIC SOLUTION. WESTERN CHEMICAL COMPANY, INC., Redfield, S. D., and Hutchinson, Minn.
Filed June 3, 1921. Serial No. 148,633. PUBLISHED OCTOBER 4, 1921.
- 151,636. HAIR-DYE REMOVER. WESTERN HAIR GOODS CO., Chicago, Ill.
Filed February 26, 1921. Serial No. 144,115. PUBLISHED OCTOBER 18, 1921.
- 151,637. DENATURED ALCOHOL. WESTERN INDUSTRIES CO., San Francisco, Calif.
Filed June 29, 1921. Serial No. 149,840. PUBLISHED OCTOBER 4, 1921.
- 151,638. COMBINATION PACKAGES OF WIRE CULINARY AND KITCHEN UTENSILS. WICKWIRE SPENCER STEEL CORPORATION, Worcester, Mass.
Filed April 27, 1921. Serial No. 146,856. PUBLISHED OCTOBER 25, 1921.

151,639. SHOE PATTERNS. THE WIECHMAN PATTERN COMPANY, Cincinnati, Ohio.

Filed April 30, 1921. Serial No. 147,072. PUBLISHED NOVEMBER 1, 1921.

151,640. A MEDICINE FOR TREATMENT OF ASTHMA, HAY FEVER, CATARRH, AND BRONCHITIS. HARRY H. WILDER, San Diego, Calif.

Filed July 2, 1921. Serial No. 149,990. PUBLISHED OCTOBER 18, 1921.

151,641. AN INDIGESTION AND STOMACH MEDICINE. JOHN J. WILEY, Dayton, Ohio.

Filed July 1, 1921. Serial No. 149,944. PUBLISHED OCTOBER 18, 1921.

151,642. BAKING POWDER. WILKES & SEAMAN CO., Louisville, Ky.

Filed June 3, 1921. Serial No. 148,631. PUBLISHED OCTOBER 4, 1921.

151,643. HAIR TONIC. LEWIS LORIMER WILLIAMS, East Boston, Mass.

Filed November 27, 1920. Serial No. 140,359. PUBLISHED SEPTEMBER 20, 1921.

151,644. DROP FORGINGS, CASTINGS, STAMPINGS, STEELS, AND HIGH-SPEED STEELS. J. H. WILLIAMS & CO., Brooklyn, N. Y.

Filed June 30, 1921. Serial No. 149,874. PUBLISHED OCTOBER 25, 1921.

151,645. FLASH LIGHTS AND ELECTRIC BATTERIES. WINCHESTER REPEATING ARMS CO., New Haven, Conn.

Filed May 25, 1921. Serial No. 148,254. PUBLISHED OCTOBER 4, 1921.

151,646. SPARK PLUGS. THE WISCONSIN IRON STORE, INC., Rice Lake, Wis.

Filed February 18, 1921. Serial No. 143,799. PUBLISHED NOVEMBER 1, 1921.

151,647. SALT—*i. e.*, SODIUM CHLORID. WORCESTER SALT CO., Silver Springs and New York, N. Y.

Filed June 17, 1921. Serial No. 149,307. PUBLISHED OCTOBER 4, 1921.

151,648. SALT—*i. e.*, SODIUM CHLORIDE. WORCESTER SALT CO., Silver Springs and New York, N. Y.

Filed June 17, 1921. Serial No. 149,308. PUBLISHED OCTOBER 4, 1921.

151,649. A SUPERFLUOUS-HAIR REMOVER. MINNIE WUNDER, Los Angeles, Calif.

Filed March 12, 1920. Serial No. 129,616. PUBLISHED OCTOBER 18, 1921.

151,650. YEAST. THE YEASTOLE COMPANY, Eureka, Springs, Ark.

Filed June 27, 1921. Serial No. 149,732. PUBLISHED OCTOBER 25, 1921.

151,651. A MEDICAL COMPOUND FOR THE TREATMENT OF VENEREAL DISEASES. YORK LABORATORIES COMPANY, York, Pa.

Filed July 7, 1921. Serial No. 150,125. PUBLISHED OCTOBER 18, 1921.

151,652. IRON AND STEEL PIPE AND PIPE COUPLINGS. THE YOUNGSTOWN SHEET & TUBE COMPANY, Youngstown, Ohio.

Filed April 22, 1921. Serial No. 146,615. PUBLISHED OCTOBER 25, 1921.

LABELS

REGISTERED FEBRUARY 7, 1922.

- 23,980.—*Title*: "PLAZA PONGEE." (For Cotton Piece Goods.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed October 6, 1921.
- 23,981.—*Title*: "LEONARD PERCALE." (For Cotton Piece Goods.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed October 6, 1921.
- 23,982.—*Title*: "DELMAR PERCALE." (For Cotton Piece Goods.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed October 6, 1921.
- 23,983.—*Title*: "CHALLIE DE MOUSSELINE." (For Cotton Piece Goods.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed October 6, 1921.
- 23,984.—*Title*: "HANLON PERCALE." (For Cotton Piece Goods.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed October 6, 1921.
- 23,985.—*Title*: "RUMSON CAMBRIC." (For Cotton Piece Goods.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed October 6, 1921.
- 23,986.—*Title*: "GINGHAM EFFECTS." (For Cotton Piece Goods.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed October 6, 1921.
- 23,987.—*Title*: "DECATUR PONGEE." (For Cotton Piece Goods.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed October 6, 1921.
- 23,988.—*Title*: "NYLE PRINTED PONGEE." (For Cotton Piece Goods.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed October 6, 1921.
- 23,989.—*Title*: "BUNGALOW CRETONNE." (For Cotton Piece Goods.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed October 6, 1921.
- 23,990.—*Title*: "MAJESTIC CAMBRIC." (For Cotton Piece Goods.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed October 6, 1921.
- 23,991.—*Title*: "AMERICAN CAMBRIC." (For Cotton Piece Goods.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed October 6, 1921.
- 23,992.—*Title*: "ARIZONA PLAIN PONGEE." (For Cotton Piece Goods.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed October 6, 1921.
- 23,993.—*Title*: "AMERICAN SCOUT PERCALE." (For Cotton Piece Goods.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed October 6, 1921.
- 23,994.—*Title*: "ORA-SOLIS." (For a Dental Wash and Astringent Valuable Aid in the Prevention and Treatment of Pyorrhea Alveolaris, Receding, and Bleeding Gums.) JOHN A. ANDERSON, Chicago, Ill. Filed November 12, 1921.
- 23,995.—*Title*: "NATIVE." (For Canned Pineapple.) HENRY P. BALDWIN, LIMITED, Lahaina, Territory of Hawaii. Filed December 27, 1921.
- 23,996.—*Title*: "QUEEN BESS." (For Sirupy Extract.) CALVIN L. BEARDSLEY, Rock Island, Ill. Filed October 6, 1921.
- 23,997.—*Title*: "ORIGINAL BOND EXTRACT." (For Bottles Containing Non-Alcoholic Beverages.) JOSEPH W. BOND, New York, N. Y. Filed December 16, 1921.
- 23,998.—*Title*: "BUCKEYE." (For Receptacles Containing Bearings and Bushings.) THE BUCKEYE BRASS AND MANUFACTURING COMPANY, Cleveland, Ohio. Filed December 22, 1921.
- 23,999.—*Title*: "LITTLE JACK HORNER." (For Candies—Namely, Kiddie Junior Candies.) CANDY CRAFT, INC., Chicago, Ill. Filed November 7, 1921.
- 24,000.—*Title*: "RED RIDING HOOD." (For Candies—Namely, Kiddie Junior Candies.) CANDY CRAFT, INC., Chicago, Ill. Filed November 7, 1921.
- 24,001.—*Title*: "OLD MOTHER HUBBARD." (For Candies—Namely, Kiddie Junior Candies.) CANDY CRAFT, INC., Chicago, Ill. Filed November 7, 1921.
- 24,002.—*Title*: "MARY'S LITTLE LAMB." (For Candies—Namely, Kiddie Junior Candies.) CANDY CRAFT, INC., Chicago, Ill. Filed November 7, 1921.
- 24,003.—*Title*: "ELMER'S PICK O' SWEETS." (For Candy.) ELMER CANDY CO. INC., New Orleans, La. Filed December 23, 1921.
- 24,004.—*Title*: "ORIGINAL PUSS IN BOOT." (For Felt Boots or Slippers.) FEDERAL SLIPPER CO. INC., New York, N. Y. Filed August 31, 1921.
- 24,005.—*Title*: "DEVILED CHILI MEAT." (For Deviled Chili Meat.) GEBHARDT CHILI POWDER CO., San Antonio, Tex. Filed October 25, 1921.
- 24,006.—*Title*: "SILK TISSUE." (For Toilet Paper.) JACKSON C. E. GLASS, Oakland, Calif. Filed December 22, 1921.
- 24,007.—*Title*: "JAX-AVANA." (For Cigars.) THE H. GORDON CO., Jacksonville, Fla. Filed October 1, 1921.
- 24,008.—*Title*: "EXCELSIOR SONG IMPROVER." (For a Bird Remedy.) KAEMPFER'S, INC., Chicago, Ill. Filed December 27, 1921.
- 24,009.—*Title*: "AVONDALE." (For Canned Peas.) THE KROGER GROCERY AND BAKING CO., Cincinnati, Ohio. Filed December 27, 1921.
- 24,010.—*Title*: "FRENCH BRAND." (For Coffee.) THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio. Filed December 27, 1921.
- 24,011.—*Title*: "GRANDMA'S CAKE." (For Cake.) LANTZ BROS. BAKING CO., St. Louis, Mo. Filed December 16, 1921.
- 24,012.—*Title*: "PREPARED MUSTARD." (For Prepared Mustard.) LANTZ BROS. BAKING CO., St. Louis, Mo. Filed December 16, 1921.
- 24,013.—*Title*: "GRAND DUKE." (For Cigars.) THOMAS F. McKEIGUE, Janesville, Wis. Filed December 27, 1921.
- 24,014.—*Title*: "MICKELBERRY'S OLD FARM BRAND." (For Sausage.) MICKELBERRY'S FOOD PRODUCTS CO., Chicago, Ill. Filed December 27, 1921.
- 24,015.—*Title*: "CHOCOLATES." (For Boxes Containing Chocolate Candy.) MILWAUKEE PAPER BOX COMPANY, Milwaukee, Wis. Filed December 27, 1921.
- 24,016.—*Title*: "CANDIES." (For Boxes Containing Candy.) MILWAUKEE PAPER BOX COMPANY, Milwaukee, Wis. Filed December 27, 1921.
- 24,017.—*Title*: "VAPOOILE." (For Cans Containing Vapooile.) MOTOR PRODUCTS COMPANY, Los Angeles, Calif. Filed November 16, 1921.

- 24,018.—*Title:* "SWEEPING COMPOUND." (For Sweeping Compound.) MUTUAL OIL COMPANY, Kansas City, Mo. Filed July 2, 1921.
- 24,019.—*Title:* "BR'ER RABBIT." (For Bread.) SANI-WAX PAPER CO., Kalamazoo, Mich. Filed December 23, 1921.
- 24,020.—*Title:* "FAIREST." (For Hair Nets.) SITROUX IMPORTING COMPANY, INC., New York, N. Y. Filed October 11, 1921.
- 24,021.—*Title:* "SUMMIT VARNISH COMPANY." (For Wood Finishes.) SUMMIT VARNISH COMPANY, Chicago and Summit, Ill. Filed July 31, 1920.
- 24,022.—*Title:* "LIGHTING DRAINEZE." (For a Preparation for Cleaning Drain Pipes.) C. SWANSON & SONS, Mankato, Minn. Filed December 17, 1921.
- 24,023.—*Title:* "HOME MADE." (For Bread.) WAXT-WELL PAPER COMPANY, Grand Rapids, Mich. Filed December 19, 1921.
- 24,024.—*Title:* "PEERLESS." (For Bread.) WAXT-WELL PAPER COMPANY, Grand Rapids, Mich. Filed December 19, 1921.
- 24,025.—*Title:* "HOME MADE." (For Bread.) WAXT-WELL PAPER COMPANY, Grand Rapids, Mich. Filed December 19, 1921.
- 24,026.—*Title:* "MILK MAID." (For Bread.) WAXT-WELL PAPER COMPANY, Grand Rapids, Mich. Filed December 19, 1921.
- 24,027.—*Title:* "FARM HOUSE." (For Bread.) WAXT-WELL PAPER COMPANY, Grand Rapids, Mich. Filed December 19, 1921.
- 24,028.—*Title:* "PERFECTION." (For Bread.) WAXT-WELL PAPER COMPANY, Grand Rapids, Mich. Filed December 19, 1921.
- 24,029.—*Title:* "GOLDEN GLOW." (For Bread.) WAXT-WELL PAPER COMPANY, Grand Rapids, Mich. Filed December 19, 1921.

DECISIONS

OF THE

COMMISSIONER OF PATENTS

AND OF

UNITED STATES COURTS IN PATENT CASES.

COMMISSIONER'S DECISIONS.

EX PARTE ASSOCIATED MORTGAGE INVESTORS, INC.

Decided July 16, 1921.

TRADE-MARKS—USE ON ADVERTISING MATTER NOT SUFFICIENT.

Where a mark is used on advertising matter offering mortgages for sale, *Held* that such use is not sufficient to entitle applicant to registration.

APPEAL from Examiner of Trade-Marks and Designs.

TRADE-MARK FOR MORTGAGES.

Messrs. Davis & Simms for the applicant.

FENNING, Assistant Commissioner:

This is an appeal from a decision of the Examiner of Trade-Marks and Designs refusing to register the mark of the applicant for mortgages.

Applicant explains its method of doing business in an affidavit of its vice president, as follows:

The business of my said company is to loan money in certain sections of this country and Canada on farm mortgages. In making these loans my company invests its own money and takes the mortgages in its own name as mortgagee. These mortgages are then offered for sale by my company and, after being sold, are made over to the purchasers. These mortgages are, therefore, bought and sold by my company. The manner in which they are offered for sale, and the manner in which the sale is consummated, differs from the ordinary practice in the case of commodities in general in these respects: Obviously, mortgages cannot properly be put on sale subject to examination in the way that goods in general are sold in the market. Instead the mortgages are sold through the so-called "descriptive offerings," samples of which were filed with this application, in which a synopsis of the mortgage is given from which a fair estimate of it can be had and from which the purchaser can make his purchase. This takes the place of, and is, in fact, the equivalent of placing the mortgage itself on the market. The trade-mark in question is placed on these "descriptive offerings," as disclosed by the samples filed with this application.

Applicant does not claim its mark is actually applied to mortgages, but only to descriptive offerings.

Clearly therefore the mark is used only on advertising matter, and this is not sufficient to entitle applicant to registration under the law.

In view of *ex parte Roy and Nourse*, (54 O. G., 1269;) *ex parte Bowles*, (97 O. G., 2308;) *ex parte The Third National Bank of St. Louis*, (260 O. G., 562;) *Hartshorn v. Philbrick*, (101 O. G., 2077,) and *ex parte Commercial Liquidation Company*, (129 MS. Dec., 89,) the decision of the Examiner of Trade-Marks and Designs is affirmed.

ADJUDICATED PATENTS.

(U. S. D. C. N. Y.) The Baekeland patents, No. 942,699, claims 1, 2, and 4, No. 942,852, claims 5 and 6, and No. 939,966, claims 1, 2, and 3, for methods of making synthetic gums or resins, valid and infringed. *General Bakelite Co. v. General Insulate Co.*, 276 Fed. Rep., 166.

(U. S. D. C. Pa.) The Raspillarie patent, No. 834,165, for a glass drawing and shaping machine, *Held* void for inoperativeness. *Window Glass Mach. Co. v. Pittsburgh Window Glass Co.*, 276 Fed. Rep., 193.

(U. S. D. C. Pa.) The Spinasse patent, No. 1,208,851, claims 1-4, for method of drawing glass cylinders, *Held* valid, but not infringed. *Pittsburgh Plate Glass Co. v. American Window Glass Co.*, 276 Fed. Rep., 197.

(U. S. C. C. A. Wis.) The Klauer reissue patent, No. 14,684, for charcoal burner, *Held* not infringed. *Klauer v. Western Metal Specialty Co.*, 276 Fed. Rep., 93.

Changes in Classification.

(ORDER NO. 2,720.)

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington D. C., January 16, 1922.

The following changes in the classification of inventions are hereby directed, to take effect immediately:

In class 8, Bleaching and Dyeing, (Division VI,) establish subclass—

21. Carroting.

The patents contained in this subclass have been taken for the most part from class 13, Brakes and Gins, subclass 5, Processes, hereinafter abolished.

In class 26, Cloth Finishing, (Division XXI,) change the title of the class to read 26, *Textiles, Cloth Finishing*, and establish therein subclass—

20. Fulling.

The patents contained in this subclass have been taken for the most part from Class 38, Felt and Fur, subclass 11, Fulling, hereinafter abolished.

In class 66, Knitting and Netting, (Division XXI,) change the title of the class to read *66, Textiles, Knitting*, and abolish subclasses—

6. Netting.
10. Tatting.

The patents formerly contained in these subclasses have been placed for the most part in Class 96, Textiles, Braiding, Netting, or Lace Making, hereinafter established.

In class 118, Spinning, (Division XXI,) change the title of the class to read *118, Textiles, Spinning*, and establish therein the following subclass and definition:

- Continuous—
39.5. Nippers.

39.5. CONTINUOUS, NIPPERS. Means for engaging the strands to limit the distance that the twist can extend back from the spinning elements.

The patents contained in this subclass have been taken for the most part from class 19, Carding, subclass 26, Condensing guides, hereinafter abolished.

In class 139, Weaving, (Division XXI,) change the title of the class to read *139, Textiles, Weaving*, and abolish subclasses—

47. Bag-turning machines.
5. Carpet-rag loopers.
13. Heddle machines.
86. Reed machines.
93. Warp replenishing—
94. Drawing,
95. Uniting.

The patents formerly contained in subclass 47, above, have been placed for the most part in class 223, Apparel Apparatus, subclasses 20, Garment and bag turners, and 20.1, Garment and bag turners, Pneumatic, hereinafter established, and those formerly contained in subclasses 5, 13, 86, 93, 94, and 95 have been placed for the most part in class 28, Textiles, hereinafter established.

In class 149, Hides, Skins, and Leather, (Division XXXI,) establish subclasses—

- Apparatus—
24. Preparing furs—
25. Coarse-hair removing—
26. Clipping,
27. Plucking.

96.—TEXTILES, BRAIDING, NETTING, OR LACE MAKING.

1. Miscellaneous.
2. Braiding—
3. Incorporating unbraided material,
4. Interlocking twist type,
5. Circular-orbit type—
6. Inclined shuttle carrier,
7. Horizontal shuttle carrier,
8. Sinuous orbit type—
9. Without race plate,

96.—TEXTILES, BRAIDING, NETTING, OR LACE MAKING—Con.

- Braiding—
Sinuous-orbit type—
10. Special braids—
11. Pattern controlled,
12. Driving and switching,
13. Carriers—
14. Hollow spindle,
15. Ratchet let-off,
16. Shaping,
17. Beaters,
18. Take-up mechanisms,

96.—TEXTILES, BRAIDING, NETTING, OR LACE MAKING—Con.

- Braiding—
19. Stopping and starting.
20. Twist or bobbinet lace making.
21. Knotted mesh fabric making.
22. Tatting.
23. Strand or fabric structure—
24. Lace,
25. Braided—
26. With unbraided element,
27. Variable form.

In class 19, Carding, (Division XXI,) change the title of the class to read *19, Textiles, Fiber Preparation*, abolish the existing subclasses, and establish in lieu thereof the following subclasses and definitions, the patents contained in this class having been taken for the most part from old class 19, Carding, and classes 13, Brakes and Gins, and 38, Felt and Fur, hereinafter abolished, and

19.—TEXTILES, FIBER PREPARATION.

1. Liberating—
2. Animal fibers—
3. Silk,
4. Feathers,
5. Decorticating—
6. With seed or leaf removing,
7. With liquid treatment—
8. Depulping,
9. With air blast,
10. Individual-stalk opening,
11. Traveling clamp feed—
12. Transverse—
13. Overhead,
14. Depulping,
15. Depulping—
16. Single rotor,
17. Depulping—
18. Including rotary,
19. Apron machines—
20. Depulping,
21. Combinations with reciprocating brakes,

19.—TEXTILES, FIBER PREPARATION—Continued.

- Liberating—
Decorticating—
22. Reciprocating brakes—
23. Continuous feed,
24. Rotary machines—
25. Axially-movable rotor,
26. Single rotor—
27. Depulping,
28. Depulping,
29. Including brakes and combs,
30. Brakes and beaters,
31. Brakes—
32. Reverse rotation,
33. Beaters,
34. Depulping,
35. Boll hulling—
36. With knocker roll and breaker,
37. With knocker roll,
38. With breaker,

19.—TEXTILES, FIBER PREPARATION—Continued.

- Liberating—
39. Ginning—
40. Delinting—
41. Delinters—
42. Separate delinting and doffing chambers—
43. Roller and bar,
44. Rotor in shell—
45. Vertical—
46. Skeleton rotor,
47. Skeleton rotor,
48. Gins—
49. Rolling squeezer,
50. Roller and bar—
51. Laterally-movable detacher,
52. Vibratory detacher,
53. Rotary detacher,
54. Rollers,
55. Saw—
56. With boll hullers,
57. Multiple cylinders,

Processes and compositions—

28. Preparing furs.

The patents contained in these subclasses have been taken for the most part from class 38, Felt and Fur, hereinafter abolished.

In class 223, Apparel Apparatus, (Division XXIV,) change the title of subclass 20, Garment turners, to read *20, Garment and bag turners*, and establish subclass—

Garment and bag turners—

20.1. Pneumatic.

The patents contained in subclass 20.1, above, have been taken for the most part from class 139, Weaving, subclass 47, Bag-turning machines, hereinafter abolished, and some of the patents from this subclass (139—47) have also been placed in subclass 20, Garment and bag turners.

Abolish, in Division XXI, class 13, Brakes and Gins. The patents formerly contained in this class have been placed for the most part in class 19, Textiles, Fiber Preparation, hereinafter established. Some formerly contained in subclass 5, Processes, have been placed in class 8, Bleaching and Dyeing, subclass 21, Carroting, hereinafter established.

Abolish, in Division XXI, class 38, Felt and Fur. The patents formerly contained in this class have been placed for the most part in classes 19, Textiles, Fiber Preparation, and 28, Textiles, hereinafter established, and class 149, Hides, Skins, and Leather, subclasses 24, Apparatus, Preparing furs, and the subclasses indented thereunder, and 28, Processes and compositions, Preparing furs, hereinafter established, except those formerly contained in subclass 11, Fulling, which have been placed in class 26, Textiles, Cloth Finishing, subclass 20, Fulling, hereinafter established.

Establish, in Division XXI, class 96, Textiles, Braiding, Netting, or Lace Making, with the following subclasses and definitions, the patents contained in this class having been taken for the most part from class 28, Cordage, hereinafter abolished, and class 66, Knitting and Netting, subclasses 6, Netting, and 10, Tatting, hereinafter abolished:

class 117, Silk, hereinafter abolished, and the patents formerly contained in old class 19, Carding, having been placed for the most part in new class 19, Textiles, Fiber Preparation, except those formerly contained in subclass 26, Condensing guides, which have been placed for the most part in class 118, Textiles, Spinning, subclass 39.5, Continuous, Nippers, hereinafter established:

19.—TEXTILES, FIBER PREPARATION—Continued.

- Liberating—**
 Gins—
 Saw—
 58. Doffing and moting—
 59. Pneumatic doffing,
 60. Brushes,
 61. Seed boards,
 62. Ribs,
 63. Saws,
 64. Saw cleaners.
Working—
 66. Fluid or special treatment,
 67. Feeding and cleaning—
 68. Material regulated—
 69. By delivered bulk,
 70. By thickness in transit—
 71. Trumpet type,
 72. Pneumatic—
 73. With distributor—
 74. Mechanical,
 75. Air separators,
 76. With dirt pocket,
 77. Dirt pockets,
 78. Apron—
 79. Lifting with surplus stripper,
 80. Picking—
 81. Nonrotary,
 82. Disintegrators—
 83. Gripping feed,
 84. Bur removers, gripping feed,
 85. Beaters—
 86. Gripping feed—
 87. Multiple rotor—
 88. With condenser,
 89. With condenser,
 90. Longitudinal feed—
 91. Multiple rotor,
 92. Intermittent feed,
 93. Multiple rotor,
 94. Rotors,

19.—TEXTILES, FIBER PREPARATION—Continued.

- Working—**
Picking—
 95. Beaters—
 96. Screens,
 97. Gripping feed,
 98. Rotors,
 99. Carding—
 100. Card types—
 101. Roller worker and strip-
 per—
 102. Multiple-roller worker
 unit,
 103. Traveling flat—
 104. Bends,
 105. Stationary flat,
 106. Feeding,
 107. Doffing,
 108. Waste recovering,
 109. Stripping—
 110. Pneumatic,
 111. Flat—
 112. Traveling,
 113. Cylinders,
 114. Flats,
 115. Card clothing,
 116. Comb—
 117. Tuft—
 118. Rotating tuft carrier,
 119. Segment detacher—
 120. Fixed-position nipper
 and detacher,
 121. Fixed-position detacher,
 122. Bodily-movable detacher,
 123. Circle—
 124. Exterior and interior,
 125. Dabbing mechanism,
 126. Overhead traveling clamp,
 127. Apron and cylinder,
 128. Apron,
 129. Cylinder,
 130. Screw gill bar,
 131. Drawing—
 132. Apron,

19.—TEXTILES, FIBER PREPARATION—Continued.

- Working—**
Drawing—
 132. Conventional cotton type—
 133. Strand traverse,
 134. Roll stands,
 135. Pressure devices—
 136. Stirrup and lever,
 137. Saddles—
 138. Lubricating,
 139. Roll clearers—
 140. Rotary,
 141. Rolls—
 142. Top—
 143. Surface structure.
Assembling—
 144. Different materials—
 145. Uniform mixtures,
 146. Cloth base,
 147. Article, screen condensing,
 148. Article, winding,
 149. Sliver forming—
 150. Fleece dividers,
 151. Rub rolls,
 152. Rub aprons,
 153. Twisting heads,
 154. Web forming—
 155. Screen condensers,
 156. Formed slivers—
 157. Winding,
 158. Coiling,
 159. Zigzag,
 160. Formed webs—
 161. Winding,
 162. Zigzag.
Stopping—
 163. Electrical,
 164. Sliver—
 165. Roller,
 166. Trumpet,
 167. Break detector.
 168. Feather reducers.

In class 28, Cordage, (Division XXI,) change the title of the class to read 28, *Textiles*, abolish the existing subclasses, and establish in lieu thereof the following subclasses and definitions, the patents contained in this class having been taken for the most part from old class 28, Cordage, class 139, Weaving, subclasses 5, Carpet-rag loopers; 18, Heddle machines; 86, Reed machines, and 93, Warp replenishing, and the subclasses indented thereunder,

28.—TEXTILES.

1. Miscellaneous.
 2. Tuft or tassel making.
 3. Heddle making.
 4. Needling.
 5. Felt—
 Machines—
 6. Roll pack—
 7. Roller pocket—
 8. Roller feature,
 9. Rollers,
 10. Progressive feed—
 11. Reciprocating platen,
 12. Reciprocating platen,
 13. Reciprocating platen.
 14. Thread frames.
 15. Carpet-rag loopers.
 16. Fabric ravelers—
 Edge.
 17. Bobbin strippers—
 Slipping off.
 18. Packaging strands.
 19. Warp preparation—
 Chain manipulation—
 20. Wrapping or unwrapping,
 21. Linking,
 22. Winding,
 23. Coiling,

28.—TEXTILES—Continued.

- Warp preparation—**
 24. Dressing,
 25. Pattern setting,
 26. Reeling—
 27. Section building,
 28. Beaming—
 29. Narrow warps,
 30. Supply replenishing,
 31. Tension control—
 32. Speed regulation,
 33. Traversing,
 34. Pressing,
 35. Driving,
 36. Leasing,
 37. Loom replenishing—
 38. Warp or loom elements sup-
 ports,
 39. Warp selecting and separat-
 ing,
 40. Drawing—
 41. Reeding,
 42. Heddle or detector manipu-
 lation,
 43. Uniting—
 44. Twisting,

28.—TEXTILES—Continued.

- Warp preparation—**
 45. Loom replenishing—
 46. Uniting—
 47. Tying,
 48. Stopping—
 49. Electrical,
 50. Arrestable vibrator—
 51. Pivoted detector,
 52. Combs and guides—
 53. Expansion.
 54. File tufting, loom replenishing.
 55. Finishing thread—
 56. Hanks and cops,
 57. With liquid treatment—
 58. Silk type,
 59. Heating or drying,
 60. Heating or drying,
 61. Singeing,
 62. Knot or slub detecting,
 63. Brushing or combing,
 64. Shearing,
 65. Rubbing,
 66. Stripping guides—
 67. Vitreous type,
 68. Slot—
 69. Horizontal.

In class 117, Silk, (Division XXI,) change the title of the class to read 117, *Textiles, Twisting or Twining*, abolish the existing subclasses, and establish in lieu thereof the following subclasses and definitions, the patents contained in this class having been taken for the most part from class 28, Cordage, hereinbefore abolished, and the patents formerly contained in class 117, Silk,

hereinbefore abolished, and classes 38, Felt and Fur, hereinbefore abolished, and 117, Silk, hereinafter abolished, and the patents formerly contained in class 28, Cordage, having been placed for the most part in new class 28, Textiles, and in classes 96, Textiles, Braiding, Netting, or Lace Making, hereinbefore established, and 117, Textiles, Twisting or Twining, hereinafter established:

having been placed for the most part in appropriate subclasses in new class 117, Textiles, Twisting or Twining, class 28, Textiles, hereinbefore established, and class 242, Winding and Reeling, and in class 19, Textiles, Fiber Preparation, subclass 3, Liberating, Animal fibers, Silk, hereinbefore established:

- 117.—TEXTILES, TWISTING OR TWINING.
- 1. Miscellaneous.
 - 2. With coating or impregnating—
 - 3. Paper twine or yarn making.
 - 4. Waxed-end making.
 - 5. Endless-band forming.
 - 6. Splicing.
 - 7. Twisting ends or hanks—
 - 8. Doubling feature—
 - 9. Reverse-twist controller.
 - 10. Hair, grass, or the like—
 - 11. Wrapping,
 - 12. Twisting,
 - 13. Feeding.
 - 14. Twisted-chenille making.
 - 15. Paper twine or yarn making.
 - 16. Wire-rope making—
 - 17. With core,
 - 18. Two-strand type,
 - 19. Hollow,
 - 20. Delivery flier type.

- 117.—TEXTILES, TWISTING OR TWINING—Continued.
- 21. Yarn or thread making—
 - 22. Irregular feed,
 - 23. Delivery twist type—
 - 24. With twisting couple—
 - 25. Stopping and starting,
 - 26. With winding,
 - 27. Twisting-couple type,
 - 28. Stopping and starting—
 - 29. Feed stopping—
 - 30. Roll separating,
 - 31. Strand shifting,
 - 32. Severing—
 - 33. Clamping.
 - 34. Covering or wrapping—
 - 35. With twisting,
 - 36. Rotating-core type,
 - 37. Stationary-core type,
 - 38. Quill stock,
 - 39. Tubular core,
 - 40. With loose fibers,
 - 41. With flat strands or tapes,

- 117.—TEXTILES, TWISTING OR TWINING—Continued.
- Covering or wrapping—
- 42. Covering elements—
 - 43. Plural strands—
 - 44. In layers,
 - 45. Starting and stopping.
 - 46. Delivery flier type—
 - 47. With receiving flier,
 - 48. With winding.
 - 49. Receiving flier type.
 - 50. Dies or mandrels.
 - 51. Stopping and starting.
 - 52. Strand structure—
 - 53. Coated or impregnated,
 - 54. Twisted chenille,
 - 55. Endless bands,
 - 56. Splices,
 - 57. Elastic,
 - 58. Wire rope—
 - 59. Composite,
 - 60. Paper.

WM. A. KINNAN, *Acting Commissioner.*

Changes in Classification.

(ORDER NO. 2,721.)

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., January 26, 1922.

The following change in the classification of inventions is hereby directed, to take effect immediately:

In class 12, Boot and Shoe Making, (Division XI,) establish the following subclass and definition:

69.3. Buttoning machines.

69.3. BUTTONING MACHINES. Mechanisms for buttoning boots and shoes.

The patents contained in this subclass have been taken for the most part from class 12, Boot and Shoe Making, subclass 1. Miscellaneous.

WM. A. KINNAN,
Acting Commissioner.

Changes in Classification.

(ORDER NO. 2,722.)

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., January 27, 1922.

The following change in the classification of inventions is hereby directed, to take effect immediately:

In class 268, Closure Operators, (Division I,) abolish subclass—

25. Receptacle.

The patents formerly contained in this subclass have been placed in various subclasses in class 220, Metallic Receptacles, and class 210, Liquid Separation or Purification.

WM. A. KINNAN,
Acting Commissioner.

Changes in Classification.

(ORDER NO. 2,723.)

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., January 28, 1922.

The following changes in the classification of inventions are hereby directed, to take effect immediately:

In class 175, Electricity—General Applications, (Division XI.VIII,) change the numbers of subclasses—

Wire-placing apparatus—

- 377. Fluid pressure,
- 379. Motors,
- 378. Sectional members,
- 380. Step by step,

to read—

Wire-placing apparatus—

- 378. Fluid pressure,
- 377. Motors,
- 380. Sectional members,
- 379. Step by step.

WM. A. KINNAN,
Acting Commissioner.

THE OFFICIAL GAZETTE

OF THE

United States Patent Office.

Vol. 295—No. 2.

TUESDAY, FEBRUARY 14, 1922.

Price—\$5 per year.

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, \$5.00 per annum; single numbers, 10 cents each.
Printed copies of patents are furnished by the Patent Office at 10 cents each. For the latter, address the Commissioner of Patents, Washington, D. C.

CONTENTS.

	Page.
ISSUE OF FEBRUARY 14, 1922	231
INTERFERENCE NOTICES	231
APPLICATIONS UNDER EXAMINATION	232
PATENTS GRANTED	233
REISSUES	394
DESIGNS	396
TRADE-MARKS PUBLISHED (218 APPLICATIONS)	405
TRADE-MARK REGISTRATIONS GRANTED	437
TRADE-MARK REGISTRATIONS RENEWED	437
LABELS	459
PRINTS	462
COMMISSIONER'S DECISIONS—	
E. H. Macy & Co. Inc. v. The Macey Company, Inc.	463
Shivinski v. Lane	464
ADJUDICATED PATENTS	465
ADVERSE DECISIONS IN INTERFERENCE	465

Issue of February 14, 1922.

Patents	796—No. 1,406,162 to No. 1,406,957, inclusive.
Designs	45—No. 60,393 to No. 60,437, inclusive.
Trade-Marks	456—No. 151,653 to No. 152,108, inclusive.
Labels	86—No. 24,030 to No. 24,115, inclusive.
Prints	32—No. 5,949 to No. 5,980, inclusive.
Reissues	5—No. 15,283 to No. 15,287, inclusive.
T. M. Renewals	15
Total	1435

Interference Notices.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., January 18, 1922.

Albert F. Stiefel, his heirs, assigns, or legal representatives, take notice:

An interference having been declared by this Office between the application of Paul O. Nutt, 4803 Grand Avenue, Des Moines, Iowa, for registration of a trade-mark and trade-mark registered September 10, 1912, No. 88,383, to Albert F. Stiefel, 5424 Second Avenue, Pittsburgh, Pa., and a notice of such declaration sent by registered mail to Albert F. Stiefel at the said address having been returned by the post-office with the word "Deceased" endorsed thereon, notice is hereby given that unless said Albert F. Stiefel, his heirs, assigns, or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Assistant Commissioner.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., January 31, 1922.

Lawrence Dewey Meredith, his assigns or legal representatives, take notice:

An interference has been declared by this Office between the application for patent of Lawrence Dewey Meredith, 1502 Fourth Street, North Minneapolis, Minn., and the application for patent of John J. Mahoney, 10 Fountain Street, Medford, Mass. The Office has been unable to secure service either upon Lawrence Dewey Meredith or on his assignee, Samuel Meredith, Minneapolis, Minn. Notice is therefore hereby given that unless said Lawrence Dewey Meredith, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., January 31, 1922.

Henry Erric, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of The Glidden Company, Cleveland, Ohio, for registration of a trade-mark and trade-mark registered March 10, 1908, No. 68,083, to Henry Erric, 96-98 Water Street, New York, N. Y., and a notice of such declaration sent by registered mail to Henry Erric at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Henry Erric, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., February 3, 1922.

Bruno H. Goll Chemical Works, their assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of R. Odell & Sons Company, 103 Washington Street, Newark, N. J., and Henry Bach, 102 West Market Street, Akron, Ohio, for registrations of trade-marks and trade-mark registered Dec. 31, 1907, No. 66,838, to Bruno H. Goll Chemical Works, 661 West Twelfth Street, Chicago, Ill., and a notice of such declaration sent by registered mail to Bruno H. Goll Chemical Works at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Bruno H. Goll Chemical Works, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., February 7, 1922.

Coe & Hill, their assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of The Electrozone Water Company, of 1005 West Twelfth Street, city of Oklahoma, Okla., for registration of a trade-mark and trade-mark registered September 27, 1921, No. 146,969, to Coe & Hill, of Oklahoma, Okla., and a notice of such declaration sent by registered mail to said Coe & Hill at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Coe & Hill, their assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

Condition of Applications Under Examination at Close of Business February 4, 1922.

(Total number of applications waiting action, excluding Trade-Mark division, 62,482; Trade-Mark division, 6,766. Oldest new case, Dec. 28; oldest amended, Feb. 26, 1921.)

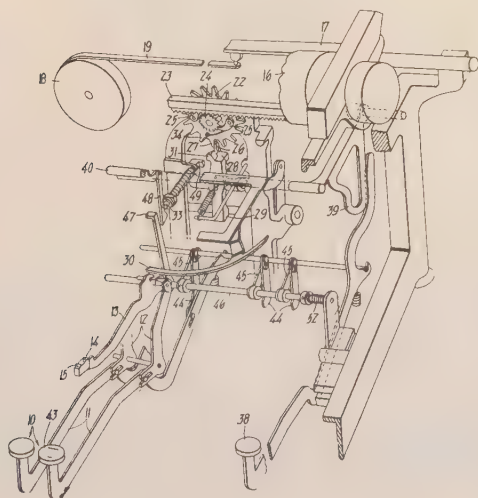
Divisions, Examiners, and subjects of inventions.

Room No.		Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
		New.	Amended.	
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plows; Planting; Scatterers and Unloaders.	Aug. 11	Aug. 25	837
128	2. BALDWIN, M., Bee Culture, Dairy, Medicines, Pneumatics, Preserving; Presses; Tents, Canopies, Umbrellas, and Cases; Tobacco, Trees, Plants, and Flowers.	Mar. 15	May 6	1,388
170	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	June 3	May 5	1,052
231	4. MERRITT, A. D., Conveyers, Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Hoisting; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Apr. 1	Aug. 29	1,673
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifoldings; Music; Printed Matter; Tying Cords or Strands.	Apr. 8	Apr. 28	1,025
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	June 16	Aug. 4	1,025
312	7. JARBOE, C. G., Games and Toys; Optics; Photography; Velocipedes.	May 12	Aug. 24	2,169
133	8. CLIFT, J. W., Beds; Chairs and Seats; Flexible-Sheet-Securing Devices; Furniture, Kitchen and Table Articles; Store Furniture; Supports.	Nov. 16	Jan. 3	619
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Jan. 10	Dec. 6	1,035
235	10. MITCHELL, T. H., Land Vehicles; Land Vehicles, Animal Draft Appliances; Land Vehicles—Bodies and Tops; Land Vehicles—Dumping; Land Vehicles, Wheel Substitutes; Motor Vehicles.	June 27	Nov. 4	1,280
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	Oct. 10	Oct. 19	550
322	12. PIERCE, P. P., Machine Elements.	July 22	Oct. 13	1,001
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Tools and Implements, Making; Metal Working; Needle and Pin Making; Turning.	Feb. 19	Nov. 1	1,897
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Apr. 6	Nov. 3	853
398	15. REDROW, W. L., Bread, Pastry, and Confection Making; Glass; Laminated Fabrics and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Mar. 1	Apr. 15	1,918
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony.	Feb. 16	Mar. 9	1,912
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet Feeding or Delivering; Type Setting.	Apr. 30	Sept. 24	1,141
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices; Steam and Vacuum Pumps.	Feb. 7	Apr. 13	2,082
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Domestic Cooking Vessels; Thermostats and Humidostats.	Feb. 11	May 19	1,123
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Cutlery; Dentistry; Locks and Latches; Safes; Undertaking.	July 6	Sept. 2	1,691
212	21. THURBER, W. L., Continuous-Strip Feeding; Textiles; Textiles, Braiding, Netting, or Lace Making; Textiles, Cloth Finishing; Textiles, Fiber Preparation; Textiles, Knitting; Textiles, Spinning; Textiles, Twisting or Twining; Textiles, Weaving; Winding and Reeling.	Apr. 14	Sept. 22	791
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making.	July 22	Sept. 12	523
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Horology; Recorders; Registers; Sound Recording and Reproducing; Time-Controlling Mechanism.	Feb. 14	Aug. 1	847
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Apr. 13	Sept. 22	1,170
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable Cutters and Crushers; Gas Separation.	Oct. 22	Nov. 14	364
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	May 23	Aug. 16	885
211	27. ANDERSON, L. S., Abrading; Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	May 9	July 2	1,783
225	28. BENSON, A. R., Internal-Combustion Engines.	Feb. 15	June 2	1,744
147	29. MORRIS, B. N., Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	May 5	Nov. 7	759
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Typewriting Machines.	July 7	Nov. 2	1,574
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Fuel and Igniting Devices; Gas, Heating and Illuminating; Hides, Skins, and Leather; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar and Salt.	Feb. 16	Apr. 2	2,127
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.	Apr. 1	Oct. 12	1,070
70	33. COWLES, W. A., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs.	June 13	Apr. 2	808
304	34. SIMPSON, G. R., Electricity Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Nov. 7	Dec. 6	324
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Oct. 19	Oct. 8	751
204	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	Aug. 30	Aug. 2	1,593
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	Apr. 23	Aug. 26	1,772
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	Aug. 1	Aug. 1	1,338
220	39. COWLES, A. W., Fluid-Pressure Regulators; Joint Packings; Multiple Valves; Packed Shaft or Rod Joints; Pipe Joints or Couplings; Rod Joints or Couplings; Valved Pipe Joints or Couplings; Valves; Water Distribution.	Dec. 28	Apr. 7	2,195
273	40. OBERLIN, J. J., Baggage; Bottles and Jars; Check-Controlled Apparatus; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Feb. 23	Apr. 22	2,660
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels.	Aug. 12	Aug. 19	811
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps.	Mar. 24	Mar. 18	1,694
382	43. HOPKINS, F. M., Baths and Closets; Dispensing; Dispensing Beverages; Electricity, Medical and Surgical; Fire Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.	Mar. 15	Mar. 28	1,753
253	44. SHAFER, C. H., Air Guns, Catapults, and Targets; Boats and Buoys; Filling and Closing Portable Receptacles; Marine Propulsion; Railway Draft Appliances; Refrigeration; Ships.	May 19	Nov. 14	539
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices.	July 14	Oct. 15	1,151
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	June 9	Aug. 15	1,327
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems.	Apr. 20	Aug. 20	1,312
118	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications.	Feb. 2	Feb. 26	2,096
163	TRADE-MARKS, DESIGNS, LABELS AND PRINTS: T. L. MEAD, JR.			
	Trade-Marks.	July 7	Dec. 3	4,203
	Designs.	June 6	Dec. 2	2,432
	Labels and Prints.	Jan. 16	Feb. 2	131

PATENTS

GRANTED FEBRUARY 14, 1922.

1,406,162. TYPEWRITING MACHINE. J FRANK ALLARD, Brooklyn, N. Y., assignor to Underwood Type-writer Company, New York, N. Y., a Corporation of Delaware. Filed June 27, 1918. Serial No. 242,128. 19 Claims. (Cl. 197-84.)

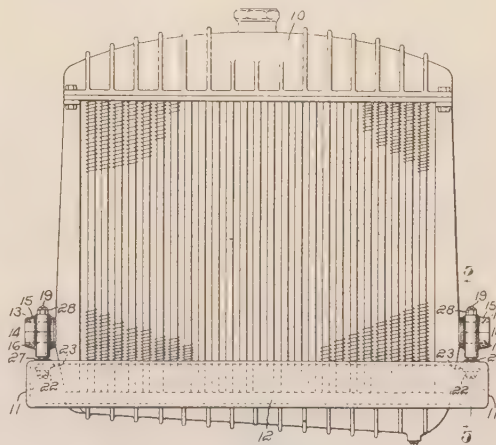


1. In a typewriter, in combination, a carriage, a set of differentiated types, a set of keys, means controlled by said keys for selectively rendering said types effective, case-shift mechanism for selectively varying the types which will be thus rendered effective, a letter-spacing mechanism comprising an adjustable element normally determinative of a single letter-spacing movement of said carriage, but shiftable to a different position determinative of a double letter-spacing movement thereof, operating means for said spacing mechanism controlled by any one of said keys to cause said mechanism to effect a single letter-spacing movement of said carriage, and shifting means for said adjustable element, comprising a normally ineffective universal operating member controlled by any one of a selected set of said keys, and a normally ineffective interponent controlled by said case-shift mechanism, whereby on operating said case-shift mechanism concomitantly with any key of said set, the adjustable element of said spacing mechanism will be shifted, through the intermediary of said universal operating member and said interponent, concomitantly with the operation of said spacing mechanism by its operating means, so as to effect a double letter-spacing movement of said carriage.

1,406,163. RADIATOR MOUNTING FOR MOTOR VEHICLES. FRANS G. ALBORN, Milford, Conn., assignor, by mesne assignments, to The Locomobile Company, Bridgeport, Conn., a Corporation of Delaware. Filed Apr. 14, 1919. Serial No. 289,852. 20 Claims. (Cl. 180-68.)

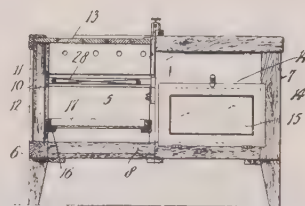
1. In a motor vehicle, the combination of a frame, a radiator having a pair of axially aligned, horizontal

trunnions, a pair of trunnion bearings in which said trunnions are mounted to turn, means supported on said frame



to guide said bearings vertically, and means yieldingly resisting vertical movement of said bearings.

1,406,164. AUTOMATIC ELECTRIC INCUBATOR. WILLIAM J. ANDERSON, Caulfield, near Melbourne, Victoria, Australia. Filed Apr. 5, 1920. Serial No. 371,375. 7 Claims. (Cl. 219-19.)

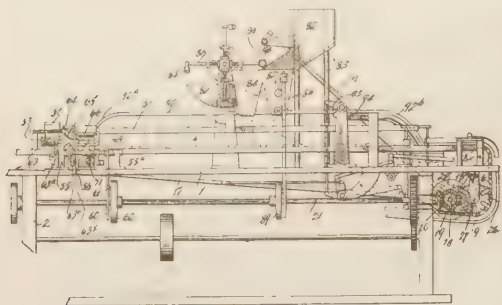


1. An electrically heated incubator having an electrical resistance element, means for supplying current to said element, from a main circuit, an auxiliary circuit, a main circuit breaking device interposed in the auxiliary circuit, and a thermal device in the incubator for automatically opening and closing said auxiliary circuit.

1,406,165. PACKAGING MACHINE. CARL BECKMANN, New York, N. Y., assignor to E. D. Anderson, Inc., New York, N. Y., a Corporation of New York. Filed July 20, 1920. Serial No. 397,625. 15 Claims. (Cl. 93-2.)

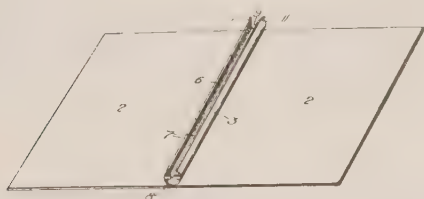
1. The combination of supporting means for receptacles having flaps, flap closers to close flaps of said receptacles, a flap bender above the path of the receptacles, a movable flap bender to push flaps against the first named bender

to form tuck ends on said flaps, means to operate said movable bender, a spring between said flap benders to



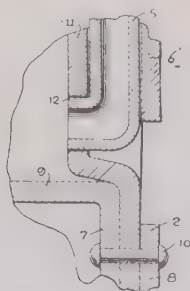
engage flaps to push them from the first named bender, and means to close and tuck said tuck end flaps.

- 1,406,166. RENEWABLE OR LOOSE LEAF BOOK. GEORGE A. BENNETT, Prahran, Melbourne, and FREDERICK B. A. KIRSTEN, Balwyn, Melbourne, Victoria, Australia. Filed Nov. 11, 1920. Serial No. 423,390. 1 Claim. (Cl. 129—1.)



The combination of a resilient leaf holder of channel section, open at at least one of its ends to permit the insertion or withdrawal of the leaves lengthwise; a block of single loose leaves inserted in the channel of the holder through said end and having openings therethrough adjacent its inner corners; and a spring binding tape having its central portion arranged against one face of the block of leaves and its end portions inserted through said openings and projecting beyond the opposite face of said block, the projecting parts of said end portions having a tendency to spring outwards away from each other and from the block but being pressed inwards toward said block consequent upon the insertion of the block in the holder.

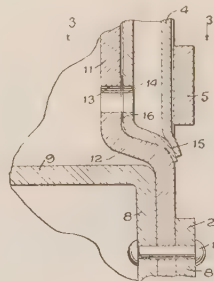
- 1,406,167. ICE-MAKING APPARATUS. ANSON J. BENTLEY, Niles, Ohio. Filed Nov. 8, 1919. Serial No. 336,559. 1 Claim. (Cl. 62—159.)



A freezing can having a channel formed vertically in one wall thereof, said channel being of identical cross

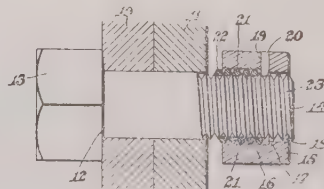
section from the top of the can to a point adjacent the base when said channel is provided with an end wall contacting substantially with the base of the can near the edge thereof, an air tube provided with an integral elbow at one end for insertion in a hole formed in the inner wall of the channel adjacent the lower end thereof, said tube being fastened in said channel and extending from end to end thereof and being securely attached thereto at the lower end to form an air tight conduit opening to the interior of the can, whereby air may be forced through said tube to agitate water in said can during the freezing operation.

- 1,406,168. ICE-MAKING APPARATUS. ANSON J. BENTLEY, Niles, Ohio. Filed Nov. 8, 1919. Serial No. 336,560. 1 Claim. (Cl. 62—159.)



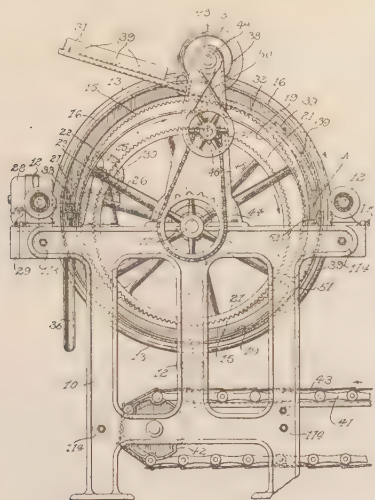
A freezing can having a channel formed vertically in one wall thereof, said channel being of identical cross section from the top of the can to a point adjacent the base where said channel is provided with an end wall contacting substantially with the base of the can near the edge thereof, an air tube having its lower end closed and provided with a hole in its wall adapted to register with a hole in the inner wall of the channel adjacent the lower end thereof, said tube being fastened in said channel and extending from end to end thereof and being securely attached thereto at its lower end to form an air-tight conduit open to the interior of the can, whereby air may be forced through said tube to agitate water in said can during the freezing operation.

- 1,406,169. LOCK NUT. JAMES H. CARR and MARTIN A. POWERS, Winchester, Mass. Filed Feb. 21, 1921. Serial No. 446,794. 7 Claims. (Cl. 151—14.)



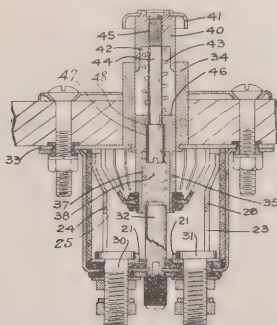
1. A lock nut comprising a washer having at its inner end a cylindrical recess terminating in a shoulder, and a helical spring in said recess having a pitch less than that of the thread of the bolt on which said washer is to be mounted and anchored to said washer at a point near the outer end of said washer.

- 1,406,170. APPARATUS FOR MAKING FOOD PRODUCTS. THOMAS CHARLTON, Chicago, Ill. Filed July 26, 1919. Serial No. 313,564. 28 Claims. (Cl. 146—11.)



1. A machine for making food products from cooked vegetables, embodying means for cutting the vegetable, and means for forcing out the pulp from the skin side of the cut vegetable, the last recited means embodying two co-operating elements one encompassing the other.

- 1,406,171. ELECTRIC SWITCH. WILLIAM A. CHRYST, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Filed May 22, 1916. Serial No. 99,131. 7 Claims. (Cl. 200—159.)

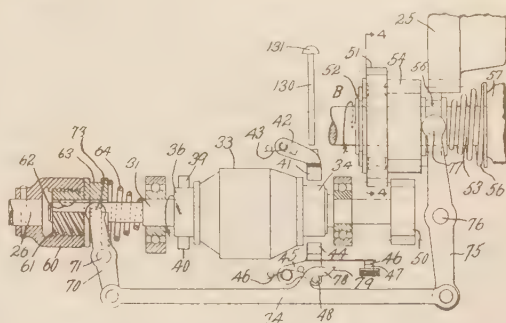


6. In a switch, the combination with a stationary contact and a movable contact; of a movable contact carrying element; means for slidably supporting said carrying element; a pedal also slidably supported by said means and by said carrying element; a spring motion transmitting member between said pedal and said carrying element; and means for separating the contacts when the pedal is released.

- 1,406,172. ENGINE-STARTING SYSTEM. WILLIAM A. CHRYST, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Filed Oct. 23, 1918. Serial No. 259,380. 27 Claims. (Cl. 290—33.)

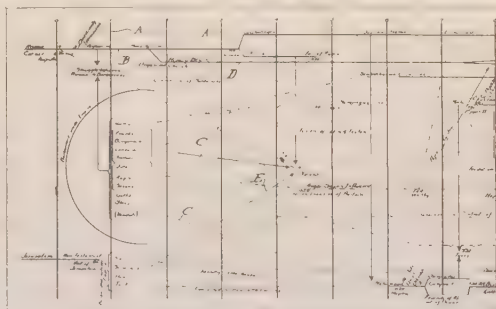
1. In an engine starting system, the combination with an engine and a starting device therefor; means for imparting an initial low torque movement to the starting device to facilitate the connecting of said device with the engine; automatic means rendered operative by said initial movement for connecting the starting device with the

engine and for discontinuing the initial movement of said starting device after the connecting has been substantially



affected; and means for causing the starting device to operate with high torque movement.

- 1,406,173. CHART FOR TEACHING UNIVERSAL HISTORY. GUY DETRICK, Ada, Ohio, assignor of one-half to Frank G. Detrick, Ada, Ohio. Filed Nov. 1, 1920. Serial No. 421,043. 2 Claims. (Cl. 283—1.)



1. An educational chart having spaced substantially parallel lines thereon delineating "period" spaces, lines extending across said period delineating lines to indicate the contemporaneous status and development of the various races of the periods marked off, said last mentioned lines having in the several period spaces in connection therewith just sufficient notations to indicate to the student the particular period, whereby he may recognize the period in reading his text book, there being space upon the chart adjacent each of said lines for additional notations whereby the status and development in each period may be completed in extenso by the student.

- 1,406,174. PROCESS OF MAKING INSULATING AND BRINE AND WATER PROOF MATERIAL. JAMES P. ELLIOTT, Oak Park, Ill.; Mary Broders Elliott executrix of said James P. Elliott, deceased. Filed Nov. 23, 1917. Serial No. 203,508. 4 Claims. (Cl. 94—71.)

4. The process which consists in intimately mixing with wet pulp finely-divided fusible material capable of resisting the action of acids and brines and having insulating properties, compressing the wet mixture so as to drive out a large part of the water without changing the character of said fusible material, coating the mass with baking or stoving japan, and baking the mass at a temperature high enough to fuse said fusible material.

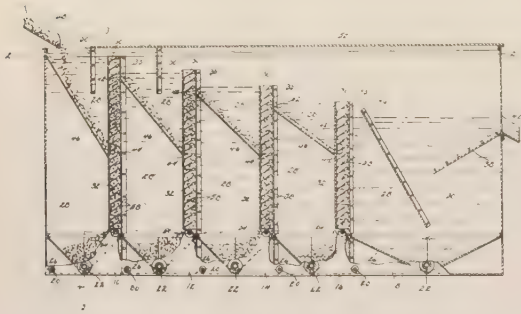
- 1,406,175. PAINT AND VARNISH REMOVER. CARLETON ELLIS, Montclair, N. J., assignor to Chadeloid Chemical Company, a Corporation of West Virginia. Filed Dec. 31, 1920. Serial No. 434,396. 5 Claims. (Cl. 87—5.)

3. A paint and varnish remover comprising hydronaphthalene, an alcoholic solvent miscible therewith and a few per cent of wax.

1,406,176. PROCESS OF TREATING MATCH COMPOSITIONS AND THE PRODUCT THEREOF. WILLIAM A. FAIRBURN, Morristown, N. J., assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed June 7, 1921. Serial No. 475,612. 7 Claims. (Cl. 52—27.)

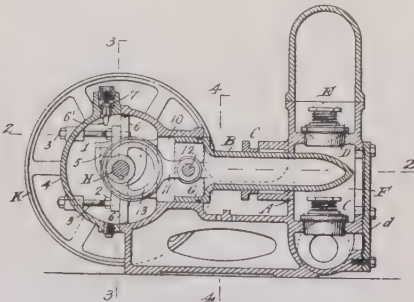
2. In the manufacture of matches, the process comprising agitating match head composition in the presence of gas to produce an aggregation of minute gas globules within the composition, dipping match splints in the composition to produce match heads, and then drying said heads.

1,406,177. SEPARATING AND CLASSIFYING APPARATUS. LEWIS H. FALLEY, Kansas City, Mo. Filed May 27, 1919. Serial No. 300,131. 8 Claims. (Cl. 83—82.)



1. An apparatus of the character described comprising a settling tank, a partition dividing said tank into a downflow settling compartment and an upflow settling compartment, means for feeding the material to be treated into the upper end of said downflow compartment, fluid-supply means communicating with the tank at the lower end of said upflow compartment, and a plurality of deflecting elements within said upflow compartment and arranged to produce cross-currents at various elevations therein, said partition being provided with a passage affording communication between said compartments above the lower end of said upflow compartment.

1,406,178. PUMP. WILLS M. FLEMING, Holyoke, and NELSON E. BRIGHAM, South Hadley Falls, Mass., assignors to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Jan. 27, 1921. Serial No. 440,283. 9 Claims. (Cl. 103—75.)



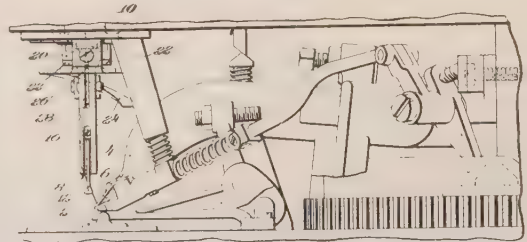
1. A pump comprising a frame having a pump cylinder and crosshead guide integral therewith, an outside packed pump plunger and crosshead working in said cylinder and guide, a shaft and connection to the cross-head for reciprocating said plunger, and a sectional crank casing having a removable section at the shaft end of the pump in line with the crosshead, whereby the crosshead guide and plunger opening may be machined from the outer end of the pump.

1,406,179. SNAP FOR JEWELRY. CHARLES A. FORD, East Orange, N. J. Filed Apr. 27, 1921. Serial No. 464,855. 3 Claims. (Cl. 24—216.)



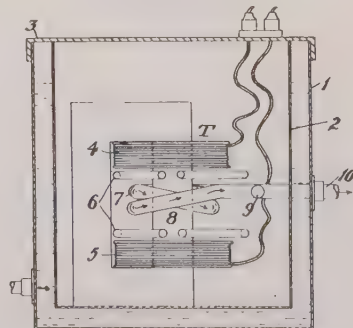
1. A snap for jewelry comprising one member of flat material with a headed stud thereon and means at one end for securing it to an element, and a second member, the member having a hole therein and a slit extending from one edge to the hole, the member having means on one end for securing it to an element and for manipulating the said second member to release it.

1,406,180. SEWING MACHINE. JOSEPH FOSSA, New York, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 23, 1918. Serial No. 224,264. 6 Claims. (Cl. 112—65.)



1. A sewing machine, having, in combination, overseam stitch forming devices comprising a needle, a thread guiding finger for guiding the waste end of the needle thread into position to be covered by the overseam stitches, and means for maintaining said finger in fixed relation to the needle path during its guiding action on the thread.

1,406,181. ELECTRIC WATER HEATER. ROBERT JOHN FROST, Clayton, Victoria, Australia. Filed Aug. 27, 1920. Serial No. 406,452. 3 Claims. (Cl. 219—47.)



1. An electric heater comprising a core, a primary winding therefor, divided into two coils, a liquid conductor between said coils forming a secondary winding, and a liquid conduit communicating with the inlet and discharge ends of the conductor and electrically short circuiting the latter.

- 1,406,182. DRAIN TILE. CAPTAIN PERRY FUNK, Wooster, Ohio. Filed Sept. 29, 1920. Serial No. 413,631. 1 Claim. (Cl. 61—11.)

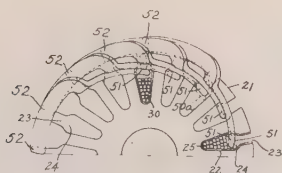


A drain tile of plastic material having a plurality of rows of perforations through the wall thereof, the said perforations extending diagonally in the direction of the length of the tile and being parallel to each other both laterally and longitudinally, the said tile also having one end smooth and the other end formed with a plurality of notches therein.

- 1,406,183. SOLVENT FOR PRINTERS' INKS. HARRY G. GHEGAN, Camden, N. J., assignor of one-third to Samuel R. Dickinson, Camden, N. J., and one-third to Millard M. Katz, Philadelphia, Pa. Filed Oct. 25, 1919. Serial No. 333,364. 3 Claims. (Cl. 87—6.)

3. The method of cleansing printers' inks from an article, which consists in applying a solution of kerosene and alcohol to the article to dissolve the ink, and then removing the ink-containing solution from the article.

- 1,406,184. ARMATURE FOR DYNAMO-ELECTRIC MACHINES. NELSON R. HAAS, Dayton, Ohio, assignor to the Dayton Engineering Laboratories Company, a Corporation of Ohio. Filed July 14, 1919. Serial No. 310,789. 13 Claims. (Cl. 171—206.)

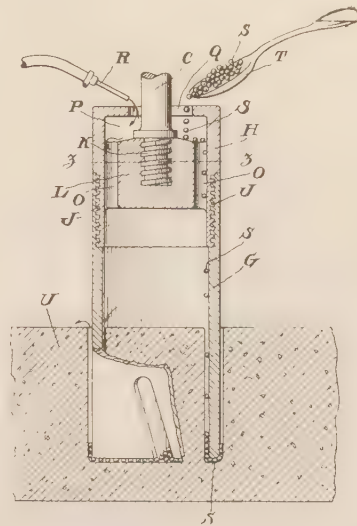


1. In an armature of a dynamo-electric-machine, the combination with an armature core having a cylindrical periphery and provided with spaced grooves extending from the periphery, each of the said grooves having a relatively narrow portion adjacent said periphery and a relatively wider portion farther removed from said periphery; a plurality of bar conductors arranged to occupy the wider and narrower portions of said grooves and means for conducting current to and from said bar conductors.

- 1,406,185. SHOT BIT. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New York. Filed July 29, 1920. Serial No. 399,660. 3 Claims. (Cl. 255—72.)

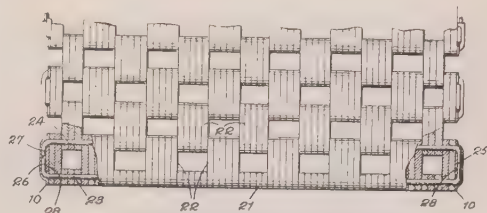
1. A shot bit for core drills comprising a single walled cylindrical cutting portion, a head portion of the same external diameter removably secured thereto, the internal diameter of said head portion being slightly less than that of the cutting portion, said head portion having an integral central body portion to which the operating spindle is adapted to be secured, said body portion separating the interior of the bit into upper and lower chambers, and being provided with longitudinal passages at the outer sides connecting said chambers and the top

of the drill head enclosing the upper chamber having a central opening around the spindle whereby the cutting material may be deposited in the upper chamber directly



from an outside source and fed by centrifugal force through said longitudinal passages and around the interior surface of the cutting portion to the cutting edge.

- 1,406,186. LOCK AND SHIELD FOR FOOT MATS. FRANK B. HELGES, Elizabeth, N. J. Filed May 4, 1921. Serial No. 466,652. 5 Claims. (Cl. 20—78.)

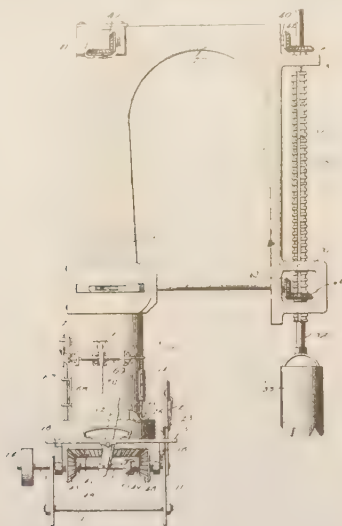


1. A lock and shield of the character described comprising a cap element having a recessed body with ribs protruding in opposite lateral directions from opposite parts of the body, and a pliable clip element adapted to be disposed across the entrance of the body and over the rod for being bent into clamping engagement with the ribs of the body of the cap element.

- 1,406,187. POWER POSTHOLE AUGER. LESTER J. MERDLITCHKA, Humboldt, Nebr. Filed Dec. 20, 1920. Serial No. 431,958. 10 Claims. (Cl. 255—22.)

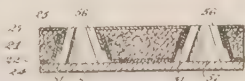
1. In a power post-hole auger, a support including spaced side members, a main shaft rotatably journaled in said support, a base having depending bearings journaled on said main shaft, means for controlling the position of the base relative to the support including a rock shaft, an arm fixed to said rock shaft, a bracket fixed to said base, a curved link connecting said arm and said bracket, a hand lever fixed to said rock shaft, a spring pressed detent carried by said hand lever and a coating rack segment fixed to said support, a column rotatably journaled in said base, an arbor integral with the upper end of the column and having a depending arm provided with spaced bearings, a drill rod arranged

in the bearings of said arm having a bit at its lower end, and means for driving the drill rod from the main



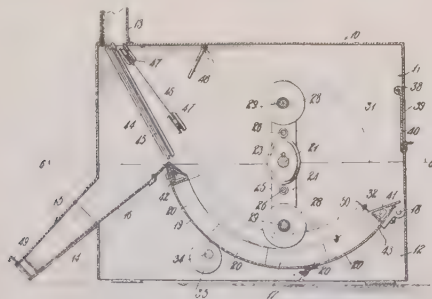
shaft in either direction and feeding mechanism for the drill rod actuated from the main shaft.

1,406,188. LATH BOARD AND METHOD OF MAKING THE SAME. WILLIAM D. HICKS, Inglewood, Calif. Filed July 29, 1920. Serial No. 399,696. 10 Claims. (Cl. 154-2.)



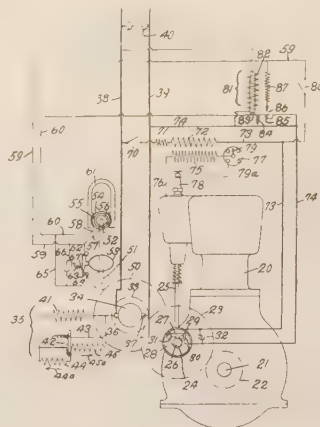
1. A lath board, comprising inner and outer facing sheets, and a composition filler interposed between said sheets, the filler being formed with rows of spaced slots, and the sheets formed with openings registering with said slots, and the sides of the slots being lined with overlapping flaps turned into the slots from the facing sheets.

1,406,189. CRUSHING MACHINE. WILLIAM M. HOPPIN, Sharon Hill, Pa. Filed Oct. 2, 1920. Serial No. 414,220. 3 Claims. (Cl. 83-11.)



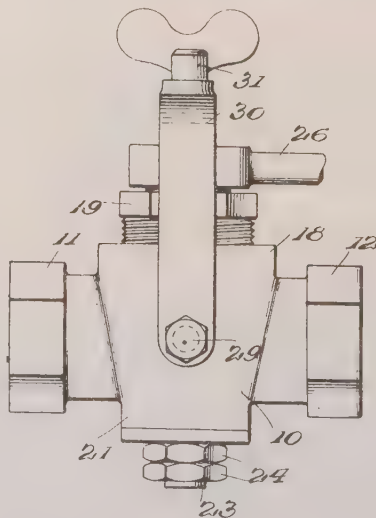
1. A machine of the character described including rotatable crushing means; a curved bed positioned below the path of movement of said crushing means, the curvature of said bed being eccentric to the axis of rotation of said crushing means and of greater radius; means for movably supporting said bed whereby one end of the bed which projects beyond the path of rotation of said crushing means can be moved upwardly and downwardly; and a screen mounted independently of said bed and out of the path of said crushing means, said end of the bed, due to its movement, being capable of deflecting crushed material at various tangent angles with respect to said screen; substantially as described.

1,406,190. IGNITION SYSTEM. JOHN H. HUNT, Dayton, Ohio, assignor to the Dayton Engineering Laboratories Company, a Corporation of Ohio. Filed Mar. 24, 1919. Serial No. 254,806. 16 Claims. (Cl. 123-148.)



1. In an ignition system, the combination with an engine; of a dynamo-electric machine for providing starting ignition current; another dynamo for supplying running ignition current; connections between the second dynamo and the engine; relatively high speed gearing between the second dynamo and the first dynamo; and speed responsive means to disconnect said high speed gearing.

1,406,191. FUEL VALVE. ROBERT H. IRVING, Gramercy, La. Filed July 18, 1919. Serial No. 311,699. 3 Claims. (Cl. 251-91.)

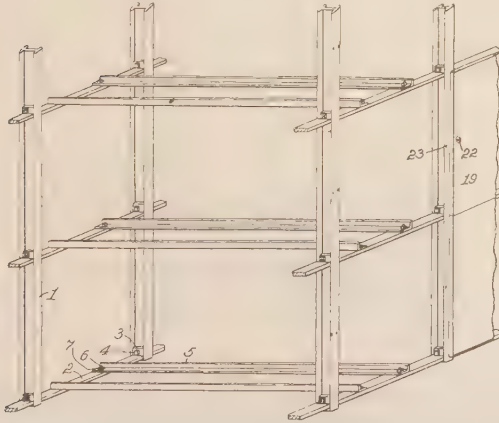


1. A valve including a valve body having a tapered inlet passage and a discharge passage, and a rotatable valve plug carried by the valve body and provided with an unobstructed Venturi passage therethrough adapted to register at its smaller end with the smaller end of the inlet passage and at its opposite end with the discharge passage.

1,406,192. SECTIONAL INCLOSURE. GEORGE COLVIN KENNEDY, Waterloo, Iowa. Filed Aug. 22, 1919. Serial No. 319,282. 1 Claim. (Cl. 211-14.)

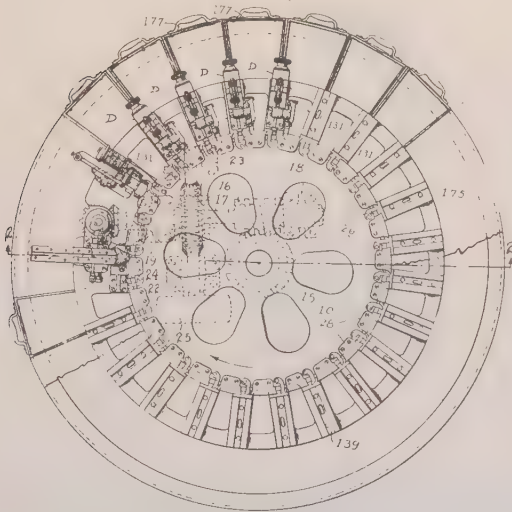
An inclosed hollow structure, formed of disconnectably assembled connected parts, comprising spaced standards, transverse connections between adjacent standards, spaced

longitudinal bars supported on said connections, longitudinal connections between said standards, transverse



face-plates covering the transverse openings between the standards, and longitudinal plates covering longitudinal openings between outer standards of said structure.

1,406,193. ROLL-GAUGING MACHINE. BERT M. KENT, Cleveland, Ohio, assignor to The Standard Parts Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 19, 1920. Serial No. 397,377. 33 Claims. (Cl. 83—92.)

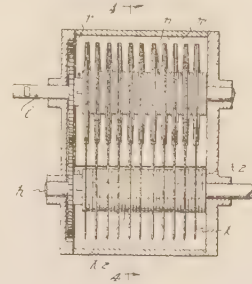


1. In a gauging machine, a carrier, a gauging block and a pair of grippers having beveled faces on said carrier, resilient means for closing said grippers on an article, whereby said beveled faces force the article against said block, and gauging means in cooperative relation with said carrier.

1,406,194. VEGETABLE-SLICING MACHINE. VALENTINE KESEL, Detroit, Mich. Filed Apr. 27, 1921. Serial No. 464,898. 7 Claims. (Cl. 146—11.)

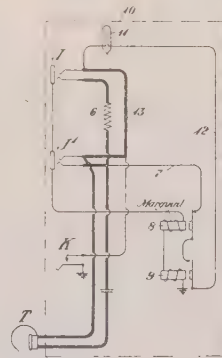
1. In a vegetable cutter, in combination, a rotatably journaled cutter element carrying a plurality of spaced-

apart, substantially parallel cutter discs, a rotatably journaled feed element carrying a plurality of spaced-apart, substantially parallel pairs of feed discs, said feed discs in pair spaced-apart at the center where fastened



to the shaft but so shaped as to be held yieldingly toward each other at the periphery, said cutter element so positioned relative the feed element that the cutter discs pass each between the separate members of a pair of feed discs.

1,406,195. TESTING APPARATUS FOR TELEPHONE SWITCHBOARD CORDS. GEORGE W. KUHN, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 11, 1920. Serial No. 429,995. 3 Claims. (Cl. 179—175.)

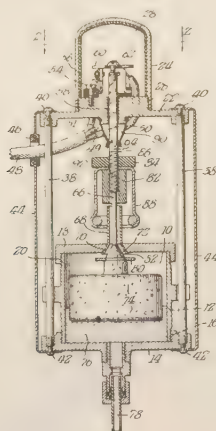


3. A testing system comprising a link circuit, conductors having terminals included in said circuit, a portable test set adapted to be associated with said terminals, means in said test set responsive to such association for testing the continuity of the sleeve conductor of said link circuit, a circuit controlled by the actuation of said means for testing the continuity of the tip and ring conductors of said circuit, and means associated with the controlled circuit for indicating the result of such tests.

1,406,196. ELECTRIC LIQUID-LEVEL INDICATOR. WILLIAM S. LA LONDE, Evanston, Ill. Filed Oct. 14, 1920. Serial No. 416,874. 5 Claims. (Cl. 137—102.)

1. In mechanism of the class described, a liquid tank having a cover provided with a perforation, a tube ex-

tending through said perforation, a float in the tank having a spindle extending through said perforation, and an

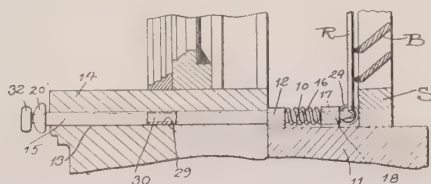


umbrella like hood on said spindle beyond the end of the tube overlapping the ends of the tube, for the purposes set forth.

1,406,197. PROCESS OF VULCANIZATION. EDGAR LEVINSTEIN, Boston, Mass. Filed Oct. 7, 1920. Serial No. 415,265. 3 Claims. (Cl. 18—53.)

1. That process of vulcanization characterized by heating rubber with barium thiosulphate.

1,406,198. OPERATING MECHANISM FOR WINDOW SHUTTERS, BLINDS, AND THE LIKE. ANTHONY BRINTON LONGENBAUGH, Crowley, La. Filed Feb. 14, 1921. Serial No. 444,881. 2 Claims. (Cl. 268—14.)



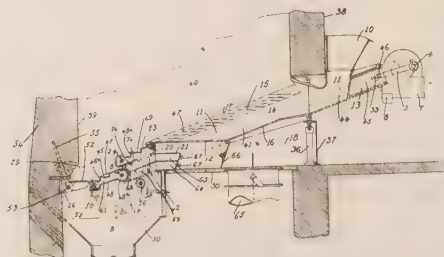
1. The combination with a window casing embodying the usual window and pivoted blind therefor, the blind being provided with the usual pivoted slats having an operating rod connected thereto, of a tubular shaft mounted in said casing for rotary movement, operating means connected to the blind, said means being movably engaged with and operated by the tubular shaft, a rod extending through said tubular shaft for rotary movement therein, one end of the rod having an arm disposed at right angles to said rod, said arm being adapted to engage the operating rod of the slats to move said slats independently of the blind.

1,406,199. MECHANICAL STOKER. EDWIN LUNDGREN, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 16, 1917. Serial No. 175,202. 15 Claims. (Cl. 110—44.)

1. In combination with a progressive feed furnace grate, a discharge mechanism at the lower edge of the grate comprising a hollow swinging dump grate having an air chamber therein adapted to supply air at the dump grate surface, an air supply chamber adjacent the dump grate, and means along the lateral edge of the dump grate for receiving air from the supply chamber.

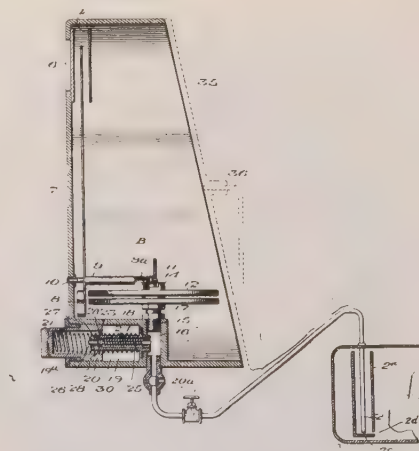
8. In combination in a stoker, a plurality of inclined retorts alternating with rows of air supplying means,

means for feeding fuel into said retorts, a series of relatively movable overfeed grate sections having air delivery passages therein, regulable means for imparting motion to each grate section, a dump grate mechanism receiving fuel from the grate sections, independently regulable means for delivering air under pressure through said air supplying means, the said air delivery passages in the underfeed grate sections and said dump grate to the fuel bed.



14. In combination in a stoker, a swinging dump grate mechanism comprising a hollow grate having air delivery passages in the fuel supporting walls thereof, means for delivering forced draft under pressure to the interior of said hollow grate, and means for automatically shutting off the supply of air when the dump grate mechanism is discharging clinker and ash.

1,406,200. INDICATING DEVICE. ROSS F. MACMICHAEL, Pittsburgh, Pa., assignor to The G. Piel Company, Inc., Long Island City, N. Y., a Corporation of New York. Filed Jan. 26, 1917. Serial No. 144,738. 17 Claims. (Cl. 73—110.)

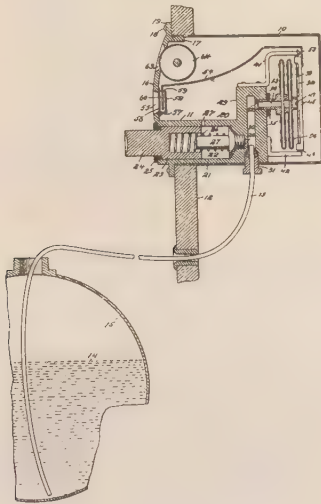


1. In a liquid depth indicator device a pressure gage comprising an expansible diaphragm, means for exerting pressure on the diaphragm, a collar on the diaphragm, a shaft provided with a flattened portion intermediate its ends, one edge of the flattened portion resting upon the collar and adapted to be turned thereby upon expansion of the diaphragm, and indicating means operated by the shaft.

1,406,201. GASOLINE GAUGE. ROSS F. MACMICHAEL, Hayden, Ariz., assignor to The G. Piel Company, Inc., Long Island City, N. Y., a Corporation of New York. Filed Feb. 16, 1918. Serial No. 217,672. 19 Claims. (Cl. 73—54.)

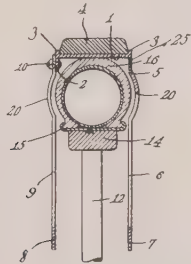
1. In a device of the class described, the combination of a pressure controlled device having a straight line operating movement in one direction, a pressure indicating

mechanism including a pivotally mounted rocking bar in light bearing engagement with and mechanically disconnected from said device, an indicating pointer operatively connected so as to be actuated by the rocking of said bar and adjustable means disposed between the pressure con-



trolled device and said rocker-bar for transmitting the operating movement of said device to said bar thereby to cause the bar to rock and thus actuate the pointer said pressure controlled means being free to move away from said adjustable means without drawing said adjustable means with the pressure controlled means.

1,406,202. TIRE PROTECTOR. CHARLES P. MCWANE, Birmingham, Ala. Filed June 15, 1920. Serial No. 389,112. 1 Claim. (Cl. 152—33.)

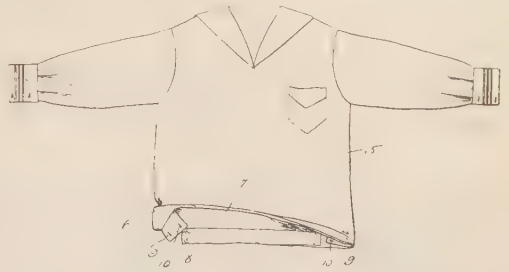


A tire protector comprising a one-piece structure including a base, an inwardly projecting continuous flange along one edge of the base, said flange having circumferentially spaced unencumbered openings which are flush with the base, the openings providing for the egress of dirt and facilitating the formation of said flange, spokes projecting from said flange, and a ring carried by the inner ends of the spokes; a second ring having projecting spokes; and means for connecting the spokes of the second ring to the other edge of the base, detachably.

1,406,203. GARMENT. MORRIS E. MENAKER, Baltimore, Md., assignor to Maass & Kemper, Inc., Baltimore, Md., a Corporation of Maryland. Filed Dec. 1, 1921. Serial No. 519,043. 2 Claims. (Cl. 2—98.)

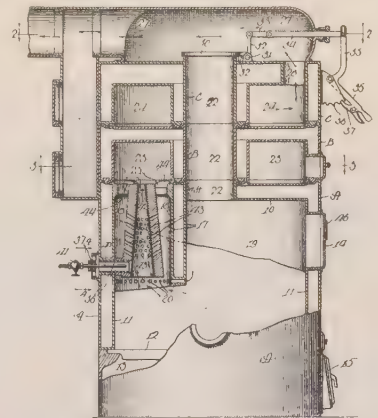
1. A blouse having a foldable bottom portion, waist-en-

circling belt sections secured to the inside of the blouse at their top longitudinal edges, the connection being at the



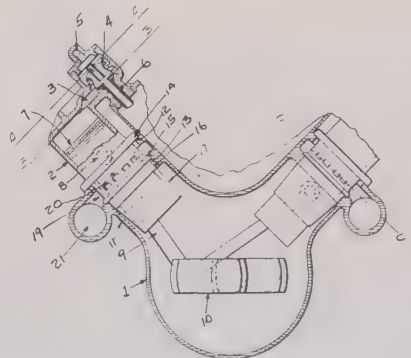
line of the fold, and means for connecting the ends of the belt sections.

1,406,204. HEATING DEVICE. GEORGE MENDER, Oak Park, Ill. Filed Aug. 12, 1918. Serial No. 249,428. 5 Claims. (Cl. 110—64.)



1. A heating device comprising walls forming a fire box for burning coal or the like, a grate in the lower part of the fire box for supporting the fuel, means for supplying air to the fuel, walls forming an open-ended flue for the gases of combustion extending downwardly within the fire box to a region below the top surface of the fuel normally in the fire box, walls forming a continuation of said flue to the exterior of the heater, and a mass of heat absorbing material within said flue and near the lower opening thereof.

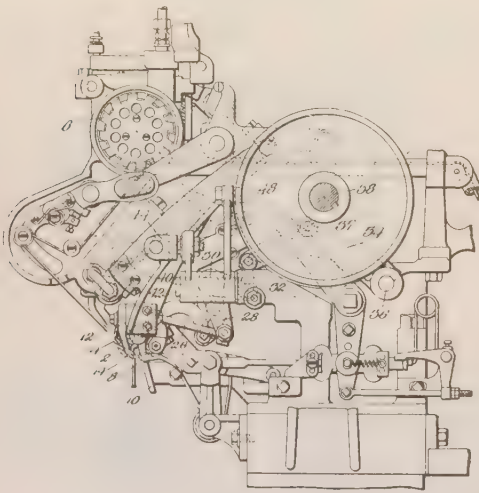
1,406,205. ENGINE. ROBERT F. METCALFE, Erie, Pa. Filed Oct. 27, 1919. Serial No. 333,792. 4 Claims. (Cl. 121—125.)



1. In an engine, the combination of a frame having two circumferential seats spaced apart, one a supporting seat

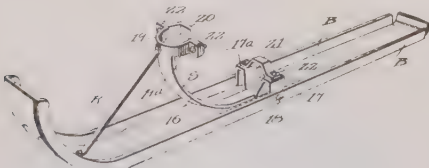
and the other a closing seat; a chamber opening to the space between the seats; and a cylinder having a shoulder resting on and making closure with the supporting seat, the power end of the cylinder extending in a direction from the supporting seat opposite the closing seat and the opposite end of the cylinder extending through the supporting seat and the closing seat and making closure with the closing seat, the cylinder having exhaust ports extending through its wall into the space between the seats.

1,406,206. WAX-THREAD SEWING MACHINE. WILLIAM C. MEYER, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Apr. 28, 1917, Serial No. 165,107. Divided and this application filed Jan. 19, 1920. Serial No. 352,585. 9 Claims. (Cl. 112—41.)



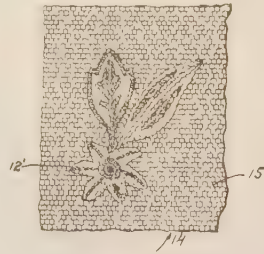
1. A wax thread sewing machine having, in combination, stitch forming devices including a hook needle, a work engaging device, a movable carrier therefor, means for moving the carrier, a fixed heating device, and devices acting to maintain a direct and continuous heat conducting connection between the heating device and the carrier during the movements of the carrier.

1,406,207. SLEIGH RUNNER FOR MOTOR VEHICLES. HERBERT TYLER MILLER, Rochester, N. Y. Filed Mar. 2, 1920. Serial No. 362,646. 1 Claim. (Cl. 280—13.)



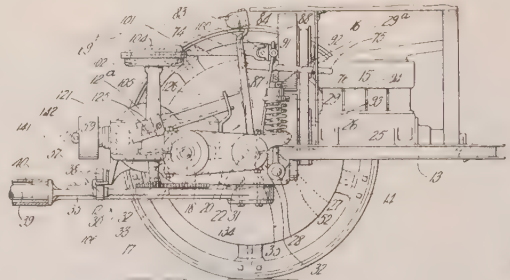
A sleigh runner attachment for vehicle wheels comprising a channel bar curved at its forward end, a saddle arranged on the bar and comprising a single length of metal bent to provide a curved body, a pair of U-shaped arms on one end of the body and secured to the bar between and to the flanges thereof, and a second pair of arms on the opposite ends of the body, and plates of angular formation detachably secured to said pairs of arms and cooperating therewith to form clamps.

1,406,208. ORNAMENTAL TEXTILE. SEAMAN MILLER, New York, N. Y. Filed Mar. 25, 1919. Serial No. 284,924. 1 Claim. (Cl. 2—147.)



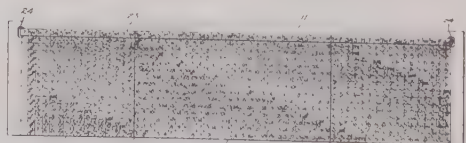
In an ornamental tapestry, a loom-woven background comprising wide coarse woof threads lying substantially in the same plane, and warp threads passing over and under alternate woof threads respectively, the parts of said warp threads passing over said woof threads upstanding above the latter so as to cover substantially the greater part thereof, and ornamental petit-point embroidery comprising close-lying threads of the same coarseness as, and substantially similar to, the threads used in said background superimposed upon said background and drawn tightly down thereon to appear substantially in the same plane as said background.

1,406,209. FARM TRACTOR. CORNELIUS MURNANE, Carlton, near Melbourne, Victoria, Australia. Filed Feb. 10, 1919. Serial No. 276,138. 13 Claims. (Cl. 180—12.)



1. A tractor comprising a frame, traction wheels supporting said frame, means for the independent vertical adjustment of said traction wheels, a propulsive motor mounted on said frame, steering mechanism on said frame, propulsive gearing on said frame engaging said traction wheels, distinct and independent transmission elements connecting said propulsive motor with said steering mechanism and with said propulsive gearing, and a set of reins controlling said independent transmission elements.

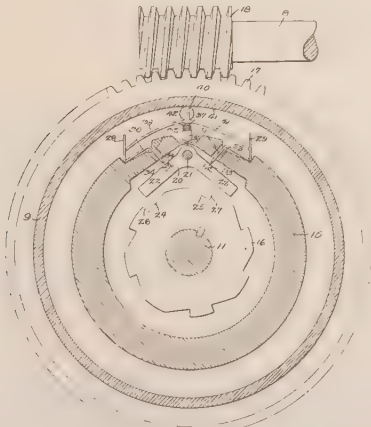
1,406,210. CATAMENIAL CALENDAR. JOHN L. MURRAY, Audubon, N. J. Filed Dec. 3, 1919. Serial No. 342,143. 4 Claims. (Cl. 40—107.)



4. A calendar having indices, serially and continuously disposed, for indicating successively the days of

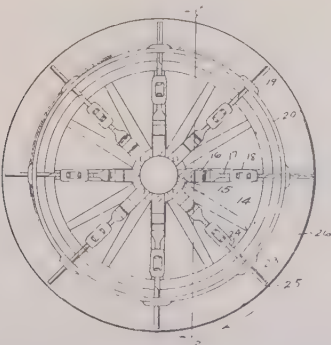
the year and of the month thereof in correspondence with said months, said indices being grouped in successive lines said lines having an arbitrary number of days each and each calendar of a different predetermined number of days to the line; a continuous strip, and a transparent member having imprinted thereon, in straight line groups, at different angles, indices for grouping days of successive months, disposed at regular intervals, and a vertical line group, which derives its specificity of interval from the calendar selected, and from which, by angular deviation, the other straight line groups derive their respective increment or decrement of interval.

- 1,406,211. DIFFERENTIAL CLUTCH GEARING.
GEORGE W. MYERS, Philadelphia, Pa. Filed June 6, 1919, Serial No. 302,324. Renewed Dec. 29, 1921. Serial No. 525,743. 4 Claims. (Cl. 74—7.)



1. The combination of a driving axle made in sections; a traction wheel on each section; a ratchet connected to each of said axle sections; independently mounted pawls for engagement with said ratchets; rotatable means to which said pawls are attached; common driving means; independently mounted members carried by said rotatable means and having a limited independent movement in opposite directions, said members having portions for engagement with said driving means; and means providing a resilient connection between said members and their respective pawls whereby the pawls will be moved in opposite directions into driving engagement with their ratchets upon said independent movement of said members in opposite directions; substantially as described.

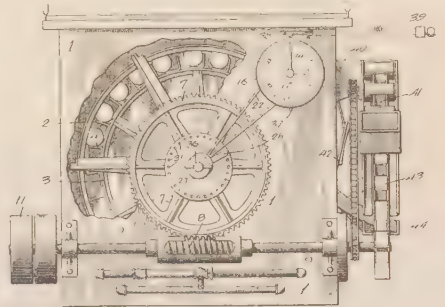
- 1,406,212. TRACTION MEANS FOR AUTOMOBILES.
AUGUST W. NELSON, Spokane, Wash. Filed Sept. 30, 1920. Serial No. 413,783. 3 Claims. (Cl. 301—38.)



3. Traction means for motor driven vehicles comprising ing prongs slidably adjusted through openings in the

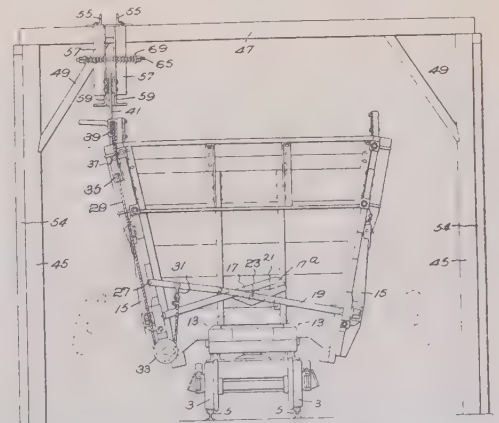
periphery of the wheels strengthening plates attached to such periphery at such openings, resilient portions connected with the inner ends of the prongs, an annular flange attached to the hub of the wheel and the inner ends of the resilient portions connected with said flange.

- 1,406,213. INDICATING MECHANISM FOR ROTARY HELICAL COOKERS. NIELS NIELSEN, Pittsburg, Calif. Filed Jan. 11, 1921. Serial No. 436,590. 1 Claim. (Cl. 126—272.)



The combination with a helical cooker for cooking canned products and having intermediate delivery ports therein of a rotatably mounted dial graduated peripherally to indicate various longitudinal and peripheral positions of said cooker, said dial being provided with an annular ratchet; a stationary indicator mounted adjacent the dial; a pair of oppositely disposed pawls arranged to engage said ratchet; a cam mounted upon the cooker and arranged to be normally rotated therewith and adapted for independent movement relatively to the cooker for adjusting purposes; connections mounted between the cam and the pawls for alternately actuating said pawls to rotate the dial whereby the position of a designated can within the cooker may be determined; an electrically operated alarm having a circuit closing element mounted adjacent the dial; and a pin arranged to be adjustably mounted upon the dial at any desired point upon the periphery thereof adapted to engage the circuit closing element to operate the alarm to warn an operator of the arrival of said designated can at a predetermined point within the cooker.

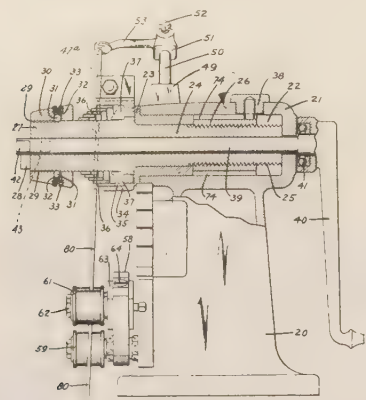
- 1,406,214. DOOR. ALMON E. NORRIS, Brookline, Mass., and JOHN ECKS, Milwaukee, Wis., assignors to The Mead-Morrison Manufacturing Company, East Boston, Mass., a Corporation of Maine. Filed Dec. 6, 1915. Serial No. 65,388. 13 Claims. (Cl. 214—63.)



1. The combination with a car having doors, of controlling means therefor including a member mounted on

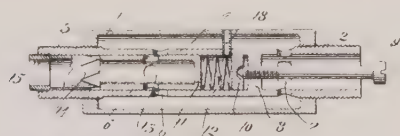
said car, a stationary frame, and spring-pressed bars carried by the latter for gripping said member to shift the same and actuate said doors as the car travels past said support.

- 1,406,215. COIL-WINDING MACHINE. WILLIAM L. O'BRIEN and OWEN H. SPENCER, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Filed Dec. 11, 1919. Serial No. 344,121. 28 Claims. (Cl. 140—92.2.)



1. The method of forming a coil having a plurality of transversely disposed flat layers, which consists in forming one layer by starting from the outside and winding toward the inside in a conical spiral form so that consecutive turns of each layer are located nearer to the axis of the coil than the preceding turns and then forming the next layer by winding the consecutive turns from the inside toward the outside of the coil in a flat spiral form, so that the consecutive turns are located at increasing distances from the axis of the coil, and collapsing the conical spiral formed turns against the flat spiral turns while the latter are being wound.

- 1,406,216. PRESSURE VALVE. CHARLES J. OLSON, Muskegon, Mich., assignor to The Olson Pneumatic Saw and Valve Company, Indianapolis, Ind. Filed July 30, 1919. Serial No. 314,277. 6 Claims. (Cl. 137—153.)

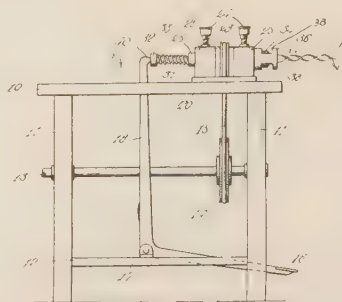


1. A governor for fluid-operated engines comprising a casing, a cylinder in said casing spaced therefrom to provide a compartment, ports establishing communication between said cylinder and said compartment, a partition within the cylinder between the ports therein whereby fluid admitted through one end of the cylinder must flow through the compartment to the opposite end of the cylinder, a piston slidable in said cylinder to control the ports at the last-named end of the cylinder and operable by back pressure of the fluid to permit flow to the engine in proportion to the load on the engine, and a vent leading from the interior of the cylinder at the rear of the piston through the casing to the exterior of the same.

- 1,406,217. TWISTER FOR CARPET STRIPS AND THE LIKE. WALTER E. OLSON, Chicago, Ill. Filed July 8, 1920. Serial No. 394,653. 11 Claims. (Cl. 118—39.)

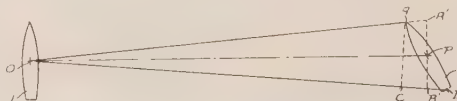
4. A twister of the class described comprising a pair of cooperating rotating clamping members telescopically

mounted, means for continuously rotating the outer of said telescoping members, and means for axially moving



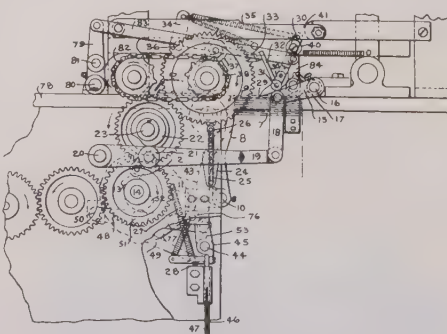
the inner of said members within said continuously rotating outer member.

- 1,406,218. METHOD OF DETECTING THE COURSE OF A SHIP. HENRY A. ORR, U. S. Navy, assignor to Government of the United States. Filed July 9, 1919. Serial No. 309,771. 2 Claims. (Cl. 33—46.)



1. The method of obtaining data for plotting, relatively to an observing station, an elongated object of known length isolated from the observing station and at a known distance therefrom, consisting in sighting the object from the observing station to ascertain its angular position relatively to said observing station, optically measuring the angle subtended by the object's apparent length as viewed from the observing station, observing the relative position of a specified end of the object, determining by inspection the magnitude, within certain limits, of the angle included between a straight line extending from the observing station to the object and the longitudinal axis of the latter, and solving the triangle formed by the sight lines from the station the two ends of the object and the longitudinal axis of the object to obtain the value of said specified angle.

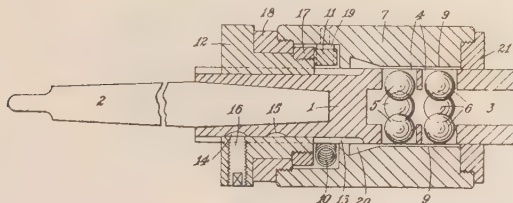
- 1,406,219. PACKING AND BOXING MACHINE. STANISLAUS PALMOWSKI, New York, N. Y. Filed June 29, 1920. Serial No. 392,821. 1 Claim. (Cl. 271—42.)



In an apparatus of the class described, means for retaining a stack of containers in position, means for engaging the top one of said containers while retained in said position, means for disengaging said retaining means and

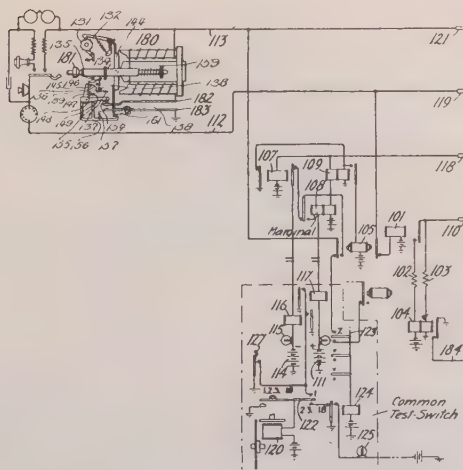
for shifting said engaged container, said means for retaining said containers in position comprising fingers for pressing upon said containers, and a stop for retaining the same in alignment after said fingers have been removed, said fingers and stop being adapted to shift out of position so that said top container may be moved from the stack.

1,406,220. TOOL HOLDER. GEORGE FREDERICK PICKETT,
London, England. Filed July 2, 1920. Serial No.
393,732. 5 Claims. (Cl. 279--81.)



1. In a tool holder means for converting the grip into a rigid floating grip, comprising in combination a body portion, a plurality of tool gripping elements therein, a sleeve rotatable about and longitudinally movable upon said body portion and cam grooves in said sleeve co-operating with said gripping elements to produce a rigid grip in one longitudinal position and a floating grip in another longitudinal position of said sleeve and to release the grip when said sleeve is rotated in one direction.

1,406,221. TELEPHONE-EXCHANGE SYSTEM. LIPA POLINKOWSKY, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 5, 1919. Serial No. 301,932. 11 Claims. (Cl. 179—18.)

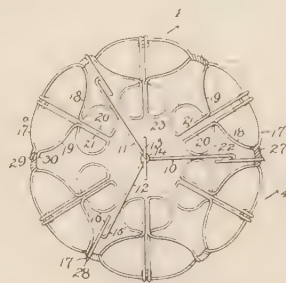


1. In a telephone system, subscribers' lines, means for establishing a connection between two of said lines, a multi-position testing switch for testing said lines, and means responsive to the disestablishment of said connection for operating said testing switch.

1,406,222. EGG HOLDER. ANDREW POLO and JOSEPH ANELLI, Newark, N. J. Filed Mar. 15, 1921. Serial No. 452,431. 4 Claims. (Cl. 53—1.)

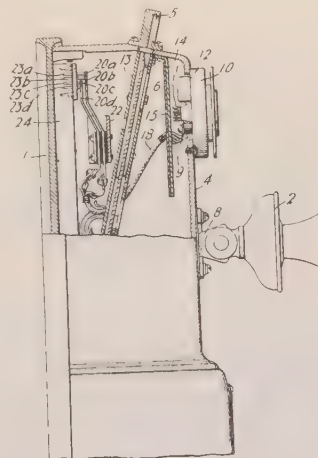
1. An egg holder comprising a support with a central stem for suspending it, and a series of egg holding loops

comprising inner curved strands and outer curved strands, each being adapted to spread, the inner strand being of a



curvature much less in diameter than the outer, and the outer being slightly less in diameter than the largest diameter of the egg.

1,406,223. TELEPHONE SUBSTATION APPARATUS.
HARRY W. PUGH, New York, N. Y., assignor to Western
Electric Company, Incorporated, New York, N. Y., a Cor-
poration of New York. Filed Oct. 30, 1919. Serial No.
334,454. 6 Claims. (Cl. 179—63.)



1. A telephone set comprising a casing, a coin handling mechanism within said casing, a transmitter and receiver supported without said casing, an impulse-sending device mounted to partially extend within said casing and a shield interposed between said coin mechanism and said impulse sender.

1,406,224. CELLULOSE-ACETATE SOLUTION. MARK E. PUTNAM and WILLIAM E. KIRST, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Dec. 11, 1918. Serial No. 266,190. 7 Claims. (Cl. 134—79.)

1. A new composition of matter, consisting of a solution of cellulose acetate in chlorhydrin admixed with an alcoholic body and an aromatic hydrocarbon, the amount of each of the first two admixed ingredients being relatively small compared with that of the last.

1,406,225. DRESS PROTECTOR. LOUIS RATHSMILL,
Penns Grove, N. J. Filed June 28, 1919. Serial No.
307,330. 3 Claims. (Cl. 128-287.)

1. A dress appliance for the purpose described, comprising a panel of greater width intermediate its ends than at the latter and composed of two layers of flexible fabric secured together at the top of the panel and across the said

widest part thereof, and a layer of stiffening material interposed between said fabric layers below said widest part, said material being composed of vertical, flexible threads interwoven with horizontal threads of relatively less flexi-



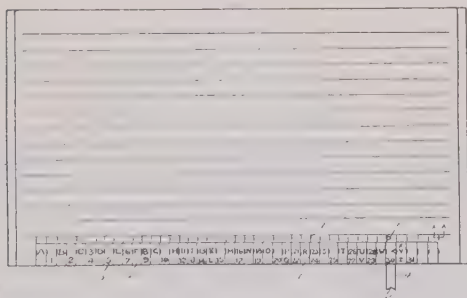
bility, whereby the lower portion of the panel is caused normally to assume a substantially vertical position, in combination with means for attaching the panel to the person of the wearer.

- 1,406,226. LOOSE-LEAF OR CARD-INDEX DEVICE. LEONARD CLAYTON RIDGE, Toronto, Ontario, Canada. Filed Mar. 31, 1920. Serial No. 370,292. 7 Claims. (Cl. 129—16.1.)



1. In a loose leaf or card index device, the combination with a cabinet provided with an index plate and selector mechanism operable in relation thereto and an index card provided with characters corresponding to the characters on said plate, of a container adapted to support said card, said container being provided with means adapted to support one or more index tabs in relation to one or more predetermined characters on said card for engagement by said selector mechanism.

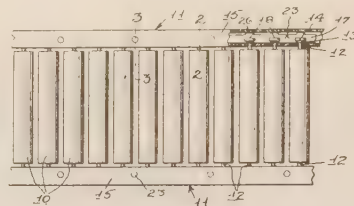
- 1,406,227. FILING APPARATUS. LEONARD CLAYTON RIDGE, Toronto, Ontario, Canada. Filed Feb. 21, 1921. Serial No. 446,751. 1 Claim. (Cl. 129—16.1.)



In filing apparatus, in combination, a card having index spaces along the lower edge thereof, and a tab having integral extensions therefrom adapted to be projected

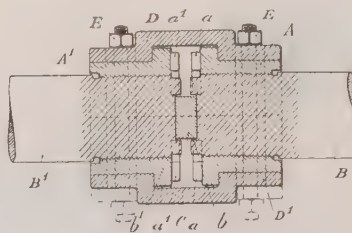
through said card and turned downwardly to secure said tab with one end thereof projecting from the desired index space, said card being scored to correspond to the relative positions of said extensions.

- 1,406,228. GRAVITY CARRIER. WALTER HERMAN RIEDEL, St. Paul, Minn. Filed Nov. 26, 1920. Serial No. 426,381. 6 Claims. (Cl. 193—55.)



1. The combination with rollers having axles at their ends equipped with roller bearings, of a pair of rails, each rail including a supporting section and a guard section, the former having seats therein to receive the outer races of said bearings and adapted also to contain a lubricating medium for the bearings, the guard section being designed to cover said bearings, and means for detachably securing together the supporting and guard sections of each rail to form rigid unitary structures.

- 1,406,229. APPARATUS FOR ASSEMBLING PISTON RODS AND THE LIKE. EUGÈNE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint-Stock Company of France. Filed July 21, 1920. Serial No. 397,955. 4 Claims. (Cl. 287—111.)

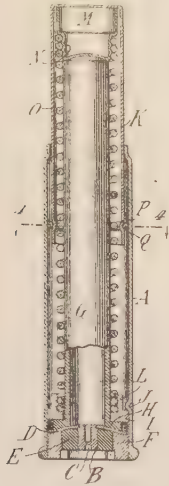


1. In an apparatus for assembling piston rods, the combination of a pair of opposed rods arranged in alignment, grooves in the adjacent ends of said rods, a pair of members having threaded engagement with said rods at adjacent ends thereof, the opposed faces of each member being formed with a plurality of spaced projections, means coacting with and forming an abutment for said members, and locking means for said rods engaging in said grooves and aligned spaces between said projections.

- 1,406,230. PRESSURE GAUGE. MAXIMILIAN CHARLES SCHWEINERT, New York, N. Y., and HENRY PHILLIP KRAFT, Ridgewood, N. J. Filed Aug. 1, 1912, Serial No. 712,724. Renewed July 14, 1921. Serial No. 484,822. 18 Claims. (Cl. 73—111.)

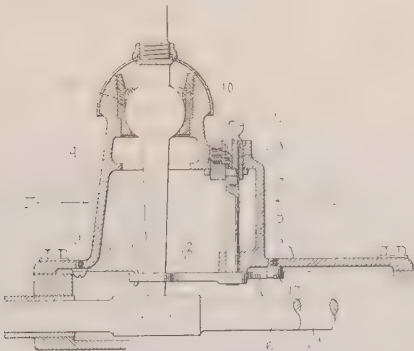
1. A pressure gauge comprising an elongated casing, an indicating sleeve sliding along said casing, means for positioning the sleeve including an extensible tube hav-

ing its lower end connected with the casing and its upper end extending within said sleeve, and a spring



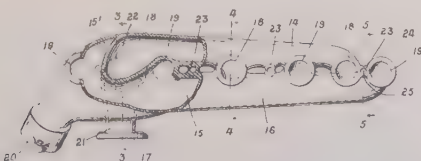
surrounding said tube and adapted to oppose expansion of said tube, said sleeve and tube being disconnected.

1,406,231. GEAR-SHIFT-LEVER LOCK. ERNEST W. SEAHOLM, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed June 13, 1919. Serial No. 303,989. 6 Claims. (Cl. 70—128.)



1. In a device of the class described, a gear shifting lever, a movable locking member therefor, resilient means for holding said member in both its extreme positions and means for operating said locking member, substantially as shown and described.

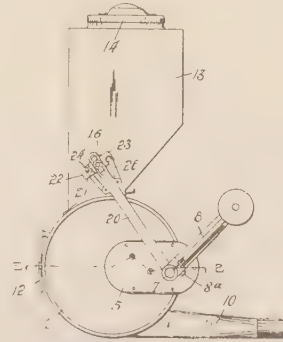
1,406,232. COMBINED INTAKE AND EXHAUST MANIFOLD. CHARLES R. SHORT, Detroit, Mich., assignor to General Motors Company, Detroit, Mich., a Corporation of New Jersey. Filed May 28, 1917. Serial No. 171,492. 13 Claims. (Cl. 123—122.)



1. In an internal combustion engine, the combination with a gas intake manifold having an intake port ar-

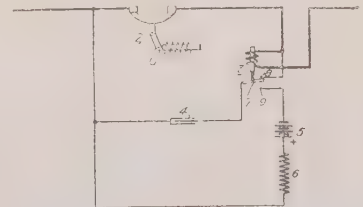
anged adjacent one end thereof and having a plurality of outlet ports, of an exhaust manifold arranged adjacent to said inlet manifold and adapted to have its thermal conductivity altered to apply a greater or lesser amount of heat to the latter at varying places throughout the length thereof.

1,406,233. POWDER GUN. JOSEPH L. SKELDON, Toledo, Ohio, assignor to Joseph L. Skeldon Engineering Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 11, 1920. Serial No. 423,265. 4 Claims. (Cl. 43—148.)



1. In a powder gun, a powder container having a discharge opening in its bottom portion, a curved screen mounted over said opening, an agitator wheel of wire construction mounted in the housing over the opening for peripheral engagement with the screen, a fan housing having inlet and outlet openings with its inlet opening in registry with the discharge opening of the container, rotatable means operable to drive the fan and having an eccentric, and means connecting the eccentric and agitator wheel and operable by rotation of the eccentric to impart successive rotary movements to the wheel.

1,406,234. CIRCUIT INTERRUPTER. JOSEPH SLEPIAN, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 4, 1918. Serial No. 260,940. 8 Claims. (Cl. 175—294.)

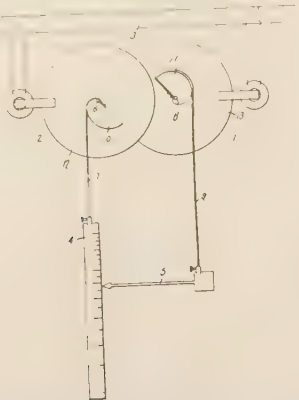


2. The combination with a circuit-interrupting device and an electrolytic condenser, of an electromagnetically operated switch for connecting the electrolytic condenser in shunt with the circuit-interrupting device when said device is in a closed position and for so connecting said electrolytic condenser in circuit with a source of electromotive force as to break down the resistance of said condenser, when the circuit-interrupting device is in its open position.

1,406,235. ELECTRICAL MEASURING INSTRUMENT. BENJAMIN H. SMITH, Turtle Creek, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 30, 1916. Serial No. 117,647. 5 Claims. (Cl. 171—95.)

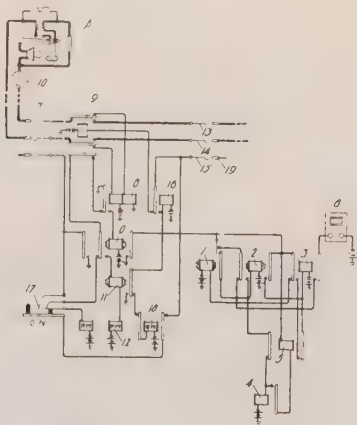
1. A volt-ampere meter for an alternating current electric circuit comprising a cooperating relatively mov-

able scale and pointer, and means for actuating one in accordance with the logarithm of the voltage and the



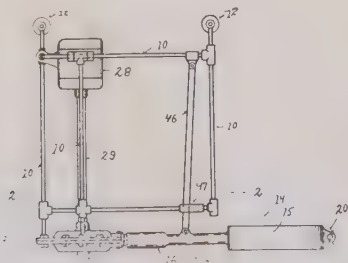
other in accordance with the logarithm of the current traversing the circuit.

1,406,236. TELEPHONE SYSTEM. ARTHUR B. SPERRY, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 8, 1919. Serial No. 336,537. 4 Claims. (Cl. 179—18.)



1. In a telephone system, a timing device consisting of an organization of circuits and relays, said relays being arranged in said circuits to act and react through a plurality of cycles to render said device effective.

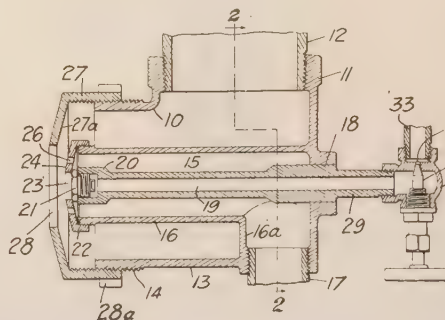
1,406,237. RIDDLE. EDGAR O. STAMM, Cincinnati, Ohio. Filed July 11, 1919. Serial No. 310,211. 4 Claims. (Cl. 83—56.)



1. A riddle comprising a dependently mounted supporting frame, a motor mounted rigidly upon said frame

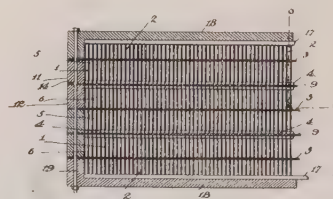
and provided with a shaft to be rotatably driven, an eccentric mounted upon said shaft, an eccentric strap reciprocally actuated by said eccentric, a housing inclosing said eccentric and eccentric strap and forming a bearing support for said shaft, and a screen member movably supported relative to said frame and connected to said eccentric strap to reciprocally energize said screen member.

1,406,238. COMBINATION GAS AND OIL BURNER. WILBUR W. STEVENSON and OWEN H. BATHGATE, Wilkinsburg, Pa., assignors to Anthony Company, Long Island City, N. Y., a Corporation of New York. Filed Apr. 5, 1918. Serial No. 226,871. 2 Claims. (Cl. 158—74.)



1. In a fuel burner of the low air pressure, externally atomizing kind, a liquid fuel supply pipe extending through the burner, a gas chamber surrounding the said liquid fuel supply pipe, a spray nozzle at the terminal of the liquid fuel supply pipe, a cap contacting with and enclosing the said spray nozzle and serving as a closure to the said gas chamber, a number of ports through said cap, and means, independent of the said liquid fuel supply pipe, to admit gas to the said gas chamber.

1,406,239. ELECTRODE AND ELECTROLYTIC BATTERY. ALEXANDER THOMAS STUART, Toronto, Ontario, Canada, assignor to Stuart Electrolytic Cells, Incorporated, Wilmington, Del., a Corporation of Delaware. Filed July 1, 1919. Serial No. 307,964. 12 Claims. (Cl. 214—29.)

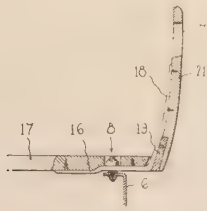


1. A bi-polar electrode comprising a metallic strip having its major plane arranged in the direction of the flow of an electric current through the electrode.

1,406,240. AUTOMOBILE BODY. ALFRED T. STURT, New York, N. Y., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed June 4, 1919. Serial No. 301,708. 5 Claims. (Cl. 296—28.)

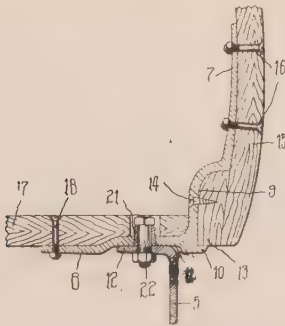
1. In an automobile, the combination with a frame member, and a body supported therefrom, of a body supporting bracket carried by said body and having a threaded opening; a threaded supporting member the lower end of which rests upon and is supported by said frame member and

the threads of which member engage with the threads of the opening aforesaid, and which supporting member



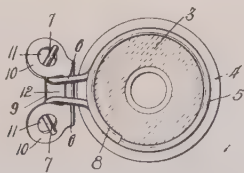
is rotatable about a vertical or substantially vertical axis; and means for securing said supporting member to said frame.

1,406,241. BODY BRACKET FOR VEHICLE BODIES. ALFRED T. STURT, New York, N. Y., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Feb. 26, 1920. Serial No. 361,607. 6 Claims. (Cl. 296—30.)



1. In a vehicle body, a transversely extending body sill; two body brackets secured one to each end of said sill having portions extending along the under side thereof, and which brackets are provided each with an upwardly extending portion recessed adjacent its lower end to provide a seat for a longitudinally extending side sill of the vehicle body, and with a flange beneath said recess; two oppositely located longitudinally extending side sills secured in place within said recesses and resting upon said flanges; two upwardly extending door posts secured to the upwardly extending portions of said brackets and the lower ends of which overlie said longitudinally extending sills; and fastening means co-operating with the portions of said brackets which extend along the underside of the body sill as aforesaid, whereby the said body brackets may be secured to the side frame members of a vehicle frame.

1,406,242. HOSE CLAMP. EDWARD V. SZYPERSKI, Toledo, Ohio. Filed June 27, 1921. Serial No. 480,572. 4 Claims. (Cl. 24—19.)



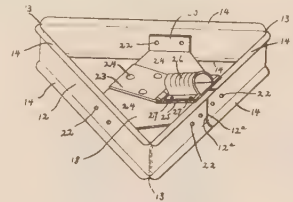
1. A clamp of the class described comprising a compressible loop member having adjacent laterally spaced outwardly extending leg portions with their outer ends directed outward to form pivots, a lever having its inner end forked with the furcations thereof forming adjacent cam surfaces and having openings therein for receiving the

pivot ends of the respective leg portions whereby the lever is fulcrumed thereon, the inner sides of the furcations coacting with the leg portions of the loop members to effect a contraction of the member when the lever is turned in one direction.

1,406,243. CLEANING MATERIAL. MANGO TANI, Coney Island, N. Y. Filed Aug. 19, 1920. Serial No. 404,709. 1 Claim. (Cl. 167—5.)

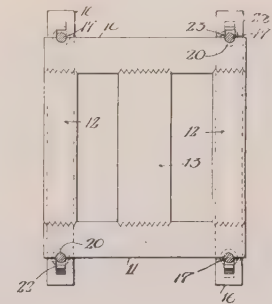
A cleansing composition for topical application comprising comminuted *Glotopeltis furcata*.

1,406,244. MOP HEAD. EDWARD H. TATE, Malden, Mass. Filed Apr. 8, 1921. Serial No. 459,515. 2 Claims. (Cl. 15—13.)



1. A mop head composed of a sheet metal strip, bent crosswise to form a triangular open frame, and bent longitudinally to form outwardly projecting mop-confining flanges, the ends of the strip meeting at the midlength of one of the sides of the frame; a reinforcing plate within the frame, provided with upstanding ears united to the inner surface of the frame to rigidly confine the frame sides against bending strains, one of said ears bridging the joint formed by the meeting ends of the strip, and united to the divided side at opposite sides of said joint, and a handle socket secured to, and supported by, said plate.

1,406,245. LAMINATED MAGNETIC CIRCUIT STRUCTURE FOR TRANSFORMERS. CHESTER H. THORNTON, Chicago, Ill. Filed Feb. 3, 1916. Serial No. 75,969. 16 Claims. (Cl. 175—356.)

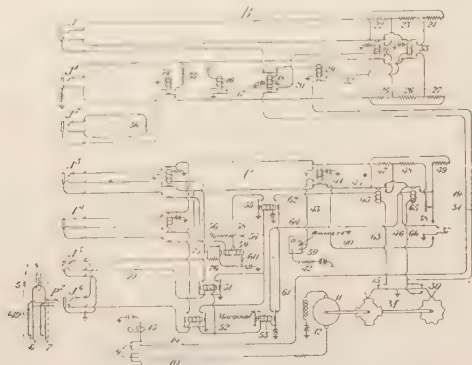


16. A transformer core, comprising a plurality of laminated elements, each of which is provided with one or more serrated areas presenting aligned apices, and means for assembling said elements en bloc in butt joint relationship along said serrated areas.

1,406,246. TESTING AND ADJUSTING APPARATUS FOR CORD CIRCUITS. JOHN F. TOOMEY, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Jan. 30, 1920. Serial No. 355,177. 4 Claims. (Cl. 179—175.)

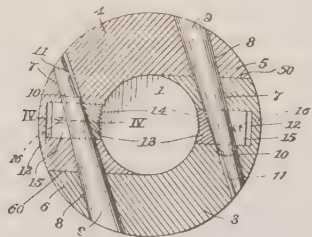
1. In a testing system, the combination of an operator's cord circuit, a source of ringing current included in said circuit, a testing circuit, means for associating said cord circuit with said testing circuit, an interrupter, members of different operating frequencies associated therewith, means operable in response to the application of ringing

current upon the association of said cord circuit and said testing circuit for subjecting the cord circuit under control of said interrupter members to conditions simulating nor-



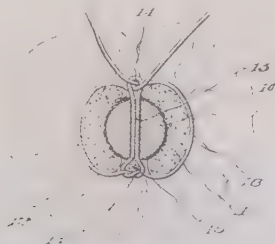
mal operating electrical conditions, and signaling means included in said cord circuit indicative of said conditions upon such association.

1,406,247. SHAFT COUPLING. EARL D. TUBBS, New York, N. Y., assignor to Igoe Brothers, Newark, N. J., a Corporation of New Jersey. Filed Nov. 8, 1920, Serial No. 422,456. Renewed Dec. 30, 1921. Serial No. 525,976. 7 Claims. (Cl. 287—111.)



1. In a shaft coupling, the combination with similar supplemental ring sections to surround the end portions of the shafts to be connected, each section having a recess in one end and a projecting tongue at the other end, said tongues fitting into said recesses when the sections are assembled about the shafts, of means for locking the sections together passed through each of said tongues and sections.

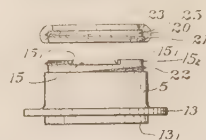
1,406,248. MOP. HENRY TEMPLE TUCKER, Fort Smith, Ark. Filed Oct. 23, 1919. Serial No. 332,586. 2 Claims. (Cl. 15—229.)



1. In a mop, the combination of a handle provided with a transverse opening, a swab including a plurality of strands arranged longitudinally of the handle and folded intermediate its ends, a doubled flexible retaining member threaded through the swab and the opening in said handle

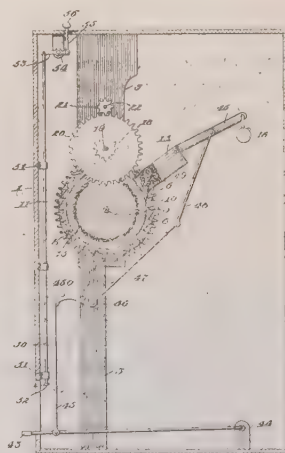
and having a loop projecting outwardly through one end of the opening and swab and having its opposite ends brought about the swab and threaded through said loop.

1,406,249. PHONOGRAPH. LOUIS P. VALIQUET, Elyria, Ohio, assignor to The General Phonograph Manufacturing Company, Elyria, Ohio, a Corporation of Ohio. Filed Oct. 9, 1916. Serial No. 124,490. 4 Claims. (Cl. 274—23.)



1. In a phonograph, the combination of an amplifier and a sound conveyor and means to connect said parts together, including a hollow bushing having portions of its top edge cut away to form slots, pins on the sound conveyor placed in said slots when the parts are assembled, a collar and means to connect the collar to the top of the bushing, an inwardly turned flange on said collar fitting over the top of the pins when the parts are assembled and closing the slots in the top of the bushing.

1,406,250. MOTOR. MORRIS VICTOR SOHN, New York, N. Y. Filed Oct. 20, 1919, Serial No. 331,769. Renewed July 21, 1921. Serial No. 486,533. 9 Claims. (Cl. 185—27.)

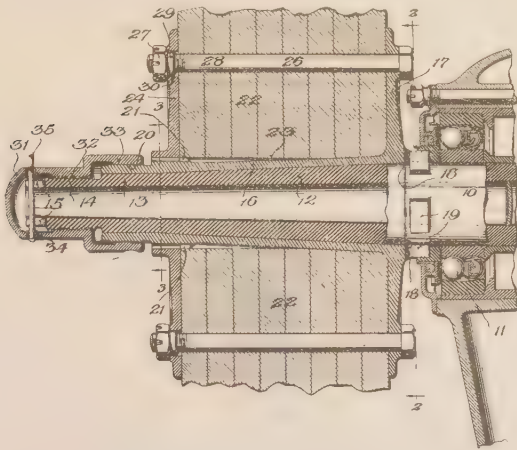


3. The combination with a member to be rotated, of a train of gears operatively connected therewith, a ratchet fixed to one of said gears, an arm having the same pivot point as said ratchet, a pawl carried by said arm, a weight on said arm to actuate the gears by moving the arm downward, and mechanism for positively raising said arm to reset the device

1,406,251. DETACHABLE-AIRCRAFT-PROPELLER HUB. JESSE G. VINCENT, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 26, 1918. Serial No. 255,876. 4 Claims. (Cl. 170—173.)

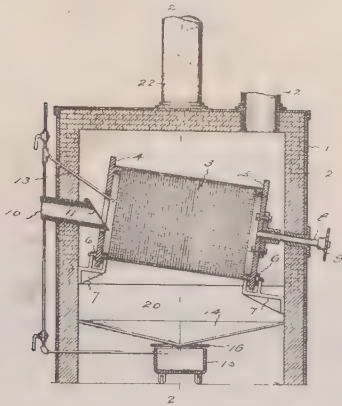
1. In an aircraft construction in combination, a driving shaft, a propeller having a hub mounted on said shaft, one

of said parts at the inner end of the hub having axially projecting lugs adapted to engage in recesses in the other



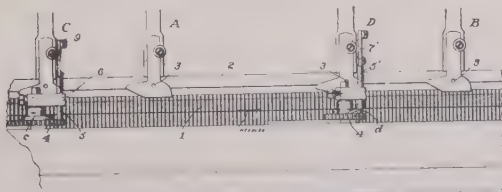
part, and means at the outer end of the hub to secure the hub against axial movement on the shaft.

1,406,252. METHOD OF AND APPARATUS FOR SEPARATING METAL FROM PAPER. MELVILLE K. WEILL, Brooklyn, and MILTON L. CORNELL, New York, N. Y., assignors to Beech-Nut Packing Company, Canajoharie, N. Y., a Corporation of New York. Filed Aug. 19, 1920. Serial No. 404,613. 15 Claims. (Cl. 148-5.)



1. The method of reclaiming metal from paper to which it is adhered, which consists in igniting a mass of paper and metal foil, agitating the mass while the paper is burning, and allowing the metal which is melted from the mass by the burning of the paper to drop through a current of air of sufficient intensity to carry off all solid matter except the metal.

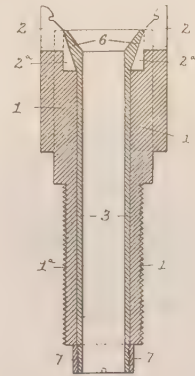
1,406,253. KNITTING MACHINE. HERBERT T. BALLARD, Norristown, Pa. Filed Jan. 15, 1920. Serial No. 351,701. 6 Claims. (Cl. 66-22.)



1. A rib knitting machine having at each of two feeds means for making tuck and plain fabric, and having a

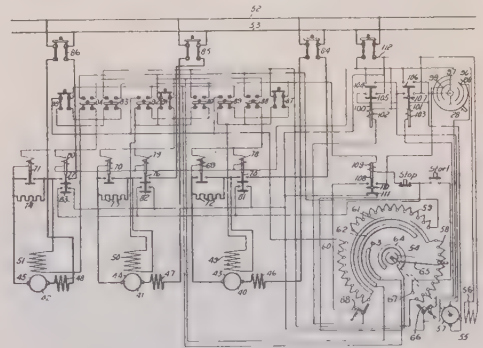
plain feed, controlling means at each of the two feeds first mentioned with means for operating them to make alternately in each course a series of tuck stitches and a series of plain rib stitches to form bands so that one of said means will advance in its operation in successive courses in respect to the wales of stitches and the other will lag in its operation in successive courses in respect to the wales of stitches whereby the changes in the stitches at one feed will advance in one direction around the fabric and the changes at the other feed will lag in the opposite direction around the fabric, and diamond shapes will be formed where two spiral bands cross, substantially as described.

1,406,254. NEEDLE CYLINDER FOR KNITTING MACHINES. HERBERT T. BALLARD, Norristown, Pa. Filed June 18, 1921. Serial No. 478,579. 2 Claims. (Cl. 66-26.)



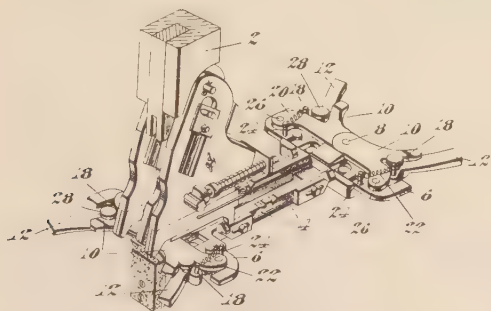
1. The combination of a radially slotted needle cylinder, sinkers set in the slots, said sinkers having bevelled inner faces, a sleeve disposed within said cylinder, a flaring head on said sleeve engaging the bevelled inner faces of the sinkers, and releasable means for imparting downward pull to said sleeve.

1,406,255. MOTOR-CONTROL SYSTEM. EDGAR M. BOUTON, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 3, 1917. Serial No. 194,431. 17 Claims. (Cl. 172-288.)



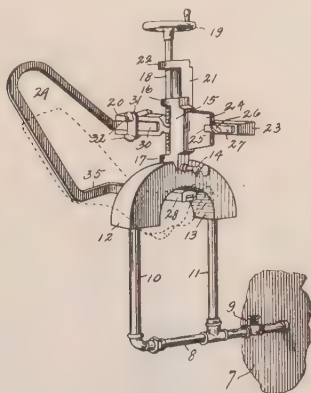
1. In a system of control for a fluid system, the combination with means comprising a motor for supplying fluid pressure to the fluid system and means comprising a rheostat for controlling the speed of said fluid-supplying means, of means for governing said controlling means in accordance with the value of the fluid pressure in said fluid system, said governing means serving to render said controlling means temporarily further inoperative upon

at the end of the toe, and means for effecting closing movement of the end plates through closing movement of



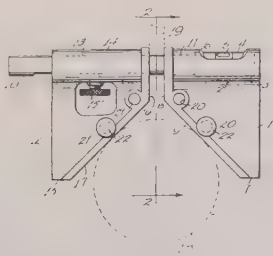
the side plates, said end plates being so mounted as to close without any tendency to back away from the shoe at the toe end.

1,406,261. RUBBER-BOOT REPAIRER. EDGAR C. JULIAN, Elwood, Ind. Filed Nov. 22, 1921. Serial No. 517,046. 4 Claims. (Cl. 18—17.)



1. In a device for the purposes specified, a hollow body heated by steam having a curved surface and a standard, a hand-screw supported by the standard, a head moved toward or from the hollow body by the screw, an arm supported by the head and a block on the arm adapted to be placed inside of the article to be patched and the patch on the article brought into contact with said curved surface of the hollow body by the manipulation of the screw.

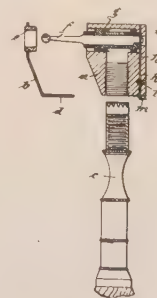
1,406,262. COMBINATION TOOL. MAX RICHARD KRONERT, Chicago, Ill. Filed Oct. 9, 1920. Serial No. 415,751. 2 Claims. (Cl. 33—185.)



1. The combination with a cutting tool of a measuring device comprising a pair of similar separate jaw members, each having its upper and lower edges parallel, said lower edge being shorter than said upper edge, and having one side edge formed with an upper portion thereof extending

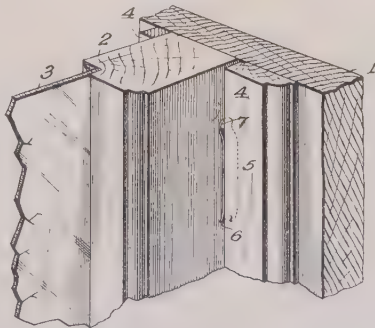
at right angles to the upper edge and the remaining portion of its side edge extending at an angle to said upper portion, said jaw members being each formed with a plurality of spaced apart openings positioned along the lower portion of its said side edge, each opening through one of said jaw members being arranged to correspond with a like opening through the other of said jaw members, means connecting said jaw members to permit movement of one relative the other and to position said jaw members with the said corresponding side edges thereof arranged to face each other, means cooperating with said means for clamping said jaw members to said cutting tool to cause the upper portions of said corresponding side edges to contact with diametrically opposed portions of said cutting tool, and removable pins inserted through corresponding selected openings through said jaw members to project laterally thereof.

1,406,263. ANGLE PLATE AND HANDLE FOR DENTISTS' BORING MACHINES. PAUL KÜHN, Leipzig-Stötteritz, Germany. Filed Sept. 1, 1920. Serial No. 407,556. 3 Claims. (Cl. 32—11.)



1. An improved angle plate and handle for dentists' boring machines comprising in combination with the casing, the drill and a pinion for rotating the drill, an angle plate removably mounted upon the casing and having an opening in its lower arm, a sleeve at the upper end of said angle plate serving as a journal bearing for said pinion, and a handle inserted through the opening in the lower arm of said angle plate and screwed into the casing, substantially as described and shown and for the purpose set forth.

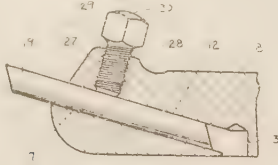
1,406,264. ANTIRATTLER FOR WINDOWS. EARNEST W. LADD, New York, N. Y. Filed July 19, 1919. Serial No. 305,407. 1 Claim. (Cl. 292—76.)



An anti-rattler for windows adapted to be inserted and concealed between the meeting sides of a sash stile and casing of a window frame and comprising a curved metal spring strip provided with sharp spurs struck up

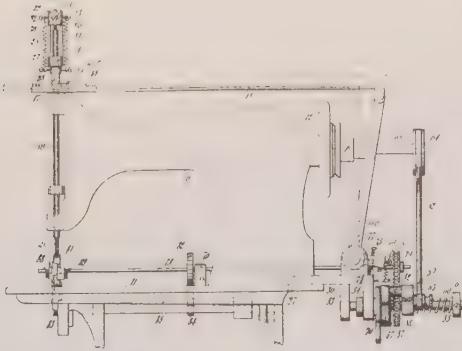
from one of its ends for anchoring said strip to the stile of the sash, its other end being provided with a turned up sliding surface for resilient engagement with the said stile.

1,406,265. CUTTING TOOL. JAMES W. LAWSON. East Providence, R. I. Filed Sept. 16, 1920. Serial No. 410,615. 2 Claims. (Cl. 29—96.)



1. In a cutting tool of the character set forth, a holder provided with an inclined channel comprising transversely rectangular upper and lateral portions and a partially cylindrical lower portion, a bit mounted in the channel comprising a plane top face having cutting edges, lateral faces disposed at right angles to the top face, and a partially cylindrical bottom face, said bottom face registering in the partially cylindrical portion of the channel, and a clamping screw in the holder adapted to engage the top face of the bit.

1,406,266. SEWING MACHINE. ARTHUR E. LINDNER, Brooklyn, N. Y., assignor to The L. and H. Special Machine Co. Inc., New York, N. Y., a Corporation of New York. Filed Apr. 3, 1917. Serial No. 159,414. 7 Claims. (Cl. 112—2.)

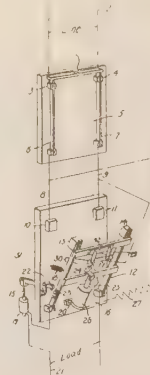


1. In a basting sewing machine adapted to apply a stitching thread above the material and a holding thread below the material, said stitching thread being looped through the material about said holding thread; means for intermittently feeding the material, and automatic means for carrying the stitching thread through the material at intervals in the feeding of the material to loop the stitching thread about the holding thread and for positioning the stitching thread wholly above the material during a predetermined number of successive operations of said feeding means.

1,406,267. CIRCUIT-INTERRUPTER. WILLIAM V. LOVELL, Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 11, 1917. Serial No. 185,744. 7 Claims. (Cl. 200—106.)

2. A circuit-interrupting system comprising an automatically actuable circuit interrupter, a disconnecting switch therefor, and means for locking the automatic interrupter in its open position, said interrupter and said switch being mechanically independent of each other

and so electrically interconnected in the circuit of the system as to require the closing of the switch before



the closing of the interrupter to permit the latter to automatically open under predetermined conditions of the said circuit.

1,406,268. FISHING ROD. JOSEF MADEJ, Tolleston, Ind. Filed July 20, 1921. Serial No. 486,141. 3 Claims. (Cl. 43—18.)

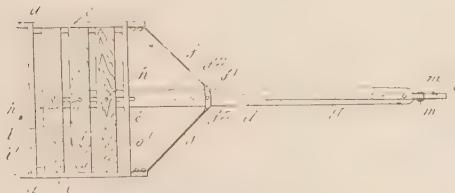


1. A fish pole comprising a hollow casing having a handle fixed at one end, and an external screwthread at the other, there being a slot near the threaded end, a cylindrical tube slidable in said casing, a spring actuated detent pivotally engaged therein, said detent operatively engaging the casing slot when the tube is extended, a hollow conic end element, a second detent similarly carried thereby engaging a slot in said tube, a movable plug at the end of said conic element, said detents and plug containing guide openings for a line when extended, and a cap tip adapted to engage the screw thread on said casing maintaining said elements therewithin when they are retracted.

1,406,269. COASTER. HARRY A. MAZER, Philadelphia, Pa. Filed Nov. 15, 1920. Serial No. 424,167. 1 Claim. (Cl. 280—16.)

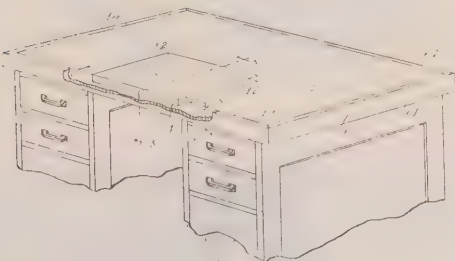
In a coaster, a tongue having a vertical pivot at the forward end thereof, a single traction member carried by the pivot beneath the tongue, a steering handle connected to the traction member forwardly of the pivot and the tongue, a platform or seat, traction members fixed to the opposite sides of said seat, means attaching the rear end of the tongue flatly against the underside of the platform

substantially midway between the last named traction members for permitting longitudinal adjustment of the tongue forwardly or rearwardly relative to the platform, and diagonal foot-rest-forming braces having their rear



ends secured to the forward ends of said last named traction members and their forward ends adjustably attached to the tongue forwardly of the seat for permitting adjustment of the tongue while maintaining the portion of the braces with the seat.

1,406,270. TOP FOR DESKS AND THE LIKE AND PROCESS FOR MAKING AND FINISHING THE SAME. ARCHIBALD MCLEOD, Grand Rapids, Mich. Filed June 9, 1921. Serial No. 476,156. 2 Claims. (Cl. 45—6.)

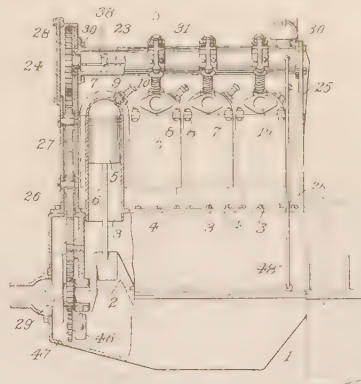


1. A process for making and finishing tops for desks and the like, which consists in: forming a recess in the body portion of the desk top, open at the upper surface thereof; forming a member of material different from the material of the body of the desk top and adapted to fit snugly in said recess with its upper surface registering with the desk top's upper surface; securing said member in the recess; coating the upper surface of said member with a readily-removable substance adapted to exclude wood-finishing materials; finishing the upper surface of the desk top's body portion; and removing said coating from said member.

1,406,271. INTERNAL-COMBUSTION ENGINE. HENRY C. MICHELSEN, Yonkers, N. Y. Filed Jan. 17, 1921. Serial No. 437,988. 2 Claims. (Cl. 123—90.)

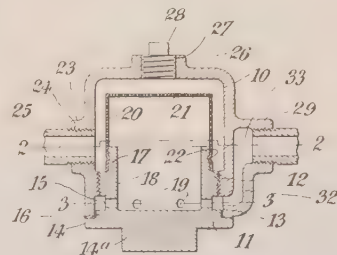
1. An internal combustion engine comprising in combination a crank case, engine cylinders supported on said crank case, intake and exhaust valves situated in the heads of said engine cylinders, a valve cam shaft, a valve cam shaft housing surrounding said valve cam shaft, rocker arms supported on said valve cam shaft housing above said intake and exhaust valves, means connected to said valve cam shaft and said valve cam shaft housing for operating said rocker arms to actuate said valves, standards for supporting said valve cam shaft, said valve

cam shaft housing, said rocker arms and the means for operating said rocker arms upon said crank case inde-



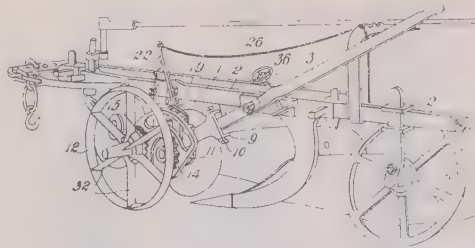
pendent of said engine cylinders and means for operating said valve cam shaft enclosed in one of said standards.

1,406,272. STRAINER. ALBERT W. MORSE, Forest Hills, N. Y. Filed Mar. 30, 1920. Serial No. 370,031. 3 Claims. (Cl. 210—164.)



1. A strainer comprising a casing, a plug adapted to be screwed into the casing, a strainer basket carried by the said plug and rigidly connected therewith, means to admit a liquid into the casing above and around the said strainer basket, and means to discharge the said liquid from the said casing from within and below the said strainer basket.

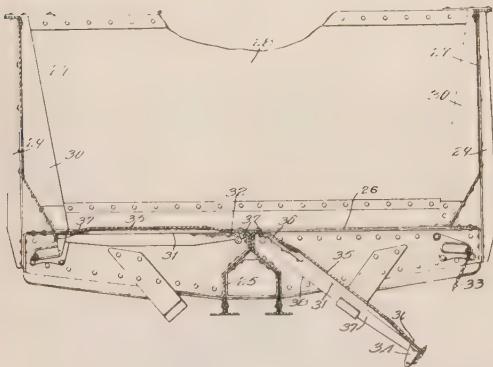
1,406,273. IMPLEMENT RAISING AND DEPTH-REGULATING MECHANISM. ERNEST MOSS, Christchurch, New Zealand. Filed Nov. 18, 1919. Serial No. 338,875. 2 Claims. (Cl. 97—55.)



1. In an agricultural implement, the combination of a frame, a hand-lever pivoted on said frame, a base adjustably secured to one end of said lever, a lifting member pivoted on said base in juxtaposition thereto and adapted to raise or lower the frame, said lifting member being provided in one side thereof with a plurality of teeth, a member slidable on the side of said base adjacent to

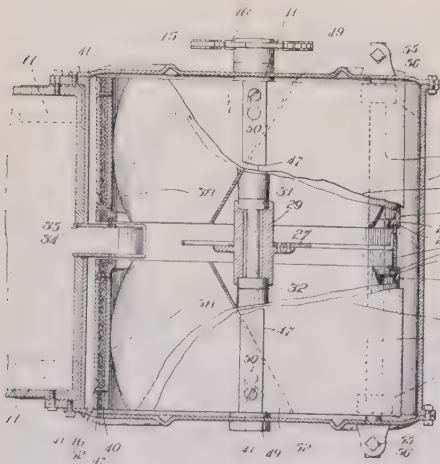
said pivoted member and having one end adapted to engage said teeth thereby to retain said pivoted member in various positions of adjustment, a land wheel mounted for rotation on said pivoted member and spaced radially from the pivot of said member, a sun wheel mounted for rotation on said pivot, a planet wheel carried by said land wheel in mesh with said sun wheel, a ratchet disk carried by said sun wheel in the same vertical plane as the teeth of said pivoted member, whereby the opposite end of said slidable member will engage said disk and lock the sun wheel against rotation, means for releasing said slidable member from said disk and from said teeth, and cooperating means carried by said slidable member and pivoted member for releasing the slidable member from said disk independently of said last means.

1,406,274. DUMP CAR. WALTER P. MURPHY, New York, N. Y. Filed Jan. 25, 1919. Serial No. 273,116. 13 Claims. (Cl. 105—280.)



3. In a railway dump car, the combination with the body of the car, of a hinged door forming part of the bottom of the car and adapted to assume an inclined position for dumping, comprising a sheet steel panel formed with rigidifying means at its edges and with corrugations which terminate within the edges of the sheet, project upwardly from the plane of the margins of the sheet, and extend in the direction of movement of the cargo when dumped.

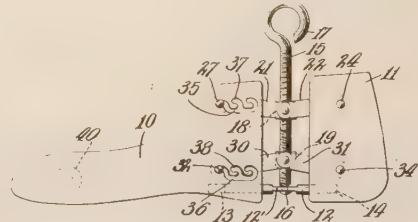
1,406,275. SANDPAPERING MACHINE. CARL G. NORMAN, Chicago, Ill. Filed Apr. 11, 1918. Serial No. 227,896. Renewed Oct. 22, 1921. Serial No. 509,529. 10 Claims. (Cl. 51—176.)



1. In combination, a support, rotatable means carried thereby, a fixture carried by the rotatable means, a spring

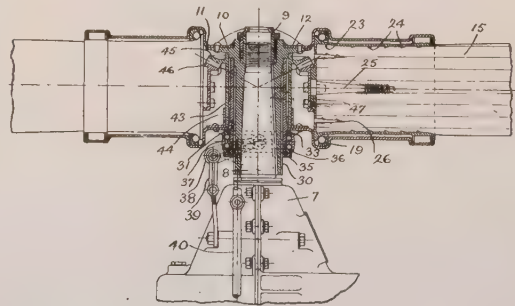
member secured to said fixture and having a free end portion thereof pointing opposite the direction of rotation, padding disposed over the spring member, flexible material having abrasive material on its face and secured to said rotatable means, and clamping means arranged to hold the flexible material in place.

1,406,276. ADJUSTABLE SHOE AND BOOT TREE. EMIL NOVITZKY, Detroit, Mich. Filed Mar. 9, 1921. Serial No. 451,060. 4 Claims. (Cl. 12—128.6.)



1. A boot tree comprising a pair of relatively extensible parts, a horizontal rod extending freely at its ends into sockets in the respective parts, a screw swiveled on said rod, and pairs of toggle bars connected at one end to the respective parts, and adapted for operation by the said screw.

1,406,277. VARIABLE-PITCH PROPELLER. OTTO F. PERSSON, Erie, Pa. Filed Jan. 24, 1920. Serial No. 353,703. 11 Claims. (Cl. 170—163.)

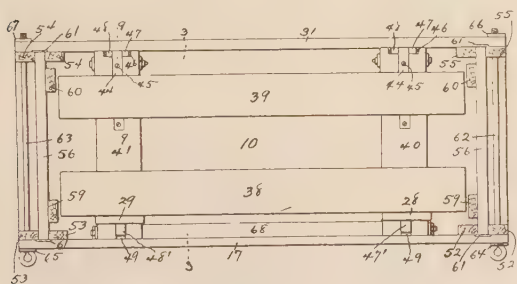


1. In a propeller, the combination of a hub adapted to be secured to the driving shaft, a casing secured to the hub, blades carried by the casing, a tubular member which surrounds the hub, a sleeve arranged between the hub and member and in telescopic relation thereto, straight and spiral splines, certain of which are between the hub and sleeve and the others between the sleeve and tubular member, and means for moving the sleeve along the hub to cause angular movements of the blades on their axes.

1,406,278. FOLDING ANIMAL CRATE. WILLIAM E. PETTY, Storm Lake, Iowa, assignor to Jens Peter Christensen, Newell, Iowa. Filed Oct. 28, 1920. Serial No. 420,115. 8 Claims. (Cl. 217—15.)

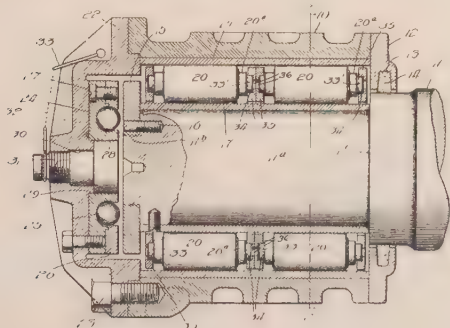
1. In a folding crate having bottom, front, back and cover members, each provided with cleats, a hinge connection between the bottom and front members comprising

stirrups embracing adjacent end portions of the cleats of said members and fixed to one of said cleats, and straps



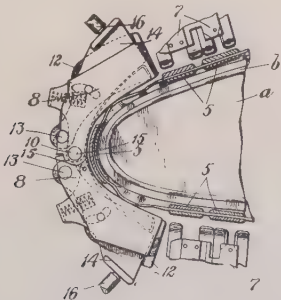
fixed to opposing cleats and overlapping and pivoted to said stirrups, selected edges of the stirrup-carrying cleats being beveled.

1,406,279. ROLLER-BEARING JOURNAL. EDWARD POSSON, Chicago, Ill. Filed Sept. 18, 1919. Serial No. 324,570. 4 Claims. (Cl. 64—61.)



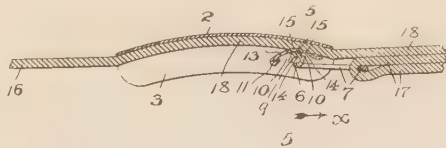
1. In combination, a journal box having an end wall, an axle extending into said box and terminating opposite said end wall, a plate secured to said end wall, a roller bearing carried by said plate and adapted to coact with the end of said axle, said end wall and said plate having centrally located apertures therethrough, and a removable block adapted to close the aperture in said end wall.

1,406,280. METHOD OF MAKING SHOES. CHARLES F. PYM, Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 28, 1917. Serial No. 157,961. 32 Claims. (Cl. 12—145.)



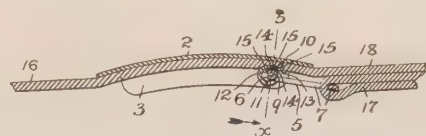
1. That improvement in methods of making shoes which consists in working the forepart of an upper into lasted position over the margin of a sole, applying a binder about the upper on the margin of the sole, forcing the ends of the binder into the shoe materials, and leaving said ends directed laterally of the shoe.

1,406,281. BELT BUCKLE. SAMUEL M. RIKER, Chester, N. J. Filed May 6, 1921. Serial No. 467,365. 8 Claims. (Cl. 24—191.)



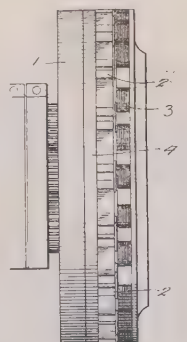
1. In combination, with a buckle-body, a pivoted loop-element adjacent to one end of said buckle-body, said loop-element comprising a transversely extending bar and a clamping or gripping member formed integrally therewith, said member extending forwardly and curving upwardly and then extending rearwardly to a point above said laterally extending bar, and a laterally extending convolution carried by the rearwardly extending part of said gripping or clamping member.

1,406,282. BELT BUCKLE. SAMUEL M. RIKER, Chester, N. J. Filed May 6, 1921. Serial No. 467,366. 5 Claims. (Cl. 24—191.)



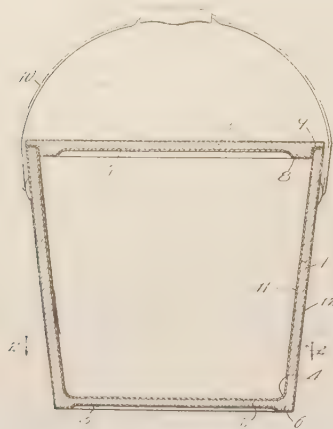
1. A belt-buckle comprising a buckle-body, combined with a loop-element, and a belt-body gripping or clamping element, said loop-element being pivotally connected with said buckle-body, and said belt-body gripping or clamping element being pivotally connected with said loop-element, said loop-element comprising a transversely and upwardly and rearwardly extending member, and means connected with the latter for forcing said belt-body gripping or clamping element into gripping or clamping engagement with a belt-body.

1,406,283. FLYWHEEL FOR AUTOMOBILES. CLYDE C. RILEY, Goshen, Ind. Filed Apr. 8, 1921. Serial No. 459,777. 1 Claim. (Cl. 74—6.)



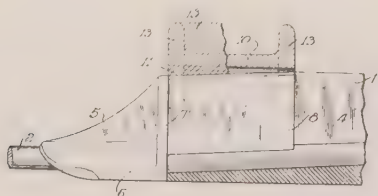
The combination with a fly wheel of the Ford type of a heavy ring secured within said fly wheel and replacing the spacers conventionally utilized, whereby to properly balance the fly wheel and afford a more flexible control of the motor.

1,406,284. PAIL. CHARLES P. ROCKWOOD, Geneva, Ill., assignor, by mesne assignments, to American Seamless Container Company, St. Charles, Ill., a Corporation of Delaware. Filed Dec. 28, 1917. Serial No. 208,858. 8 Claims. (Cl. 91—70.2.)



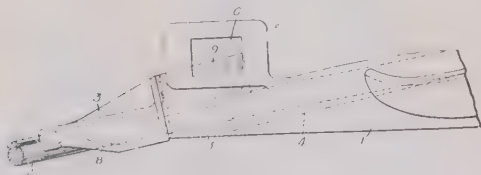
7. A compressed fibrous pulp pail or similar vessel, having a lining of zinc covering the interior thereof.

1,406,285. TROLLEY FROG. EDWARD E. ROSE, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 6, 1919. Serial No. 295,070. 8 Claims. (Cl. 191—40.)



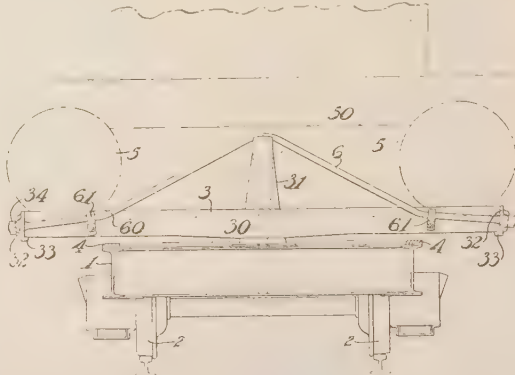
1. A trolley-conductor device comprising a body member having outwardly-extending oppositely disposed horizontal edge portions, and a wedge member for securing a conductor in position with respect thereto disposed above the body member and having portions extending downwardly around said edge portions.

1,406,286. TROLLEY-FROG APPROACH. EDWARD E. ROSE, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 31, 1920. Serial No. 370,138. 13 Claims. (Cl. 191—38.)



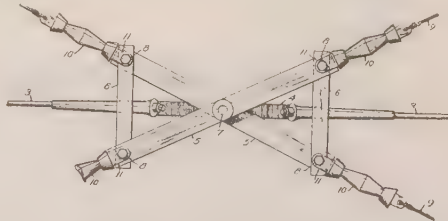
12. A trolley conductor device comprising a body member, an approach member therefor and wedging means for clamping the approach member in position and preventing its withdrawal from position.

1,406,287. CAR TRUCK. JOHN C. ROSS, Seattle, Wash., assignor to Pacific Car & Foundry Co., Seattle, Wash., a Corporation of Washington. Filed Mar. 29, 1921. Serial No. 456,723. 4 Claims. (Cl. 105—160.)



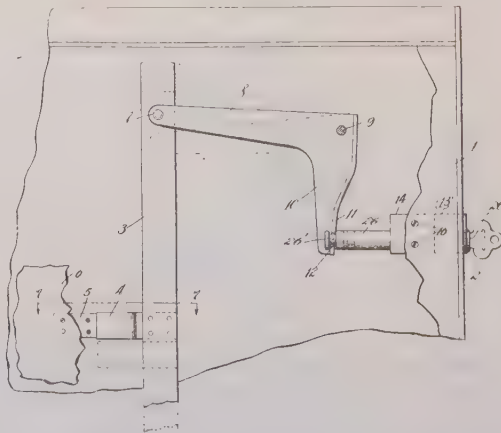
1. A truck having a circular side bearing plate, a bunk pivoted concentric with said bearing plate and having a trussed construction which is centrally increased in depth by extension upwardly from the level of its outer ends.

1,406,288. WIRE SUPPORTING STRUCTURE. WILLIAM SCHAAKE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 17, 1920. Serial No. 410,869. 7 Claims. (Cl. 191—40.)



1. In a wire-supporting structure, the combination of a longitudinally-extending splice member, a pair of diagonally disposed bars connected intermediately of their ends to the splice member, a pair of transverse bars connecting the diagonal bars adjacent to the ends thereof, and means whereby guy wires are connected to said diagonal bars.

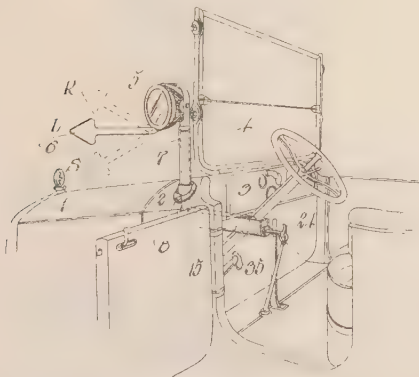
1,406,289. LOCKING MECHANISM. JOSEPH F. SCHAEFER, Shaker Heights Village, Ohio, assignor to The Van Dorn Iron Works, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 31, 1919. Serial No. 286,417. 2 Claims. (Cl. 70—47.)



1. The combination with a cabinet wall of a lock flush with said wall and comprising a cylinder, a key receiving

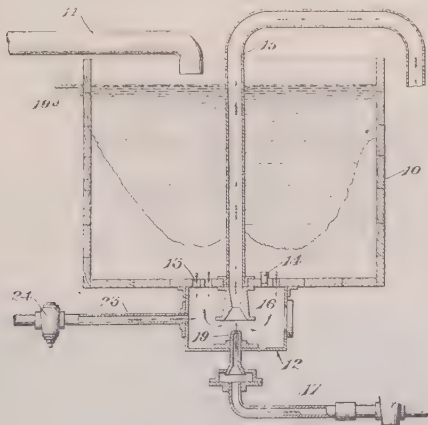
barrel having a rotary and sliding movement for the locking and unlocking operations, co-operating key actuated plungers and pins between the cylinder and barrel and means for moving said key barrel outward beyond the cylinder when unlocked and for returning said barrel to locked position when pushed in.

1,406,290. AUTOMOBILE SIGNAL. WILLIAM SCHIERDING, Spokane, Wash. Filed July 17, 1920. Serial No. 397,003. 6 Claims. (Cl. 116-47.)



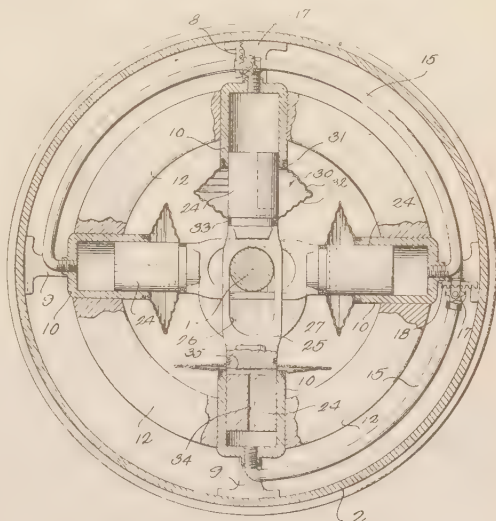
4. The combination with a hollow standard, a hollow shaft therein having a bearing collar supported on said standard, a yoke extended above said shaft, a lamp and indicator having trunnions in said yoke, a pulley on one of said trunnions, and a cable operatively connected on said pulley, of a second shaft having a pulley thereon for the cable, and connections from said second shaft to revolve the hollow shaft.

1,406,291. SAND-WASHING DEVICE. EDMUND SHAW, El Paso, Tex., assignor to The Allen Cone Co., El Paso, Tex., a Corporation of New Mexico. Filed Jan. 12, 1921. Serial No. 436,666. 5 Claims. (Cl. 83-82.)



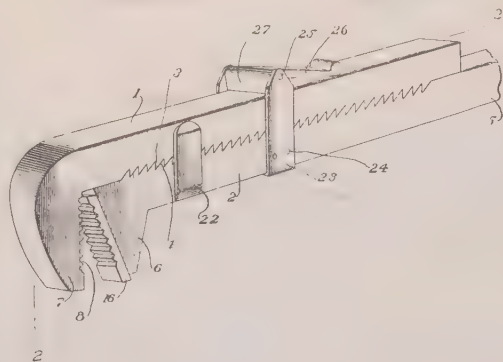
1. In a sand washing device a receiving vessel, a compartment communicating with the bottom of said vessel into which the material accumulated in the bottom of said vessel passes, a discharge pipe opening into said compartment and extending upwardly to a point above the level of the receiving vessel, said discharge pipe being provided with a flared intake, a jet nozzle extending into the compartment and cooperating with said discharge pipe for elevating the material therethrough and means operable from the exterior of the compartment for adjusting the position of the nozzle with respect to the intake of the discharge pipe.

1,406,292. HYDRAULIC CLUTCH. WILSON W. SIDES, Kearney, Nebr., assignor to John W. Patterson, Kearney, Nebr. Filed Oct. 14, 1918. Serial No. 258,043. 8 Claims. (Cl. 192-60.)



6. In a hydraulic clutch, a plurality of opposed cylinders arranged in pairs, pistons for reciprocation in the cylinders, the pistons connected for movement, and expandible and collapsible envelopes connecting the inner ends of the cylinders to the inner ends of respective pistons to prevent leakage of the operating liquid.

1,406,293. WRENCH. LUKE SHEA SLOANE, Okmulgee, Okla. Filed June 18, 1921. Serial No. 478,643. 1 Claim. (Cl. 81-148.)

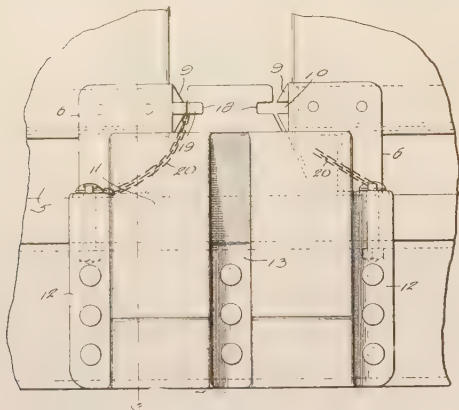


In a wrench construction, as herein described, co-operating heads having angle shanks disposed in lapping relation and having their confronting faces for the major length thereof provided with coengaging teeth, ears on the sides of one of the shanks adjacent to the head thereof frictionally engaging the sides of the other shank but not projecting therebeyond, a yoke surrounding the first mentioned shank, secured thereto and having its parallel arms arranged against the sides of the second shank and projecting therebeyond, and a cam lever pivoted between said arms at the outer ends thereof for engagement with the outer surface of the second mentioned shank.

1,406,294. FASTENING FOR FREIGHT-CAR COMPARTMENTS. ALFRED H. SMITH, New York, N. Y. Filed July 29, 1920. Serial No. 399,676. 5 Claims. (Cl. 105-366.)

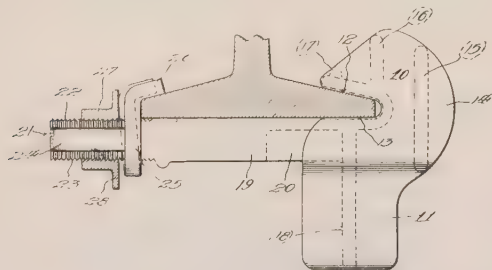
2. In a car, the combination with a series of independent freight compartments mounted on the car, a portion

of a key-way on each compartment, of a casting secured to the side sills provided with portions of key-ways and



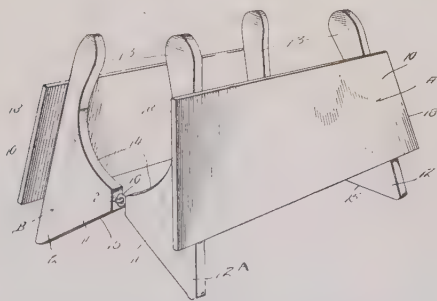
projecting between adjacent compartments and a key entering said key-ways and bridging the joint between them and locking the compartments to the casting.

1,406,295. RAIL ANCHOR. ARTHUR L. STANFORD, Chicago, Ill. Filed Mar. 10, 1921. Serial No. 451,233. 6 Claims. (Cl. 238—329.)



1. A rail anchor comprising a jaw member adapted to embrace the flange of a rail, a cross connecting member threaded at its opposite end, a fin on the lower side of the threaded portion, and a nut adapted when screwed to clamping position to cut through the fin, substantially as described.

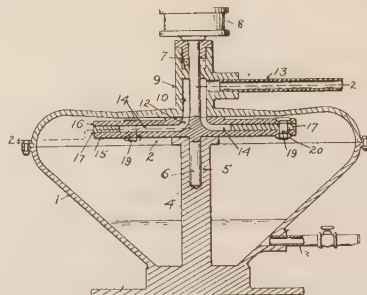
1,406,296. TIRE HOLDER. ABRAHAM LINCOLN STEWART and ROBERT W. POWELL, Quincy, Ill.; said Powell assignor to said Stewart. Filed Apr. 23, 1921. Serial No. 463,996. 2 Claims. (Cl. 211—24.)



1. A support of the character described formed of two oppositely disposed sections, each of said sections having upwardly convergent gripping members attached thereto,

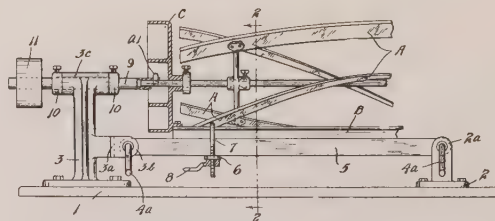
the gripping members of the two sections lying in the same plane and confronting each other, the gripping members of one section having hooks projecting therefrom and the gripping members of the other section having eyes projecting therefrom with which said hooks coact to swingingly connect it with the opposite gripping members, said hooks being open to permit the ready engagement or disengagement of the eyes therewith or therefrom.

1,406,297. CENTRIFUGAL PUMP. ALFRED C. STEWART, Los Angeles, Calif. Filed June 1, 1920. Serial No. 385,575. 4 Claims. (Cl. 253—194.)



1. In a rotary centrifugal pump an impeller comprising parallel disk shaped portions, one of said portions having inlet means near the rotative axis of the impeller, and spacing members secured to and extending between said parallel disk shaped portions to form channels extending outwardly from said inlet means to the periphery of the impeller, and means for adjustably securing said spacing members to said disk shaped portions to enable variation of the size of the discharge openings for said channels.

1,406,298. MACHINE FOR SHARPENING LAWN MOWERS. ARNO C. STIPPICH, Hayfield, Minn. Filed Apr. 29, 1921. Serial No. 465,373. 6 Claims. (Cl. 51—26.)

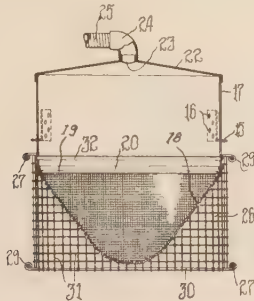


1. A device for sharpening lawn mowers having in combination a frame, means thereon for holding and supporting the axle of an assembled cutter head and cutting blade of a lawn mower, and means for turning said means to turn the cutter head against the blade to sharpen the same.

1,406,299. AIR-CLEANING DEVICE FOR INTERNAL-COMBUSTION ENGINES. ALFRED T. STURT, New York, N. Y., and CLARENCE J. WHITACRE, Janesville, Wis., assignors to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 22, 1920. Serial No. 398,231. 6 Claims. (Cl. 183—52.)

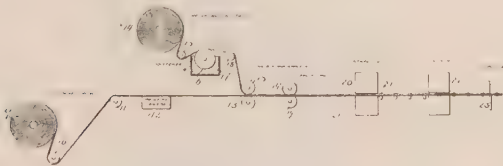
1. In an air cleaning device of the class described, a hollow shell or casing having an open lower end; an outlet conduit leading from said casing; a fabric straining member extending across the open end of said casing

and of greater area than said open end, so that said member is loose relative to said open end and is free to rise into said casing upon a reduction of pressure



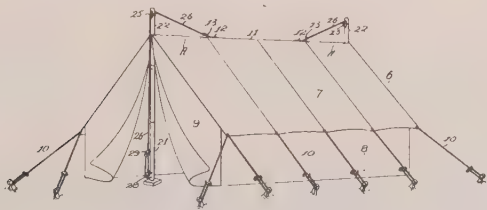
therein; means for securing the edge of said fabric straining member about the open lower end aforesaid; and a wire guard member supported from said casing and depending below the open lower end thereof.

1,406,300. PROCESS OF MAKING STICKER FASTENINGS. ARTHUR H. SWETT, Chicago, Ill., assignor to American Tag Company, Chicago, Ill., a Corporation of Illinois. Filed June 19, 1920, Serial No. 390,085. Renewed Dec. 24, 1921. Serial No. 524,737. 7 Claims. (Cl. 93—1.)



1. Process of producing sticker fastenings consisting in splitting a gummed web along a central line and stapling across the split at intervals.

1,406,301. TENT. FREDERICK W. TIMMERMAN, St. Louis, Mo. Filed Feb. 18, 1921. Serial No. 446,005. 3 Claims. (Cl. 135—1.)

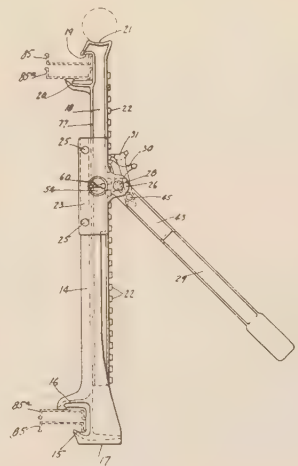


3. A device of the character described comprising a sectional end pole, a pin located on the upper end of the top section, a stiffening member supported over said pin, an extension mounted over said pin, a pulley supported in said extension, in combination with a tent cover, of a pocket formed in the ridge of the tent cover in which the stiffening member is inserted and a rope attached to the ridge at the free end of the stiffening member and passing over the roller in the extension, and means for fastening the lower end of the rope to the base of the pole, substantially as specified.

1,406,302. COMBINATION SPLIT-RIM TOOL AND LONG JACK. HERRMANN B. TOBIAS, Philadelphia, Pa. Filed Nov. 22, 1920. Serial No. 425,827. 11 Claims. (Cl. 254—100.)

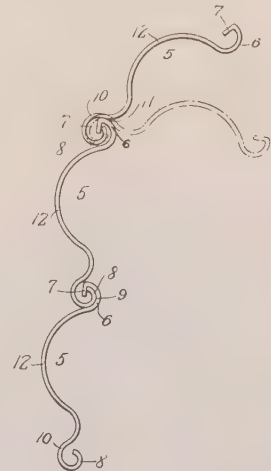
1. A device of the character described, comprising: two sliding members, provided with means for engaging

a split rim, an operating handle holding two linked and reversible double ended ratchets, a control box supporting said operating handle, maintaining the sliding contact of



the two members and housing a double release mechanism for said ratchets, and a four stage cam button for controlling the said releasing mechanism.

1,406,303. SHUTTER SLAT. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to John Edward Ogden, Mountainville, N. Y. Filed July 12, 1920. Serial No. 395,583. 7 Claims. (Cl. 189—56.)

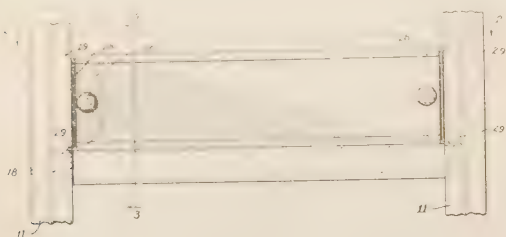


1. A rolling shutter, comprising slats having rolling joints provided by interfitting reversely curled portions at opposite edges of the slats and one of said curled portions on each slat having an intumed flange at the edge thereof and forming a stop limiting the rolling movement of the slat in one direction with respect to the companion slat.

1,406,304. BIN FRONT. WALTER N. VANCE, Chicago Heights, Ill., assignor to Durand Steel Locker Company, Chicago, Ill., a Corporation of Illinois. Filed June 14, 1920. Serial No. 388,714. 8 Claims. (Cl. 211—27.)

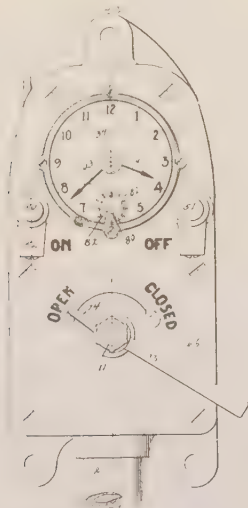
1. A metal shelving comprising uprights having spaced slots, shelf supports mounted in said slots, shelves carried by said shelf supports, and a vertical wall adapted for arrangement between said uprights to extend up from said shelf, the body of said wall having detachable slot en-

gaging members rigidly secured at its ends adjacent said uprights.



2. A metal shelving comprising uprights having slots for engagement by shelf supports, and a vertical wall arrangeable between said uprights and having detachable members each engaged in a plurality of said slots.

1,406,305. DRAFT REGULATOR FOR FURNACES. NORMAN W. VAN HUSEN, Detroit, Mich. Filed May 22, 1920. Serial No. 383,393. 7 Claims. (Cl. 161—8.)



1. In a draft regulator for furnaces in combination with the check and draft dampers thereof, a drum, a cable wound about the drum, the opposite ends of the cables being connected respectively with the check and draft dampers, a shaft on which the drum is rotatably mounted, a spring motor secured to the shaft normally held from rotation of the shaft, a clutch device for connecting or disconnecting the drum with the motor, a manual means for rotating the drum when disconnected from the motor, a clock mechanism, continuously operated by the spring motor, and means operated by the clock mechanism at a predetermined time interval for releasing the motor to operation of the shaft.

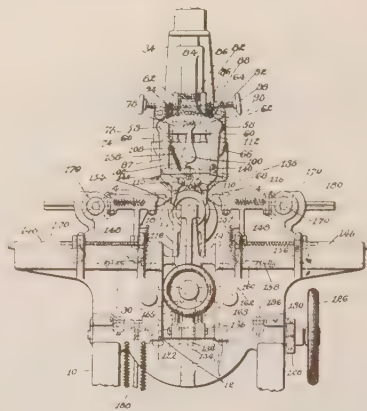
1,406,306. BELTING AND THE LIKE. RUDOLPH J. VEDOVELL, Chicago, Ill., assignor to Illinois Mechanical Leather Co., Chicago, Ill., a Partnership consisting of George M. Noetting and Frank Noetting. Filed Mar. 10, 1921. Serial No. 451,163. 4 Claims. (Cl. 74—66.)



4. As a new article of manufacture, a strip of leather belting comprising a plurality of thicknesses of chrome

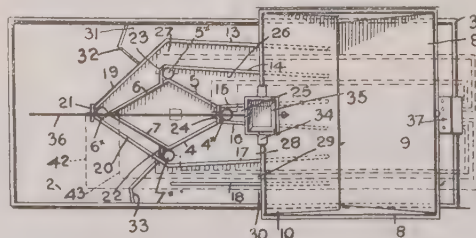
leather set together face to face and joined together by a line of stitching extending lengthwise of the belting, whereby there is produced a strip of belting possessing the advantages and benefits from the use of chrome leather, and whereby said strip of belting possesses great flexibility and strength, substantially as described.

1,406,307. FORMING MACHINE. WILLIAM E. WADE, Rockland, and THOMAS H. SEELY, Malden, Mass., assignors, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 13, 1917. Serial No. 196,361. 109 Claims. (Cl. 69—8.)



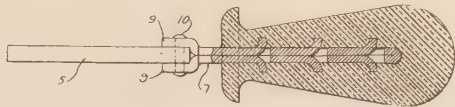
5. A machine constructed and organized for use in making leggings and having, in combination, a leg-shaped form, forming means comprising a plurality of pairs of oppositely arranged and connected members for engagement with opposite edges of legging material in the same plane throughout substantially the entire length of and upon closely adjacent portions of said material, and a single device constructed and arranged to carry all the engaging members and move them simultaneously.

1,406,308. TABLE BASEBALL. CLARENCE WILLOUGHBY WAGNER, Brantford, Ontario, Canada. Filed Jan. 22, 1921. Serial No. 439,165. 3 Claims. (Cl. 46—61.)



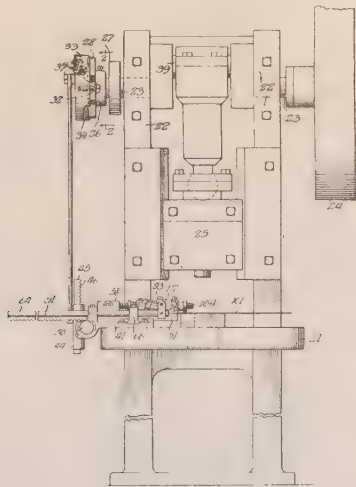
1. In a game of table base-ball, a table having a top provided with a surrounding edge barrier, a hopper supported above the table top, flanked walls extending upwardly from the table top in diamond form, a pocket located beneath an orifice formed in the table top at each point of the diamond, flanged walls extending from each of the aforesaid orifices to beneath the hopper to form intervening paths, and a path leading to each orifice.

- 1,406,309. HANDLE DEVICE FOR SWITCHES. NILS J. A. WAHLBERG, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 10, 1918. Serial No. 244,273. 5 Claims. (Cl. 16-116.)



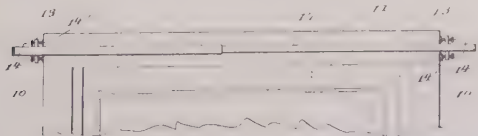
2. A handle device comprising a member folded end-to-end to form a pair of substantially co-extensive arms, one end of the pair being embedded in a grip member and the other end thereof being formed to serve as gripping jaws for attachment to a supporting member.

- 1,406,310. AUTOMATIC FEED MECHANISM FOR PUNCH PRESSES. HARRY C. H. WALSH, Chicago, Ill. Filed Apr. 7, 1921. Serial No. 459,377. 8 Claims. (Cl. 164-88.)



1. In an automatic feed mechanism for punch presses and the like, the combination of a reciprocator movable longitudinally of a strip which is to be fed, a rocker provided with a gripper and carried by the reciprocator, spring means operating upon the rocker and arranged to cause said gripper to clamp the strip to the reciprocator when the rocker is in one of two pivotal positions and for holding the gripper out of gripping engagement with the strip in the other position, a pair of abutments respectively engageable by the rocker upon forward and backward movement of the reciprocator for alternately switching the position of the rocker, and means for reversing the direction of movement of the rocker with reference to the direction of movement of the reciprocator.

- 1,406,311. WINDOW-CURTAIN SUPPORT. ADA B. WENDEL, Smithland, Iowa. Filed Apr. 29, 1921. Serial No. 465,371. 1 Claim. (Cl. 156-19.)

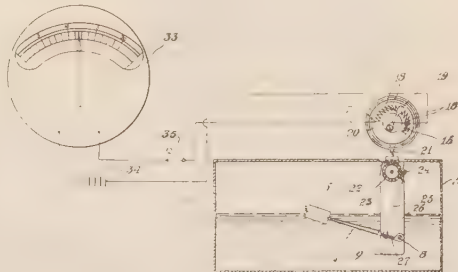


A curtain fixture comprising a window-frame supported rod having dove-tail ribs on its ends extending at right angles to the plane of the window-frame, and a curtain supporting rod extending in parallel relation to and outwardly of the first rod and having its ends in S-formation, the innermost portion of each S-formation being formed with a dove-tail groove for slidable reception of one of the dove-tail ribs of the supporting rod first-named.

295 O. G.—18

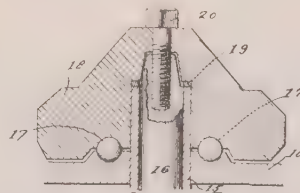
angles to the plane of the window-frame, and a curtain supporting rod extending in parallel relation to and outwardly of the first rod and having its ends in S-formation, the innermost portion of each S-formation being formed with a dove-tail groove for slidable reception of one of the dove-tail ribs of the supporting rod first-named.

- 1,406,312. INDICATOR FOR GASOLINE, ETC. SHELDEN M. WESSOLECK, New Britain, Conn. Filed July 21, 1920. Serial No. 397,919. 1 Claim. (Cl. 177-351.)



In a liquid level indicator, an electric meter having a fixed scale, float mechanism including a base, a support extending from one side thereof, and a rheostat including a movable member on the other side, a float, means connecting the float and the movable member of the rheostat, said means being adjustable to cause the float to give the movable member a full throw for different full ranges of movement of the float to accommodate the device to tanks of different depths, and means for electrically connecting said meter and rheostat with each other and with a source of constant potential.

- 1,406,313. DRIVING MECHANISM. GILBERT E. WHITE, Des Moines, Iowa. Filed May 12, 1919. Serial No. 296,316. 3 Claims. (Cl. 64-25.)

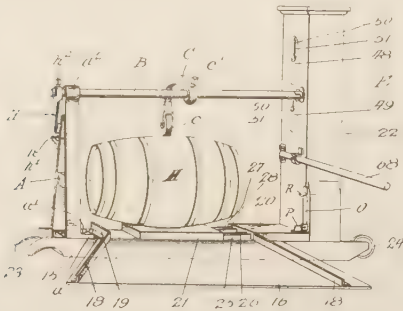


3. In a driving mechanism, coupling means for a driven element and spindle, said driven element being formed with a cavity within which said spindle projects, said element also being formed with a tapering bore angular in cross-section communicating with said cavity and also being formed with a hole communicating with said tapering bore, said spindle being formed with a tapering end portion fitting said tapering bore, the tapering end portion of the spindle being formed with a tapped bore, and a screw extending through the hole of the driven element and seated in said tapped bore.

- 1,406,314. BARREL-TALLYING MACHINE. LINWOOD M. WHITEHEAD, Norfolk, Va. Filed Oct. 17, 1919. Serial No. 331,333. 4 Claims. (Cl. 235-98.)

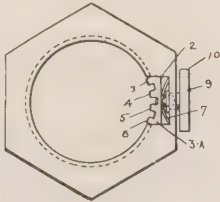
1. An attachment for converting a truck load tallying machine of the type containing a platform, platform levers and tallying mechanism actuated thereby, into a barrel tallying machine, comprising a rock shaft adapted to extend lengthwise over the platform of the tallying machine, a support for one end of said rock shaft detachably secured to the platform, an arm secured to said rock shaft and

having an end arranged in the path of movement of objects which are rolled over the platform and under the arm, and



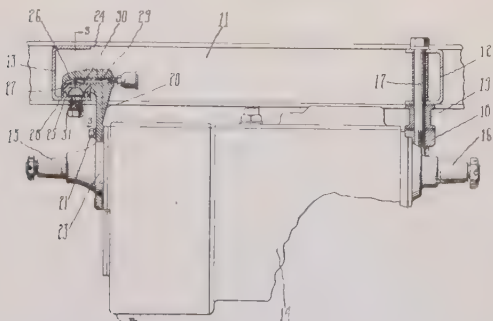
operative connections between one end of said rock shaft and tallying mechanism of the tallying machines for actuating said tallying mechanism.

1,406,315. NUT AND BOLT LOCK. JAMES B. WHITTAKER, Rochester, N. Y. Filed May 13, 1921. Serial No. 469,346. 3 Claims. (Cl. 151—11.)



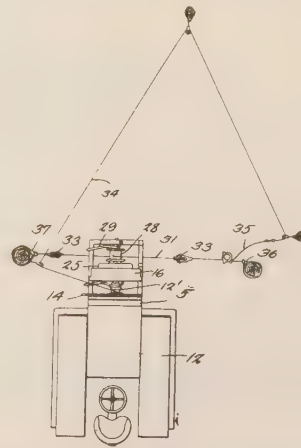
1. A nut and bolt lock, comprising a bolt having grooves extending along the bolt and across the threads, a key mounted in the nut having stationary teeth thereon adapted to engage with a plurality of said grooves, means for positively moving said key into and out of engagement with said grooves without moving the bolt.

1,406,316. SUPPORTING MECHANISM FOR GEAR CASINGS. FRANK A. WHITTEN, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 20, 1920. Serial No. 367,322. 9 Claims. (Cl. 180—70.)



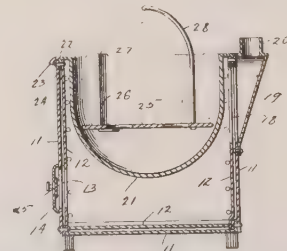
3. In a motor vehicle, the combination with a frame structure having a substantially horizontal supporting ledge, of a casing one end of which is fixedly supported beneath and from said frame structure; an upwardly extending supporting bracket fixedly secured to the other end of said casing; means for providing a rocking and a transversely slidable bearing between the upper end of said bracket and the ledge aforesaid; and spring mechanism acting to force the upper end of said supporting bracket toward said ledge.

1,406,317. SELF-ANCHORING STUMP EXTRACTOR. JAMES C. WILLIAMSON, Cordele, Ga. Filed Mar. 7, 1921. Serial No. 450,200. 2 Claims. (Cl. 254—135.)



1. In a device of the character described, a frame, a shaft on the frame, a drum on the shaft, a roller disposed above the frame, and secured to one of the side bars thereof, a roller secured to the frame and depending from the opposite side bar of the frame, a power cable having connection with the drum and operating over the rollers, and means for imparting rotary movement to the drum.

1,406,318. CLOTHES-BOILING AND CANNING STOVE. BEDIA ALLICE WRIGHT, Hurdle Mills, N. C. Filed Oct. 15, 1919, Serial No. 330,739. Renewed Jan. 4, 1922. Serial No. 527,060. 1 Claim. (Cl. 126—345.)

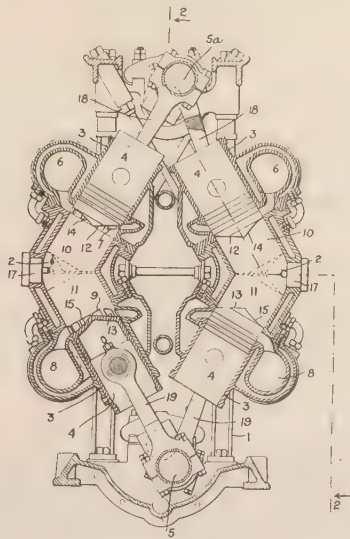


A sheet metal stove comprising angular corner posts, side and bottom plates secured to the outer faces of the angular posts, side and bottom plates secured to the inner faces of the corner posts whereby air spaces are formed between said inner and outer plates, a top plate for the stove having a central depending receptacle formed therein, said top plate having a depending flange secured between the upper edges of the inner and outer side plates, the said plates having openings to permit the introduction of fuel, and openings adjacent the upper ends of the walls opposite to the said first named opening, a flue casing secured over the last named openings, certain other side walls having openings near the upper portions thereof, and a water receptacle secured to said walls and covering the last named openings.

1,406,319. COMBINED AIR PUMP AND STARTER MOTOR MECHANISM FOR INTERNAL-COMBUSTION ENGINES. LEON WYGODSKY, Baltimore, Md., assignor to Baltimore Oil Engine Company, Baltimore, Md., a Corporation of Delaware. Original application filed Aug. 22, 1917, Serial No. 187,662. Divided and this application filed Nov. 23, 1918. Serial No. 263,853. 26 Claims. (Cl. 60—18.)

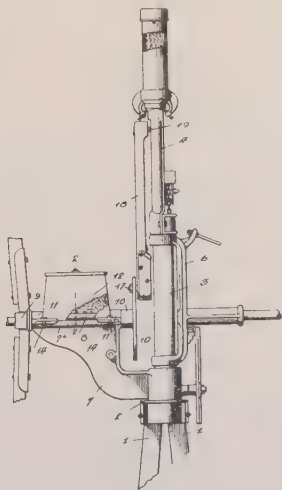
1. An internal combustion engine comprising a plurality of working cylinders, and pistons therefor, and a plu-

rality of connected means to which such pistons impart rotation, and scavenging pumps driven by such means to



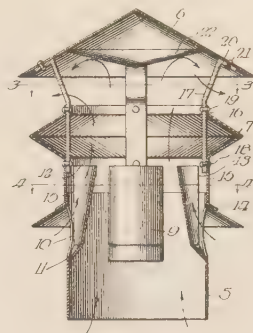
which rotation is so imparted, said pumps comprising also variable cut off motor valve mechanism whereby said pumps may be used as motors to start the engine.

1,406,320. LUBRICATOR. RODNEY H. YALE, Lincoln, Nebr., assignor to Yale and Hopewell Company, Lincoln, Nebr., a Corporation of Nebraska. Filed Feb. 13, 1920. Serial No. 358,386. 10 Claims. (Cl. 64—24.)



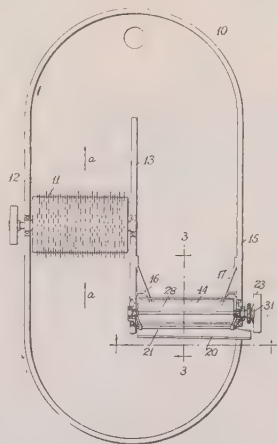
1. A heavy-grease gravity feed lubricator for windmills characterized by an upstanding normally-closed grease compartment of a capacity to contain a comparatively large mass of grease, with the moving part to be lubricated extending into and approximately occupying the bottom portion of the interior of the compartment to move in the body of grease therein, said compartment being internally formed to require the grease to rest against and freely settle down on said moving part by gravity, said compartment being closed against the weather to maintain the body of grease for a long period without replenishing and grease tight at the bottom and open for entrance of air to the top of the compartment above the grease therein.

1,406,321. VENTILATOR. HARMON J. YELDHAM, Chicago, Ill. Filed Sept. 14, 1914. Serial No. 861,490. 4 Claims. (Cl. 98—4.)



4. A ventilator comprising a tubular flue, apertures above the bottom of the tubular flue for admitting outside air, semi-cylindrical steeply inclined flues arranged within said tubular flue and at said apertures, and providing for the vertical deflection of the entering outside air, and an air storage chamber above the tops of said semi-cylindrical flues and extending substantially from said tops to the outlet of the ventilator, and means at the top of the ventilator for deflecting the air outwardly.

1,406,322. REMOVING PRINTER'S INK FROM PAPER. ARTHUR F. ALLEN and ALFRED F. MCCOY, New York, N. Y., and ROBERT O. STERNBERGER, Newark, N. J., assignors to Tidewater Paper Mills Company, Brooklyn, N. Y., a Corporation of New York. Filed Dec. 22, 1920. Serial No. 432,389. 15 Claims. (Cl. 92—3.)

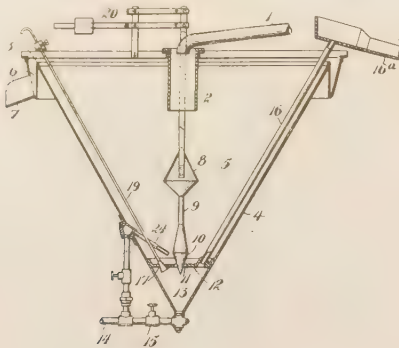


1. In the art of removing ink from printed paper, the improvement comprising treating the macerated paper with an alkali solution to separate the oil and pigment of the ink from the fibre, and agitating the stock in a solution of soap to emulsify the oil.

1,406,323. SETTLING TANK. CHARLES ALLEN, El Paso, Tex. Filed Feb. 18, 1920. Serial No. 359,830. 4 Claims. (Cl. 83—82.)

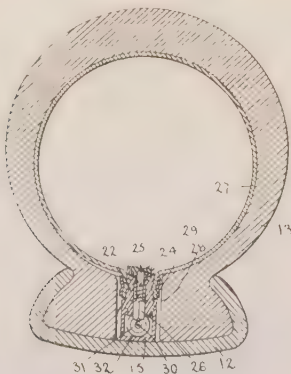
1. In a device of the class described, a settling tank for solids suspended in liquid, having a rim overflow for the lighter product and a partition near the bottom dividing the interior of the tank into two compartments, a valve controlled orifice arranged in said partition, a buoyant member within the tank responsive to changes

in the density of the material to rise and open the valve when the material in the bottom of the tank reaches a



predetermined density whereby to permit the heavier product to pass through said valve controlled orifice into the lower compartment, means to remove the material from said lower compartment, and a second orifice in said partition and a manually operated valve to control same.

1,406,324. PNEUMATIC ELEMENT FOR VEHICLE WHEELS. SILVIO AMOROSO, Boston, Mass., assignor of one-half to Alexander Frisch, Winthrop, Mass. Filed Mar. 21, 1921. Serial No. 454,051. 6 Claims. (Cl. 152—22.)

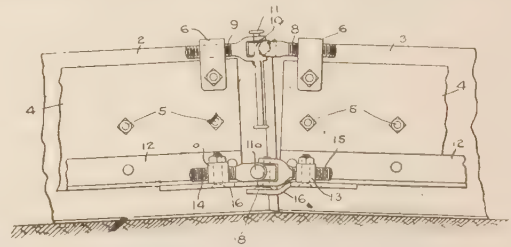


1. A pneumatic element for the purpose stated, comprising a non-continuous annular air conduit, adapted to be expanded and contracted and to bear, when contracted, on a wheel rim between the base portions of a tire shoe, said conduit having an inner nipple, formed to project through the wheel rim, and a plurality of valved outer nipples arranged to stand between the base portions of the shoe, and provided with normally closed valves having stems projecting into the air conduit, independent inflatable bags coupled to said outer nipples, a flexible elongated pull member extending longitudinally within the conduit and through said inner nipple, a plurality of cams fixed to said member and arranged to simultaneously engage the valve stems and open the valves, and a spring within the air conduit acting on the pull member to normally hold the cams out of engagement with the valve stems, one end of the pull member being extended through and from the inner nipple, and adapted to be pulled outwardly, against the force of the spring to cause the engagement of the cams with the valve stems.

1,406,325. GRADER BLADE. AXEL ANDERSON, St. Paul, and CARL O. WOLD, Minneapolis, Minn., assignors to Russell Grader Manufacturing Co., Minneapolis, Minn., a Corporation. Filed Nov. 14, 1917. Serial No. 201,956. 10 Claims. (Cl. 37—5.)

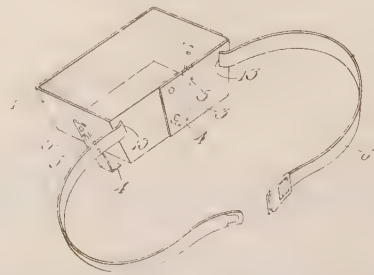
1. A grader blade composed of a plurality of sections

placed end to end and means having threaded connections with said sections for adjusting them on a horizontal



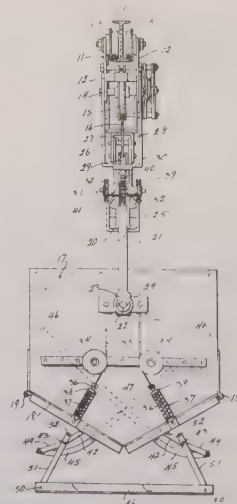
transverse axis to relatively raise or lower the abutting ends of said sections.

1,406,326. BOX HOLDER FOR BERRY PICKERS. PAUL I. ANDREWS, Kennebunk, Me. Filed Mar. 31, 1921. Serial No. 457,214. 4 Claims. (Cl. 224—5.)



1. A box holder for berry pickers comprising an open bottomed shell of rectangular contour having downwardly tapering side walls forming a hopper of the contour of the berry boxes to be used and of interior dimensions sufficient to admit the insertion of a berry box through the open top, narrow box supporting strip portions secured to opposite sides of the shell and which extend below the shell and project in under the open bottom to form a support for the box, and means for securing the shell to the body of the berry picker.

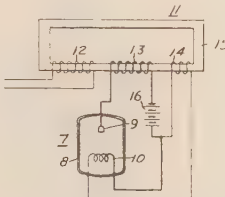
1,406,327. BUCKET-DOOR-CLOSING MECHANISM. FRANKLIN E. ARNDT, Gallion, Ohio, assignor to The Gallion Iron Works & Mfg. Co., Gallion, Ohio, a Corporation of Ohio. Filed Mar. 26, 1921. Serial No. 455,902. 6 Claims. (Cl. 294—71.)



1. A material transporting means comprising a carrier, a bucket having a downwardly opening door, a hoisting

cable operatively supporting the bucket on the carrier and permitting the bucket to be raised or lowered, and means automatically closing the door when the bucket has been raised to a predetermined distance.

1,406,328. TEMPERATURE-REGULATING MEANS FOR FILAMENTARY ELECTRODES. ALFRED L. ATHERTON, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 29, 1917. Serial No. 145,239. 7 Claims. (Cl. 175-363.)



1. The method of operating a filamentary space-current device, consisting in causing a heating current and a load current to pass through the filament and causing the heating current to decrease when the load current increases, and vice versa, in such manner as to maintain the filament temperature substantially constant.

1,406,329. DUMP BAILER. REUBEN C. BAKER, Coalinga, Calif., assignor to Baker Casing Shoe Company, Coalinga, Calif., a Corporation of California. Filed Apr. 21, 1920. Serial No. 375,421. 8 Claims. (Cl. 166-19.)

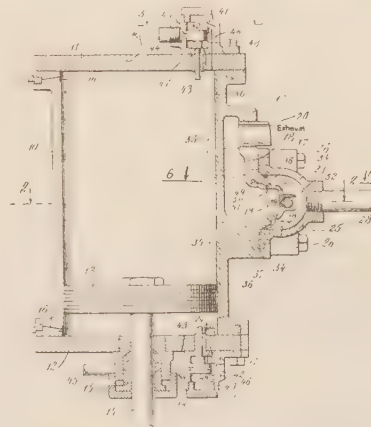


1. A dump bailer of the character described, comprising a cylindrical container for cementitious material, a false bottom in said container, and means actuated by the weight of said container when the bottom of the well shaft is encountered for dropping said false bottom and thereby discharging the cementitious material.

1,406,330. ENGINE. JOHN S. BARNER, Colver, Pa. Filed Feb. 24, 1919. Serial No. 278,680. 10 Claims. (Cl. 121-156.)

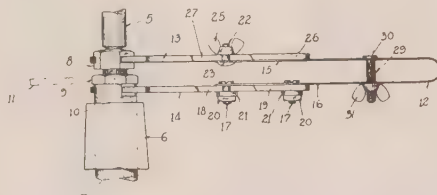
1. In an engine provided with a cylinder, a piston, a main valve for controlling the admission of motive fluid to the cylinder and the exhaust therefrom and adapted to be actuated by the effect of unbalanced steam pressures thereon, and valves under the control of the piston for causing the unbalancing effect on the main valve, the combination of means for producing an unbalancing effect on said main valve depending on the position and move-

ment thereof when it occupies such a position that admission of motive fluid to the cylinder is prevented so that the piston cannot be actuated to control the valves,



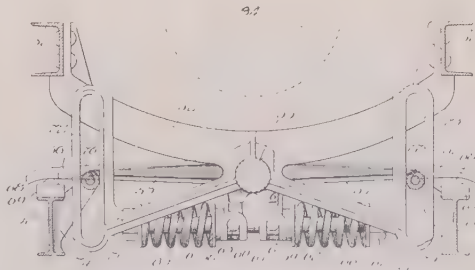
said means being so constructed as to be rendered ineffective by movement of the main valve to a position in which fluid may be admitted to the cylinder.

1,406,331. WRENCH. ARTHUR H. BARTELT, Milwaukee, Wis. Filed Oct. 17, 1919. Serial No. 331,452. 4 Claims. (Cl. 81-119.)



1. A device of the class described comprising a handle member of resilient material and of substantially elongated U-shape, the side members thereof tending to spread apart, adjustable means for varying the space between the ends of said side members, a pair of wrenches, and means for securing said wrenches to said respective side members, for the purpose specified.

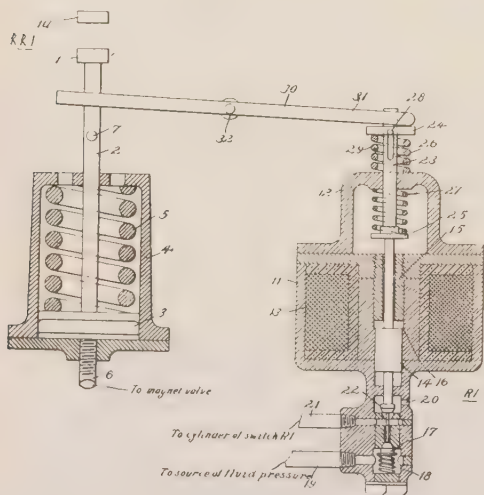
1,406,332. TRACTOR. HARRY H. BATES, Joliet, Ill., assignor to Bates Machine & Tractor Company, Joliet, Ill., a Corporation of Delaware. Filed Nov. 7, 1917. Serial No. 200,696. Renewed Oct. 13, 1921. Serial No. 507,569. 3 Claims. (Cl. 180-9.2.)



1. In a machine of the class described, the combination with a suitable framework and a prime mover thereon, of a pair of longitudinally extending driving crawlers operatively mounted in the rear portion of the framework, independently controllable driving connections to both of said crawlers from the prime mover, whereby the

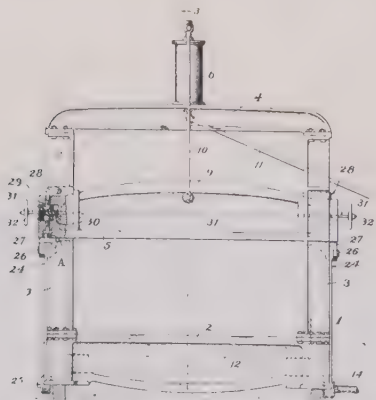
direction and speed of said crawlers may be independently controlled, and a pair of steering wheels journaled in the front portion of the machine and means for turning both of said wheels simultaneously in the steering function, said steering wheels being located a greater distance apart than the gauge of the crawlers, and both of the steering wheels traveling outside of the paths of travel of the crawlers, whereby one of the steering wheels may travel in a previously cut furrow while both of the crawlers travel on unplowed land, and whereby the crawlers and both of the steering wheels may be simultaneously used in the steering function, substantially as described.

1,406,333. CONTROL APPARATUS. HOWARD L. BEACH, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Original application filed Sept. 8, 1914, Serial No. 860,605, matured into Patent No. 1,244,459, dated Oct. 30, 1917. Divided and this application filed Oct. 30, 1917. Serial No. 199,286. 6 Claims. (Cl. 137--139.)



1. The combination with a normally closed fluid-controlling valve and a device whose working movement is governed by the opening thereof, of electromagnetic means adapted to oppose the opening operation of the said valve and a plurality of resilient means for respectively assisting and opposing said electromagnetic means.

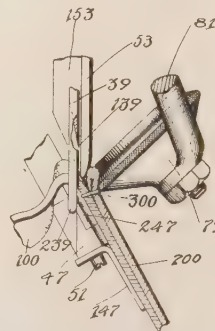
1,406,334. LONG-STROKE VERTICAL-TYPE PRESS. WILLIAM R. BEATTY, Hammond, Ind. Filed May 28, 1921. Serial No. 473,489. 9 Claims. (Cl. 101-3.)



1. In a long-stroke vertical-type press, the combination of a frame provided with a stationary die-holder, a ver-

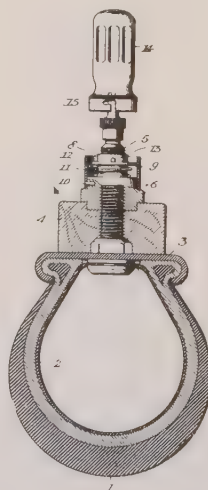
tically movable die-holder on said frame, a shaft provided with gears on said frame, connecting rods connected to said gears, and adjusting devices connecting the connecting rods and the vertically movable die-holder.

1,406,335. LINING-TRIMMING MACHINE. GEORGE BOULTON, Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 8, 1919. Serial No. 329,252. 38 Claims. (Cl. 12-51.)



1. A machine for trimming the lining which projects from the top of a shoe, having in combination, a support for the edge of the shoe, a cutter, and means for reciprocating the cutter to sever the lining close to the line of junction of the lining with the upper.

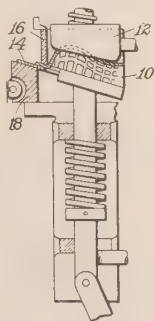
1,406,336. QUICK-LOCKING CAP FOR THE AIR VALVES OF AUTOMOBILE TIRES. JOSEPH A. BOZUNG, Denver, Colo. Filed June 16, 1921. Serial No. 478,041. 3 Claims. (Cl. 152-12.)



1. The combination with an air valve for automobile tire tubes, of a nut on said valve having an internally threaded tubular extension which is also threaded to said valve, a circular wall on said nut surrounding said extension and spaced therefrom diametrically opposite pins supported in said wall and said extension, a washer on said extension below said pins, and an expansion coil spring surrounding said extension and interposed between the washer and the nut, and a tubular cap for said valve having bayonet joint slots at opposite points in its open portion for engaging said pins, the hook portions of said slots being at an acute angle to their entrance portions, whereby when said cap is inserted in said wall

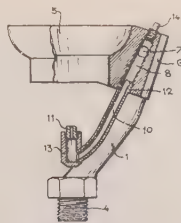
against said spring actuated washer, and locked to said pins, the pressure exerted by the spring actuated washer against the end of said cap prevents accidental disconnection of the same from said pins.

- 1,406,337. ART OF MAKING SHOES. MATTHIAS BROCK, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 17, 1918. Serial No. 250,267. 36 Claims. (Cl. 12—142.)



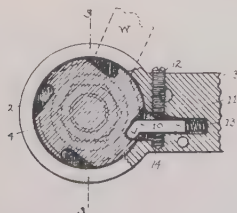
1. That improvement in the art of making shoes which comprises securing a relatively small section only of an upper to a sole off the last, thereafter mounting the upper and sole thus connected upon the last, and then drawing a further section of the upper to the last and securing it to the sole.

- 1,406,338. BURNER FOR PETROLEUM STOVES. SVEN GUNNAR BROGREN and KALEB KARLSSON, Gottenborg, Sweden. Filed Apr. 22, 1921. Serial No. 463,718. 3 Claims. (Cl. 158—67.)



1. In a vaporizing paraffin burner an annular flame distributor, a vaporizer provided non symmetrically at the one side of said annular flame distributor a substantially rectilinear gas duct going obliquely in relation to the axial centre line of said annular flame distributor from said vaporizer to a burner nozzle disposed in the axial centre line of said annular flame distributor.

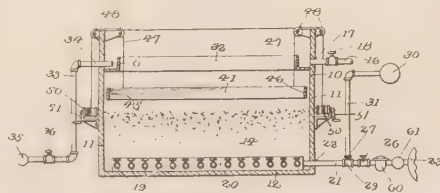
- 1,406,339. TOOL HOLDER. BENJAMIN T. BROWAND, Cleveland, Ohio. Filed June 12, 1919. Serial No. 303,678. 1 Claim. (Cl. 29—48.)



A tool holder having a body member provided with a recess, a ratchet pawl at one side of said recess, a backing

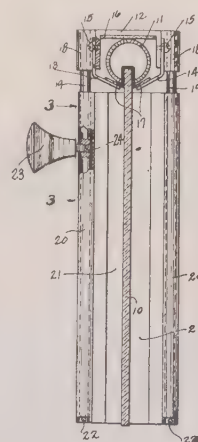
spring for said pawl and a stop screw and a coil spring on opposite sides respectively of said pawl between its ends, in combination with a rotatable head adapted to hold a plural number of tools and having ratchet teeth adapted to coact with said pawl in holding said head from rotating in one direction.

- 1,406,340. METHOD OF CLEANSING FILTERS. CHARLES ARTHUR BROWN, Lorain, Ohio. Original application filed Aug. 25, 1916, Serial No. 116,775. Divided and this application filed Feb. 8, 1918. Serial No. 216,103. 4 Claims. (Cl. 210—128.)



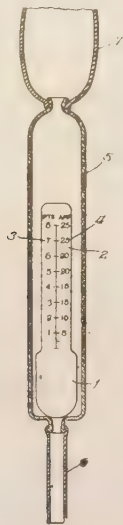
1. The method of cleansing a filter bed, which consists in forcing through the bed a wash liquid under conditions under which it bears upward with it the particles of impurities and the particles composing the filter bed, increasing and decreasing respectively the velocities of adjacent and parallel columns of the liquid as it passes through the filter and thereby causing said particles to grind against each other disintegrating agglomerated particles of impurities and dislodging particles of impurities from the particles composing the filter bed, causing said particles composing the filter bed to settle again to the bottom of the filter bed and washing away the particles of impurities thus dislodged and disintegrated.

- 1,406,341. WINDSHIELD WIPER. JOHN W. CAIN, Chicago, Ill. Filed Sept. 27, 1920. Serial No. 413,006. 2 Claims. (Cl. 15—59.)



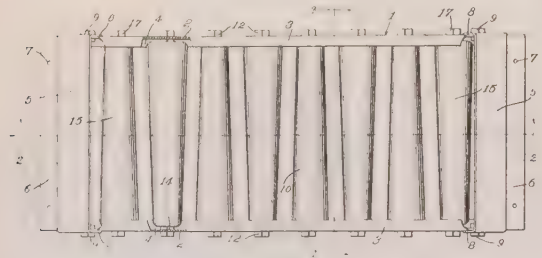
1. A device of the character described comprising in combination a short channel bar adapted to be mounted on a transversely extending frame bar of a wind shield; rods mounted on said channel bar and extending along the face of the glass of the wind shield on opposite sides thereof; sleeves revolvably mounted on said rods; wipers fixedly mounted on said sleeves; pins carried by the ends of said rods extending through circumferentially disposed openings in said sleeves for limiting the rotary movement of the wipers on the rods; and a handle mounted on the device for moving it from side to side upon the wind shield, substantially as described.

1,406,342. HYDROMETER. BERT L. CAMPBELL, Chicago, Ill. Filed Feb. 20, 1920. Serial No. 360,150. 1 Claim. (Cl. 265-45.)



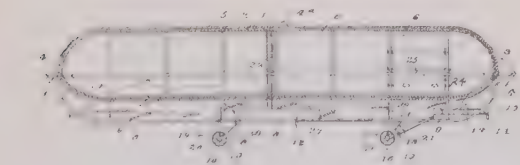
A hydrometer for indicating the amount of fuel to be used in an internal combustion engine to run a dynamo for charging storage batteries to a predetermined point, and for also indicating the most desirable charging current comprising a body portion, a stem carried thereby, a vertically extending scale thereon to indicate pints of liquid fuel, and a second scale registering with the first named scale to indicate amperes.

1,406,343. CATTLE GUARD. HARRY F. CARDEN, Lawrenceburg, Tenn., assignor to Luther W. Carden, Lawrenceburg, Tenn. Filed July 30, 1921. Serial No. 488,535. 2 Claims. (Cl. 256-16.)



1. A cattle guard comprising a frame and tapered rollers journaled in the frame and located side by side, the smaller ends of alternate rollers being disposed at one side of the frame, and the smaller ends of the other rollers being disposed at the opposite side of the frame.

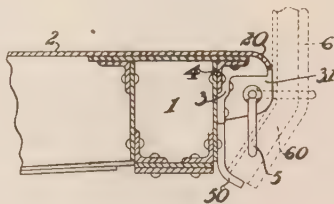
1,406,344. FLYING MACHINE. OSCAR ROBT. CASSELL, New York, N. Y. Filed Sept. 18, 1919. Serial No. 324,335. 2 Claims. (Cl. 244-3.)



1. In a flying machine, a rigid substantially cylindrical frame, a flotation body having the underside thereof flattened, a covering on said frame, a plurality of gas bags

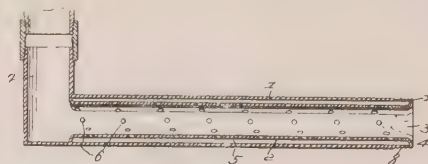
enclosed in said flotation body, an air bag contained in the lower part of each of said gas bags, a series of planes spaced longitudinally of the frame at the lower part thereof and projecting laterally therefrom on opposite sides thereof, a plurality of pairs of running wheels located under said frame and connected to rotatable steering posts, rudders mounted on said steering posts, and a series of propellers, one of said pairs of wheels being rotatable in unison with one of said propellers.

1,406,345. RAILWAY CAR. FREDERICK W. CHRISWELL, Seattle, Wash., assignor to Pacific Car & Foundry Co., Seattle, Wash., a Corporation of Washington. Filed Mar. 29, 1921. Serial No. 456,551. 2 Claims. (Cl. 105-384.)



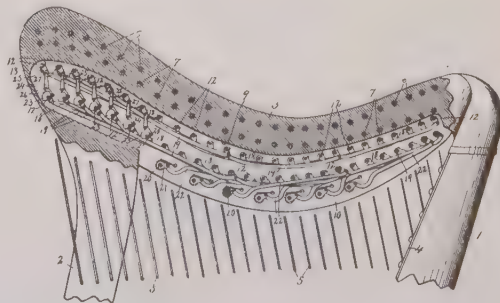
1. A platform car having a body frame and metal floor plates secured to said frame to form a horizontal stiffening web and at the edges of the car body curving downwards to form rounded edges thereby facilitating drawing heavy loads thereon.

1,406,346. GAS BURNER FOR WELL-DRILLING FORGES. EARLE A. CLARK, Tulsa, Okla. Filed Mar. 24, 1921. Serial No. 455,253. 2 Claims. (Cl. 158-109.)



1. A gas burner comprising an outer pipe, bent at right angles at one end, and provided with a gas connection, an inner pipe having its ends expanded and attached to said outer pipe, forming a chamber between the two, said inner pipe being provided with spirally arranged openings, and means for forcing a blast of air through the central pipe, whereby the gas and air may be mixed thoroughly and led to the point of combustion.

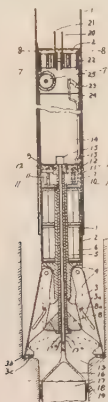
1,406,347. HARP. MELVILLE A. CLARK, Syracuse, N. Y. Filed Jan. 27, 1919. Serial No. 273,284. 11 Claims. (Cl. 84-266.)



2. In a double action harp, a plurality of fretting actions, hand operated means on the neck of the harp for op-

erating one of said actions, and means actuated by the last named action for causing the frets of another action to engage its strings before those of said last named action engages its strings.

1,406,348. DEEP-WELL REAMER. CLYDE S. CORRIGAN, Norwood, Ohio. Filed Sept. 4, 1920. Serial No. 408,117. 8 Claims. (Cl. 255—4.)



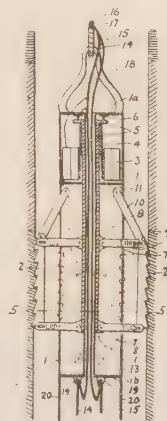
1. In a machine of the character described the combination of a casing, a sustaining and power conveying means of lowering and holding said casing in a well, power means positioned at the lower end of said casing, a plurality of kerf cutting elements pivotally and operatively attached to said power means, means of spreading and holding said kerf cutting elements to cut an annular ring larger than the previous diameter of the well, tank means attached to the machine below said kerf cutting elements to hold the material cut loose for conveniently lifting to the surface.

1,406,349. DEEP-WELL-ENLARGING AND CISTERN-MAKING MACHINE. CLYDE S. CORRIGAN, Norwood, Ohio. Filed Sept. 4, 1920. Serial No. 408,118. 7 Claims. (Cl. 255—4.)



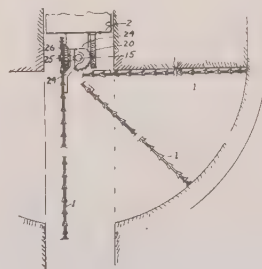
1. In a machine for enlarging certain parts of wells and deep holes in the earth, the combination of kerf cutting elements pivotally attached to the machine and power means in the machine operatively connected to said cutting elements to swing and cut kerfs into the walls of the well, and loosen large portions thereof, so as to form underground tanks, etc.

1,406,350. HOLDING DEVICE FOR DEEP-WELL MACHINES. CLYDE S. CORRIGAN, Norwood, Ohio. Filed Sept. 4, 1920. Serial No. 408,119. 9 Claims. (Cl. 255—4.)



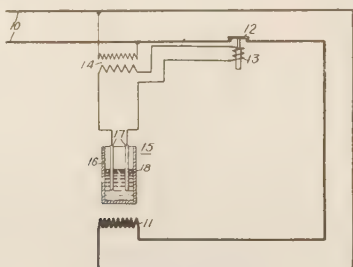
1. In a holding device adapted to be lowered into a well with a deep well machine movably attached, the combination of a casing, a plurality of toothed holding elements positioned in slots therein, a central push rod, radial spreader links pivotally connecting said holding elements to said push rod, power means of moving said push rod, and forcing said holding elements out of said casing and against the walls of the well with sufficient force to make rigid connection therewith, and prevent rotary or longitudinal motion, when used as a fulcrum while the attached machine is exerting force to perform work, and means of reversing said power means, and releasing said holding elements from the walls of the well, for lifting to the surface.

1,406,351. CONTROL BRACKET GEAR FOR DEEP-WELL-ENLARGING AND CISTERN-MAKING MACHINES. CLYDE S. CORRIGAN, New York, N. Y. Original application filed Sept. 4, 1920, Serial No. 408,118. Divided and this application filed July 25, 1921. Serial No. 487,540. 3 Claims. (Cl. 255—4.)



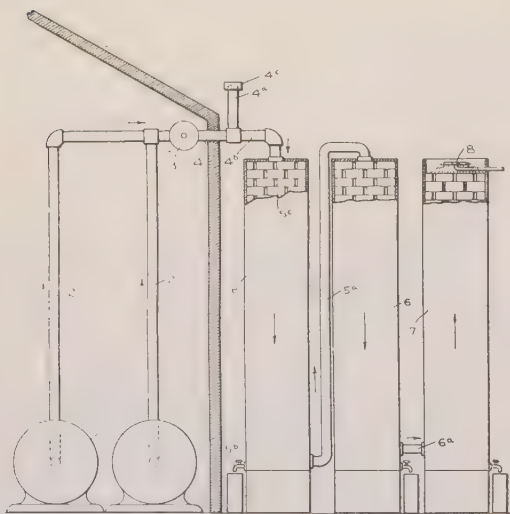
1. In a machine of the character described, the combination of a casing, a sustaining and power conveying cable for lowering and holding said casing in a well, an earth cutting chain saw pivotally attached to the bottom of said casing, power means operatively connected to said saw, to cause it to swing to a horizontal plane within a slot previously cut in the wall of a well, power means to cause the casing and saw to revolve and cut a circular horizontal kerf, causing the earth and stone cut loose to drop to the bottom to be raised to the surface by suitable means, and power means of lifting the machine and saw in the aforementioned slot after sawing one circular horizontal kerf, to a higher position to repeat the operation until the desired height is reached.

1,406,352. THERMOSTAT. PAUL E. DEMMLER, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 13, 1919. Serial No. 337,679. 29 Claims. (Cl. 219—20.)



1. In a temperature-regulating device, the combination with a source of heat and means for controlling said source of heat, of only a single resistor having a negative temperature coefficient operatively connected in circuit with said controlling means.

1,406,353. METHOD OF RECOVERING WASTE NITRIC FUMES. WOLDEMAR DE SVESHNIKOFF, Washington, D. C. Filed Jan. 27, 1921. Serial No. 440,362. 2 Claims. (Cl. 23—1.)

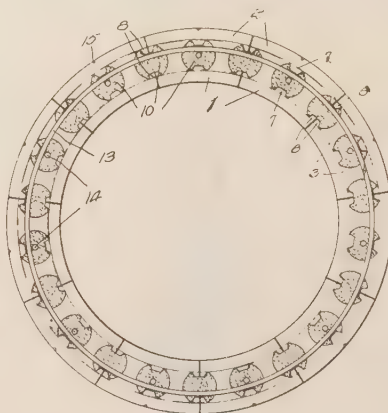


1. The herein described method of recovering nitric acid from fumes given off in nitrating cotton and the like in the manufacture of gun powder and other products; consisting in directing the fumes withdrawn from the nitrating apparatus into and through a tower containing acid resisting material presenting a large extent of condensing surface to the fumes, the acid fumes being precipitated in the tower by the expansion of the fumes upon entering the tower and by condensation thereof upon the chilling surfaces in the tower without hydrating same, substantially as described.

1,406,354. OPEN-END HOLLOW TILE FOR WALL STRUCTURES. MATHIAS DOCHNAL, St. Louis, Mo. Filed Oct. 28, 1918. Serial No. 259,964. 1 Claim. (Cl. 72—41.)

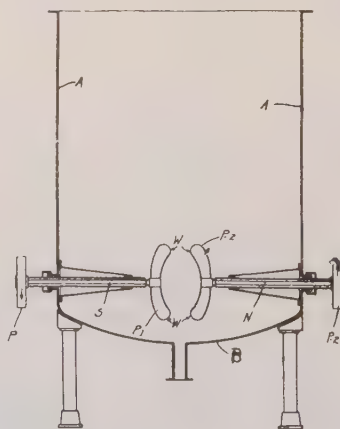
A building tile of the class described comprising an inner wall section and an outer wall section, a pair of spaced cross-walls uniting the inner and outer wall sections, each

of said cross-walls having concaved faces to form a circular central opening in the tile and a semi-circular opening at each end of the tile, a pair of opposed ribs extending into the central opening from the inner and outer wall sections, said ribs each having a beveled inner face



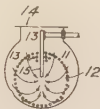
uniting with the concaved faces of the cross-walls to strengthen the inner and outer wall sections midway their length, facial ribs arranged in opposed relation at the extremities of the inner and outer wall sections and each of said ribs having a beveled inner face terminating with the ends of the concaved faces of the cross-walls.

1,406,355. AGITATING MECHANISM. MAX DONAUER, Elyria, Ohio, assignor to The Elyria Enameled Products Company, Elyria, Ohio, a Corporation of Ohio. Filed Oct. 27, 1920. Serial No. 419,811. 2 Claims. (Cl. 259—105.)



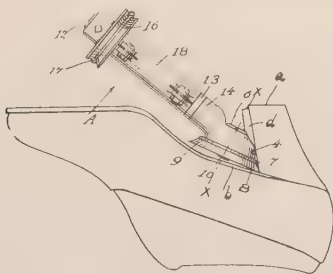
1. In a device of the class described, the combination with a fluid containing vessel, said vessel having cylindrical, vertical side walls and a bottom wall, of a pair of alike pitched propellers, each adapted to rotate within the vessel, said propellers being adapted to rotate in opposite directions and in substantially parallel vertical planes of such a size and positioned so closely adjacent to each other that when so rotated the suction or "fluid drag" between the propellers will cause the propeller projected fluid currents to pass nearly radially from the propeller blades.

1,406,356. CONDENSER. RAYMOND N. EHRHART, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Co., a Corporation of Pennsylvania. Filed Oct. 1, 1917. Serial No. 194,177. 17 Claims. (Cl. 257-43.)



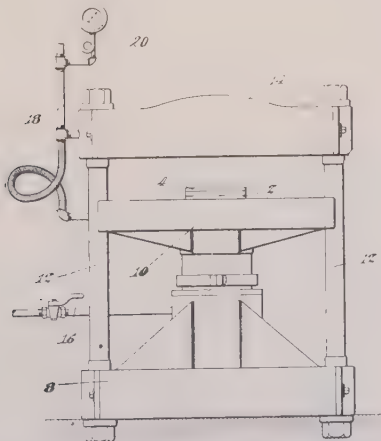
1. A condenser including a nest of tubes, an air outlet port located well within the nest of tubes, and baffles radiating substantially from the air outlet port.

1,406,357. HEEL-BREAST-SHANK-SANDING DEVICE. GEORGE R. ELLIS, Cincinnati, Ohio. Filed July 1, 1918. Serial No. 242,876. 3 Claims. (Cl. 51-197.)



3. A sanding device for the heel breast shanks of shoes comprising an open sided housing, a spindle rotatably mounted in said housing, a shaft, an elongated bushing, a clamping sleeve adapted, together with the elongated bushing, to mount said shaft at an obtuse angle to the axis of said spindle, means carried by said shaft and being adapted to rotate said spindle, a grinding disk carried by the spindle and all of which in combination being adapted to enter the angle between the heel breast shank and the heel breast of a shoe.

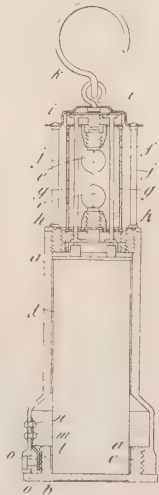
1,406,358. APPARATUS FOR PRODUCING RUBBER SOLES. GEORGE FERGUSON, Wollaston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 25, 1917. Serial No. 188,174. 9 Claims. (Cl. 12-21.)



1. Apparatus for use in the manufacture of turn shoe rubber soles having, in combination, a stock receiving plate recessed to present a cavity to receive the body of

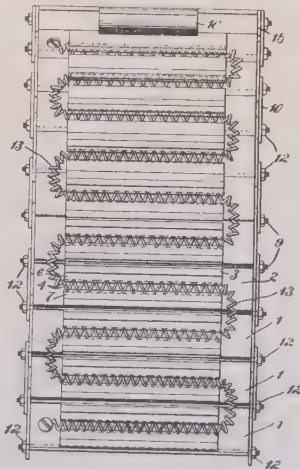
the sole and having along the margin of the cavity an upwardly extending face outside of which is a straight walled groove bounded on the outer side by a serrated marginal face, and an upstanding wall surrounding the cavity, said plate having a top face extending entirely around the cavity; and a pressure plate co-operating with the stock receiving plate and having a face to fit said top face of the receiving plate.

1,406,359. MINER'S ELECTRIC SAFETY LAMP. ARTHUR POYNTON FORD, Stoke-upon-Trent, England. Filed Mar. 10, 1921. Serial No. 451,245. 3 Claims. (Cl. 240-8.5.)



1. A lamp of the class described including a tubular battery holding casing, a detachable base plate carried at one end of the casing, an illuminating unit detachably engaging with the other end thereto, said illuminating unit including separate, oppositely and axially spaced lamp-carrying members, lamps fitted to said lamp-carrying members, and conductor elements between said members for connecting the lamps in parallel.

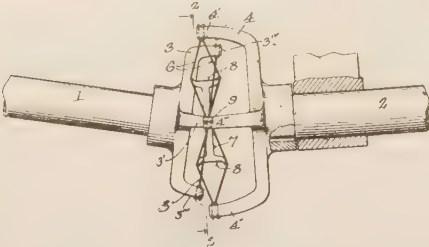
1,406,360. FLEXIBLE WATER HEATER. FRANK F. FORSHEE, Flint, Mich., assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed June 17, 1920. Serial No. 389,610. 16 Claims. (Cl. 219-46.)



1. An electric heater comprising a plurality of refractory supporting members, each member having a resistor

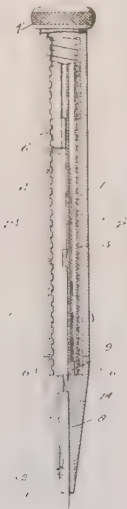
chamber in one face thereof, a resistor wire located in said chamber, and means for holding said supporting members in parallel-spaced relation.

1,406,361. UNIVERSAL JOINT. GEORGE T. FORSYTH, St. Paul, Minn. Filed Mar. 12, 1920. Serial No. 365,150. 6 Claims. (Cl. 64—96.)



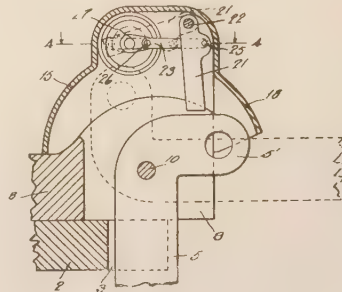
6. A universal joint comprising a set of driving prongs and a set of driven prongs, the corresponding prongs of the two sets being adjacent and opposed, a double flexible cable connecting certain of the driving prongs with the non-opposite driven prongs, a floating spider having a cable-engaging and spacing means on the end of each of its arms, each of said means holding the several intermediate stretches of the double cable spaced apart, and a second flexible cable connecting the remaining driving prongs and the non-opposite driven prongs, said second cable working between the spaced stretches of the double cable.

1,406,362. PENCIL. WALTER C. FOWLER, Trenton, N. J. Filed Aug. 24, 1920. Serial No. 405,650. 4 Claims. (Cl. 120—18.)



3. In a pencil, the combination with an internally threaded barrel, of a smooth cylinder frictionally positioned within said threaded barrel, a point section carried by said cylinder, said cylinder being provided with a longitudinal V-shaped groove, the bottom of said groove terminating into a small longitudinal, hollow, cylindrical passageway concentric with said grooved cylinder, a lead feeding plug or follower of a cross section to fit and slide within said groove, said plug being provided with a portion adapted to slide within the cylindrical passageway, and screw threads on the outer face of said follower adapted to engage the internal screw threads of the pencil barrel.

1,406,363. LOCK FOR SWITCH STANDS. WALTER H. FRANKLIN, Mount Vernon, Wash., assignor to Railway Safety Switch Lock Company, Seattle, Wash., a Corporation of Washington. Filed Feb. 24, 1921. Serial No. 447,374. 5 Claims. (Cl. 246—413.)



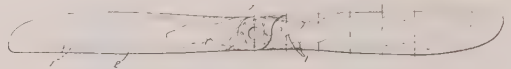
1. A lock for switch stands, consisting in combination with a switch throwing arm, and a lever pivoted to said arm, of a housing mounted on said arm, a detent arranged to prevent the operative movement of said lever, and a key-actuated rotatable arbor operatively connected to said detent to throw the detent into and out of its locking position.

1,406,364. PROPELLER. LOUIS T. FREDERICK, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 30, 1918. Serial No. 268,953. 9 Claims. (Cl. 170—159.)



1. A propeller comprising a non-metallic core and a surrounding body of molded material.

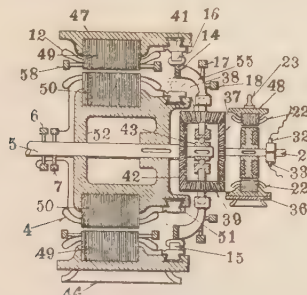
1,406,365. PROPELLER AND METHOD OF MAKING THE SAME. LOUIS T. FREDERICK, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 30, 1918. Serial No. 268,954. 4 Claims. (Cl. 170—159.)



1. A propeller comprising superimposed layers of fibrous sheet material impregnated with a hardened binder in which the hub-forming portions of the layers are disposed substantially parallel to the faces of the hub while the blade-forming portions of the layers are disposed substantially parallel with the thrust faces of the blades.

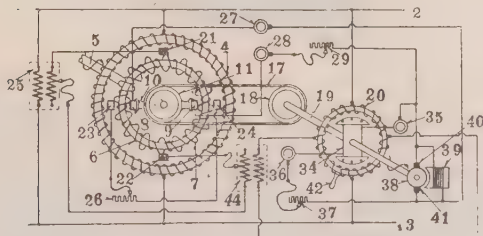
3. The method of forming a propeller which comprises forming a plurality of layers of suitable shapes and sizes from fibrous sheet material impregnated with a binder, superimposing the layers in proper relative positions and reversely twisting their end portions to provide a substantially propeller-shape body, in which the blade-forming portions of the layers are disposed substantially parallel with the thrust faces of the blades and the intermediate portions parallel to the faces of the hub, and compressing and curing the body thus formed to shape it and harden the binder.

1,406,366. ALTERNATING-CURRENT MOTOR. VALÈRE A. FYNN, St. Louis, Mo., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Dec. 26, 1916. Serial No. 138,792. 16 Claims. (Cl. 172—120.)



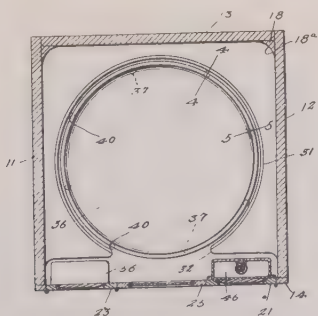
14. The method of starting an alternating current motor having an inducing member, an induced member provided with a commuted winding and a second winding, and revolvable brushes co-operating with said commuted winding, which comprises driving the brushes at synchronous speed, supplying direct current to the brushes, and varying the voltage impressed on the inducing member.

1,406,367. ALTERNATING-CURRENT MOTOR. VALÈRE A. FYNN, St. Louis, Mo., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Dec. 26, 1916. Serial No. 138,793. 11 Claims. (Cl. 172—120.)



1. In a single-phase motor, the combination of an inducing member, an induced member provided with a winding closed along at least one axis, a commuted winding for the induced member, brushes co-operating with said winding, means for supplying direct current to said brushes, and means for revolving the brushes at a speed equal to the synchronous speed of the motor.

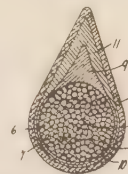
1,406,368. KITCHEN CABINET. WILLIAM M. GALLAGHER, Fort Smith, Ark. Filed Mar. 28, 1921. Serial No. 456,071. 2 Claims. (Cl. 45—16.)



1. In a kitchen cabinet, a casing having its front open, a pair of doors closing the lower portion of said open

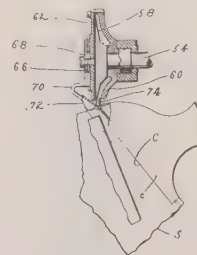
front, doors closing the upper portion thereof, one of said doors including a plurality of independently hinged sections, a plurality of rotatable shelves arranged within the casing, certain of said shelves being alined with said independently hinged door sections, stationary shelves carried upon one of said upper doors and a flour container carried by another of said upper doors.

1,406,369. TORPEDO. JOSEPH GIOIOSA, East Milton, Mass. Filed Mar. 18, 1921. Serial No. 453,412. 2 Claims. (Cl. 102—25.)



1. A torpedo embodying therein an explosive charge, means intermingled therewith adapted to detonate said charge, a layer of sheet material enclosing said explosive charge and said detonating means the edge portion of said sheet material being twisted into a conical shaped projection at one side of said explosive charge and detonating means, a second layer of sheet material covered with an adhesive substance upon both sides thereof and applied to said first mentioned layer of sheet material, the edge portion of said second layer of sheet material being twisted around said conical shaped projection and increasing the size thereof and an outer covering adhering to said outer layer of sheet material and composed of sawdust saturated with an adhesive material.

1,406,370. HEEL-COVERING TRIMMING APPARATUS. PERLEY R. GLASS, Brookline, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Sept. 9, 1918, Serial No. 253,255. Divided and this application filed Oct. 11, 1919. Serial No. 329,996. 21 Claims. (Cl. 12—42.)

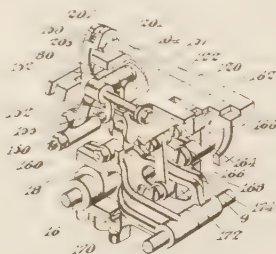


1. In a heel-covering apparatus, a knife rotatable in a plane normal to the surface of a shoe presented thereto, and a guard for contact with the work and between which and the knife the heel-covering may pass.

1,406,371. FOLDING MACHINE. PERLEY R. GLASS, Wayland, Mass., assignor to P. R. Glass Company, Boston, Mass., a Corporation of Massachusetts. Filed June 24, 1920. Serial No. 391,486. 9 Claims. (Cl. 12—55.)

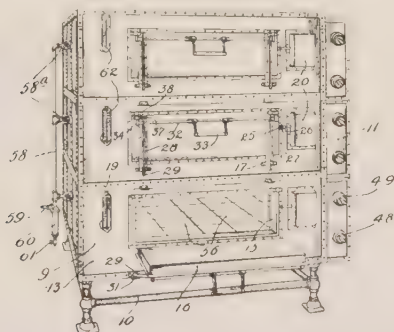
1. A machine of the class described, having in combination, a support for a piece of material, means for forming a fold in the margin thereof, and co-operating members for pressing the fold, one of said members being pivoted and so

easily movable in two directions about an axis substantially parallel to the line of the fold that, immediately



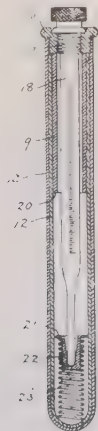
upon contact with the fold and before any appreciable pressure is applied, the pivoted member will accommodate its position to the shape of the fold.

1,406,372. ELECTRIC OVEN. ALBERT E. GRAPP, Minneapolis, Minn. Filed May 21, 1921. Serial No. 471,381. 16 Claims. (Cl. 219—35.)



1. A sectional electric oven made up of units, each unit being a complete oven.

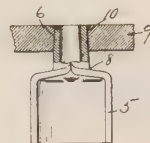
1,406,373. CLINICAL-THERMOMETER HOLDER. JAMES THORNTON GREELEY, Nashua, N. H. Filed Aug. 27, 1920. Serial No. 406,358. 3 Claims. (Cl. 73—52.)



1. A thermometer-holder comprising an elongated tubular casing, closed at one end and provided at its opposite end with a detachable confining member, adapted to releasably confine an inner tube and a thermometer in the casing, a removable inner tube having an annular valve seat, said tube being a sliding fit in the casing and being releasably confined therein by said member, a valve formed to

close on said seat to entrap liquid in the closed end portion of the casing, and also formed to engage a thermometer inserted in the casing, and a spring interposed between the valve and the closed end of the casing to hold the valve yieldingly against the seat, the inner tube being removable endwise from the casing when the confining member is removed.

1,406,374. CALK. MICHAEL J. GRIFFIN, Hartford, Conn. Filed Oct. 28, 1919. Serial No. 333,868. 2 Claims. (Cl. 168—41.)



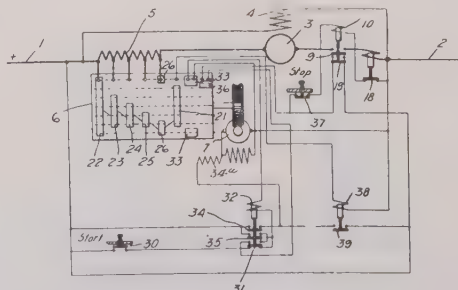
1. A shoe calk comprising a spur, a tubular shank with a single wall split lengthwise thereof to provide for restricted circumferential contraction when the calk is driven to place in a shoe, and a shoulder to determine the extent of movement of the shank into the shoe and consequently the extent of contraction of the shank.

1,406,375. HAIR CURLER. ERNEST J. GUENZEL, Milwaukee, Wis. Filed Nov. 4, 1920. Serial No. 421,666. 2 Claims. (Cl. 132—41.)



1. A hair crimper comprising a pair of crimping jaws extending across one another when closed to define a crimping opening for the reception of a lock of hair, said jaws being adapted to securely grasp and hold the lock of hair at said crossing, one of said jaws being deflected laterally beyond said crossing, the other of said jaws being hooked beyond said crossing in a plane at substantially right angles to the plane of the laterally deflected portion of said first jaw, the hooked portion of said second jaw extending around and cooperating with opposite sides of the laterally deflected portion of said first jaw to lock the jaws together and prevent axial displacement therebetween.

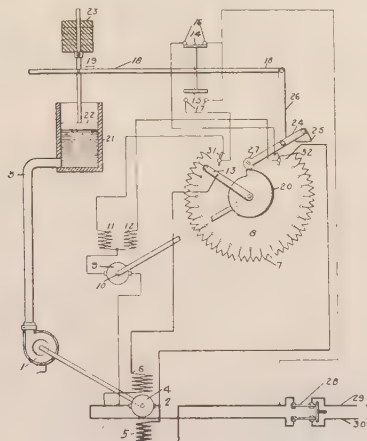
1,406,376. MOTOR-CONTROL SYSTEM. ALBERT L. HARVEY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 10, 1917, Serial No. 190,420. Renewed July 16, 1921. Serial No. 485,399. 11 Claims. (Cl. 172—288.)



1. The combination with a movable device, of electro-responsive means for actuating said device continuously

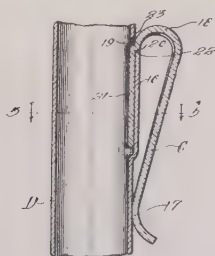
through a complete cycle, a manually operable switch for effecting the closing of the circuit of said electro-responsive means, means for maintaining said circuit closed after a predetermined time interval, and means for operating said electro-responsive means during said time interval upon a momentary operation of said switch.

1,406,377. MOTOR-CONTROL SYSTEM. ALBERT L. HARVEY, Braddock Township, Allegheny County, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 7, 1917. Serial No. 200,662. 7 Claims. (Cl. 172—288.)



6. In a fluid system, the combination with a fluid pump and a main motor for maintaining pressure in the fluid system, a rheostat having a contact arm included in circuit with the main-motor field winding, a cam member rotatable with said contact arm, and a pilot motor having a set of oppositely wound field windings for giving said contact arm and the cam member associated therewith, a rotative movement in a forward and a reverse direction, of means controlled by the pressure in the fluid system and by said cam member for selectively operating the pilot motor to govern the operation of the main motor.

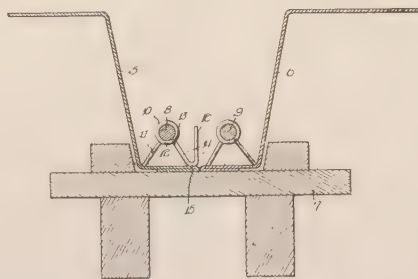
1,406,378. POCKET CLIP. HUGO S. HASSELQUIST, Chicago, Ill., assignor to Autopoint Pencil Company, Chicago, Ill., a Corporation of Illinois. Filed July 24, 1920. Serial No. 398,766. 8 Claims. (Cl. 24—11.)



1. In combination with a casing whose wall is outwardly extended at one point to form a panel behind which is a recess, the casing wall adjacent one end of the panel having a slit which extends in a direction

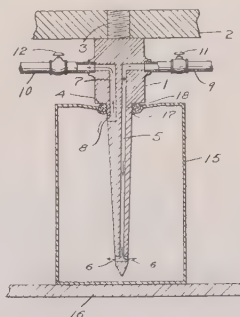
generally transverse to the axis of the casing, a clip consisting of a body bent upon itself to form at one end a base which is adapted to lie wholly within the recess behind the panel, and formed at its other end with a pocket engaging portion, the two end portions of the clip—the one within the recess interiorly of the casing and the other, the pocket engaging portion—being normally spring pressed toward the opposite sides of the casing, the clip body adjacent its bend being disposed within the slit, and having a formation which engages with the adjacent wall portions such as to hold the base in seated relation within the recess, substantially as described.

1,406,379. SADDLE FOR REENFORCING BARS. ARTHUR G. HATCH, Duluth, Minn. Filed Mar. 28, 1921. Serial No. 456,399. 4 Claims. (Cl. 72—122.)



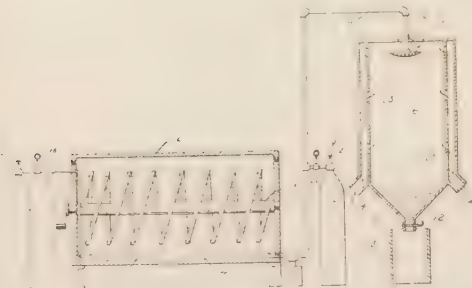
1. A saddle for reenforcing bars, comprising a continuous member forming a pair of spaced supporting legs joined by an open spiral connecting portion of more than one turn forming a plurality of spaced seats for the bar and maintaining the bar in the seats.

1,406,380. PROCESS OF AND MEANS FOR PUTTING UP POWDERED MILK AND OTHER FOOD PRODUCTS IN A STERILE ATMOSPHERE. WILFRID PAUL HEATH, Chicago, Ill., and ROBERT MANN WASHBURN, St. Paul, Minn. Filed Apr. 12, 1920. Serial No. 373,310. 7 Claims. (Cl. 99—8.)



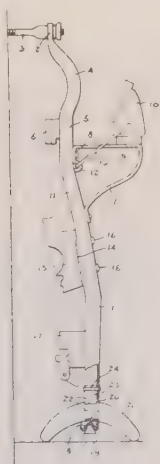
5. Means for putting up powdered milk or other food products for storage in a sterile atmosphere, consisting in the combination with a plunger adapted to be inserted into a food container, of means upon said plunger for sealing the opening through which said plunger projects into said container, said plunger being provided with channels or ducts leading from its outer surface above said sealing means to its outer surface below said sealing means, one of said ducts terminating near the sealing means and the other near the end of the plunger, substantially as described.

1,406,381. PROCESS OF MANUFACTURING POWDERED MILK AND OTHER FOOD PRODUCTS. WILFRID PAUL HEATH, Chicago, Ill., and ROBERT MANN WASHBURN, St. Paul, Minn. Filed Apr. 12, 1920. Serial No. 373,311. 6 Claims. (Cl. 99—5.)



6. The process of producing powdered milk which consists in mixing with natural liquid milk a sterile non-oxidizing gas under pressure, forcing the milk while still under pressure with the gas therein to an atomizer arranged in an evaporating chamber, passing heated air through said chamber and thereby vaporizing and carrying off the liquid constituents of the milk and a part of the gas whereby a solid milk powder is produced impregnated with said gas.

1,406,382. PIANO-ACTION BRACKET. OTTO HIGEL, New York, N. Y. Filed Aug. 30, 1920. Serial No. 406,879. 4 Claims. (Cl. 84—250.)

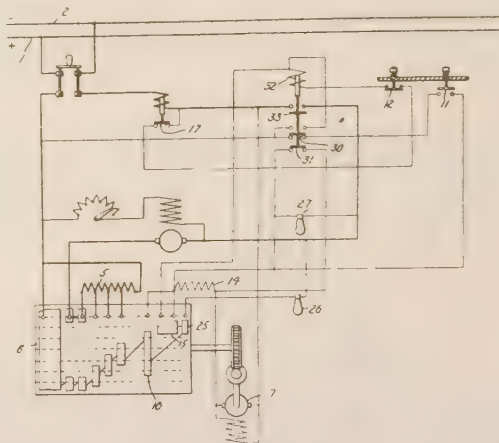


1. A piano action bracket, comprising, a channel shaped sheet metal arm having the web thereof bent inwardly at the end and formed with a socket to rest upon the supporting bolt, and a top end adapted to engage the bracket bolt.

1,406,383. MOTOR-CONTROL SYSTEM. CHARLES H. HODGKINS, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 10, 1917, Serial No. 190,424. Renewed Jan. 5, 1921. Serial No. 435,251. 20 Claims. (Cl. 172—288.)

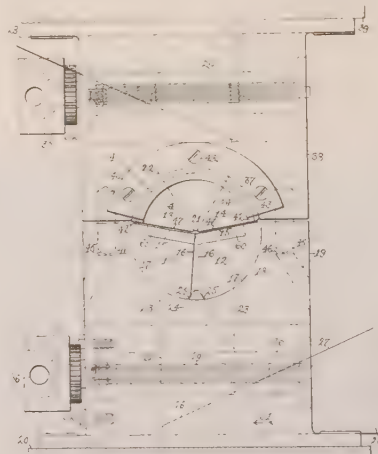
4. In a system of control, the combination with a main motor, a controller for governing the acceleration of said

main motor, and a pilot motor for operating said controller at different speeds, of means for operating said pilot



motor at uniform low speed during the acceleration of said motor.

1,406,384. MACHINE FOR BENDING METAL. JOHAN OSCAR HOLMBERG, Quincy, Mass. Filed Feb. 19, 1921. Serial No. 446,439. 6 Claims. (Cl. 153—31.)

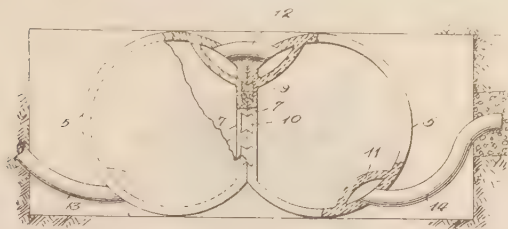


1. In an apparatus for bending metal, in combination, a set of segmental formers movable in opposite directions in circular paths having a common center, means for supporting said formers, a device movable between said formers to effect movement thereof in opposite directions to position the shaping surfaces thereof into different angular relations, and a second set of formers movable in opposite directions in circular paths having a common center and cooperating with the first mentioned set of formers, a support for the second set of formers, a device movable between the formers of said second set to position the shaping surfaces thereof into angular relations to each other and substantially parallel with the shaping surfaces of the first mentioned set, and means for moving said positioning devices.

1,406,385. SEWERAGE DISPOSAL TANK. WALTER P. HOOKER, Salisbury, N. C. Filed Apr. 2, 1921. Serial No. 458,146. 2 Claims. (Cl. 210—6.)

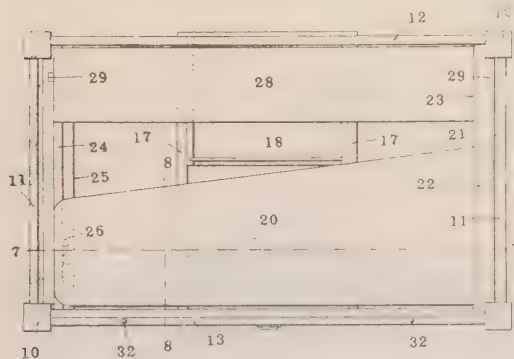
1. An apparatus of the character described comprising a plurality of chambers, each having a flattened face and adapted to be buried in the ground with the flattened faces abutting each other, the flattened faces being provided

with vertically disposed registering grooves, and a plastic bond filling the grooves whereby to prevent one chamber



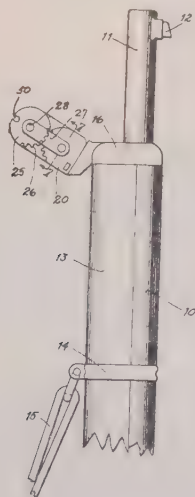
from sinking with respect to the other the flattened ends serving to reinforce each other.

1,406,386. IRONING TABLE. EDWARD R. HOUSTON, Belleville, Ill. Filed May 23, 1921. Serial No. 471,603. 5 Claims. (Cl. 68—10.)



3. In a device of the class described, the combination with a table, of an ironing board adapted to be concealed beneath the top of the table or projected laterally therefrom into operative position, a supporting slide for one end of said board and fixedly attached thereto, a second slide movable into and out of supporting engagement with the other end of the board, and an auxiliary board fixedly carried by said first named slide and engaging with said second named slide.

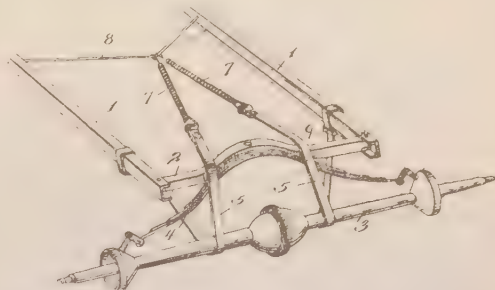
1,406,387. WIRE-CUTTING DEVICE FOR GUNS. MICHAEL HRAB, Syracuse, N. Y. Filed Oct. 17, 1921. Serial No. 508,302. 5 Claims. (Cl. 42—90.)



4. In a wire cutting device, the combination of a removably supporting frame, gear teeth formed on its
295 O. G.—19

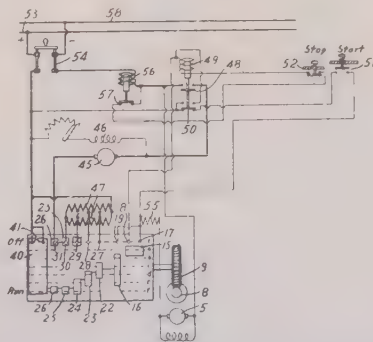
outer end, a plate pivoted adjacent the frame, a disc pivoted to said plate and having teeth engageable with the teeth of said supporting frame, radial curved bottomed notches formed through said plate and disc in register with each other and adapted to receive a wire when in normal position, means operable with the engagement of said wire for rotating said plate and disc backward, said backward movement rotating the disc in advance of said plate throwing the notches out of register and causing said wire to be severed, a spring means with the supporting frame and plate for returning the cutting elements to normal position after severing the wire, and means for removably securing the device to fire arms, the forward thrust of which initially operates the cutting device.

1,406,388. SHOCK ABSORBER FOR AUTOMOBILES. LLOYD R. HUNT, Lexington, N. C. Filed Dec. 4, 1919. Serial No. 342,375. 4 Claims. (Cl. 267—10.)



2. A rebound check for vehicles of the type having springs for supporting the vehicle frame and body on the axles comprising a pair of flexible straps having their intermediate portions looped obliquely under the axle and over a cross member of the frame, to frictionally slide on said axle and cross member in consequence of relative vertical movements between the frame and axle, the ends of the straps which are looped under the axle being extended upwardly and divergently outwardly and provided with means for inelastically connecting them to the respective sides of the frame and the ends of the straps which are looped over the cross member of the frame extending convergently inwardly and longitudinally therefrom, and means for tensioning the convergent ends of the straps.

1,406,389. CONTROLLER. HENRY D. JAMES, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 21, 1916. Serial No. 121,382. 12 Claims. (Cl. 172—288.)

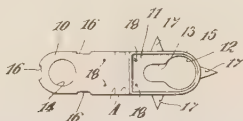


1. The combination with an electric motor, a switch for closing the circuit of said motor and having an actuating coil, and a controller for said motor and for closing the circuit of said coil, of means for continuously operating said controller through a complete cycle, and means for

opening the circuit of said coil without affecting the completion of said cycle.

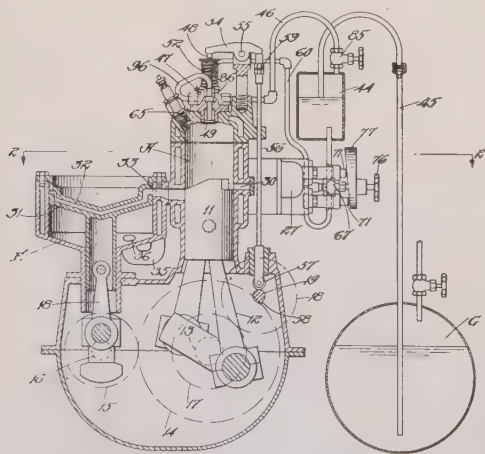
2. In a controller, the combination with a rotatable shaft and a plurality of coacting contact members controlled thereby, of an electric motor operatively connected to said shaft, means independent of said contact members for starting said motor, and means, comprising certain of said contact members, for causing said motor to actuate said shaft in a single direction through successive complete cycles of operation.

1,406,390. FABRIC-FASTENING DEVICE. SAMUEL JASGUR, New York, N. Y. Filed Apr. 12, 1921. Serial No. 460,697. 2 Claims. (Cl. 24 222.)



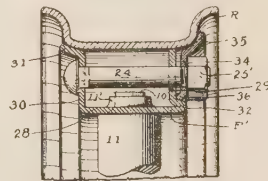
2. In a fabric fastening device, in combination, a foldable blank, an elongated opening in one portion of the blank, an opening in the other portion of the blank capable of being in partial alignment with the other opening when the blank is folded, a flange around the edge of one portion of the blank capable of abutment upon the other portion of the blank when it is folded, a plurality of recesses in one portion of the blank and a plurality of tongues on the other portion of the blank capable of being extended through the recesses and folded over the first portion of the blank.

1,406,391. INTERNAL-COMBUSTION ENGINE. GEORGE W. JESSUP, Jr., Newton, Mass. Filed June 1, 1917. Serial No. 172,296. 13 Claims. (Cl. 123-33.)



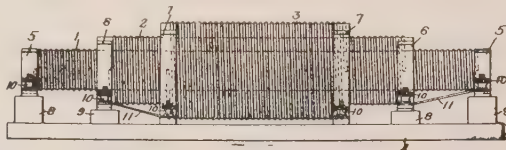
1. In a two cycle internal combustion engine, the combination with a main cylinder having an inlet and an exhaust port, a compressed air operated atomizer adapted to spray a mixture of fuel and air into the main cylinder, an air compressor adapted to force air unmixed with fuel through the inlet port, a relief valve between the air compressor and the main cylinder whereby the pressure of the air supplied to the main cylinder is controlled, yielding means acting on the relief valve, and means for varying the pressure exerted thereby to vary the pressure of the air delivered to the engine.

1,406,392. WHEEL. OTTO H. JOBSKI, Cleveland, Ohio, assignor to The Standard Parts Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 7, 1920. Serial No. 386,962. 2 Claims. (Cl. 301-23.)



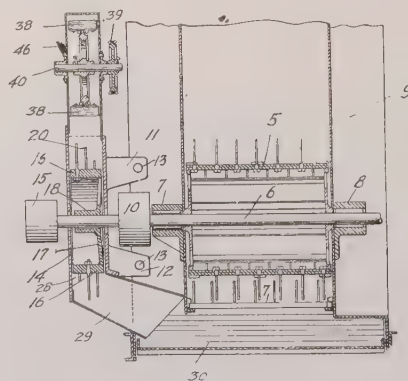
1. In a device of the class described, the combination of a metal felly having a central portion and side portions forming a channel, the metal at the juncture of one of said sides with said central portion being folded back thereon to form a shoulder, a rim on said felly, and means extending between said shoulder and rim for clamping said rim on the felly.

1,406,393. RESISTOR. HOWARD H. JOHNSTON, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 14, 1920. Serial No. 381,503. 13 Claims. (Cl. 219-63.)



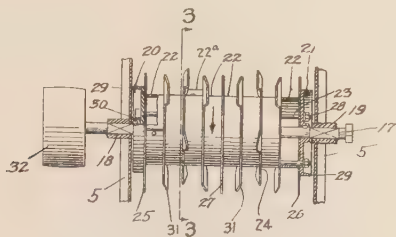
1. In a resistance device, the combination with a self-sustaining resistor, of a larger self-sustaining resistor substantially enclosing said resistor and spaced therefrom.

1,406,394. TAILINGS THRASHER FOR THRASHING MACHINES. JOHN C. JUNKIN, Minneapolis, Minn., assignor to Minneapolis Steel & Machinery Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Dec. 7, 1920. Serial No. 428,902. 7 Claims. (Cl. 130-27.)



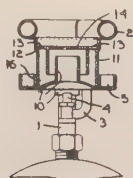
1. The combination, with a thrashing machine casing, of a thrashing cylinder mounted therein and a driving shaft on which said cylinder is mounted, said shaft extending outwardly beyond said casing at one side of the machine and having a driving pulley thereon, an auxiliary thrashing cylinder mounted on the extended end of said driving shaft and aided in its revolution by the momentum of said main thrashing cylinder, and means for delivering the repeat material to said auxiliary thrashing cylinder.

1,406,395. FEEDER SPREADER FOR THRASHING MACHINES. JOHN C. JUNKIN, Minneapolis, Minn., assignor to Minneapolis Steel & Machinery Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Dec. 7, 1920. Serial No. 428,903. 2 Claims. (Cl. 130—1.)



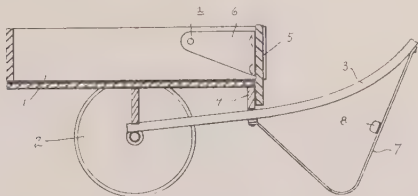
1. A rotatable spreading and distributing cylinder comprising a series of spacing rings having projecting wings, and a series of spreading discs having deflecting and angular blades.

1,406,396. VAPOR BURNER. ROBERT DOWNIE LESLIE and FRANK ERNEST HARGREAVES SNOWDEN, Perth, Western Australia. Filed Nov. 27, 1920. Serial No. 426,736. 6 Claims. (Cl. 158—65.)



1. In a vapor burner an inverted deflecting cup carried by lugs supported on the shoulder of a surrounding mixing vessel having a gauze covered top.

1,406,397. COMBINATION WAGON AND GOCART. WARD W. LINCOLN, Rock Falls, Ill. Filed May 26, 1919. Serial No. 299,680. 3 Claims. (Cl. 280—40.)



1. A device of the class described, comprising a suitably mounted wagon-body, open at one of its ends; and an end-gate adapted to close the open end of said body, and extending downwardly beyond the bottom thereof, and capable of being swung from said position to a point intermediate said body, to form a back for a seat established thereby in conjunction with the opened end of said wagon.

1,406,398. FUEL MIXER. FRED N. LIVINGSTON, Seattle, Wash. Filed July 2, 1919. Serial No. 308,128. 2 Claims. (Cl. 48—180.)



1. A mixing device comprising a plate adapted to be clamped between sections of a fuel-intake for gasoline

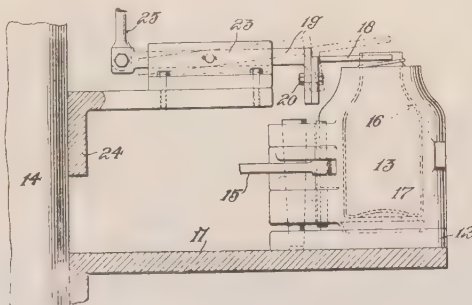
engines, said plate having a hollow boss projecting from its central portion, and said boss having radiating slots in its wall and holes between the slots.

1,406,399. COOKING-VESSEL-SUPPORTING DEVICE. CHARLES L. LUMBY, Chicago, Ill. Filed Feb. 13, 1920. Serial No. 358,356. 1 Claim. (Cl. 53—1.)



A support for a cooking vessel comprising a member having a bottom provided with an opening to seat the vessel, an upstanding encircling wall rising from the bottom, an outstanding marginal rim at the top of said wall, a handle extending laterally from the rim, said rim having an edge recess adjacent to one side of the handle, and a pivoted closure for the recess.

1,406,400. WARE STEADIER FOR GLASSWORKING MACHINES. JAMES W. LYNCH, Alexandria, Ind., assignor to Lynch Glass Machinery Company, Anderson, Ind., a Corporation of Indiana. Filed Mar. 5, 1920. Serial No. 363,468. 8 Claims. (Cl. 49—14.)



8. A device for preventing glass articles from being forced to either side of a mold having separable sections as the mold opens, said device including a movable stop having adjustable fingers adapted to embrace an article centrally positioned in said mold, and means for periodically moving said stop into a working position in which said fingers are about but spaced from the upper portion of the article before the mold opens.

1,406,401. SOLE OR HEEL PLATE. ANTONIO MACALUSO, Geneva, Ohio. Filed July 23, 1919. Serial No. 312,767. Renewed Aug. 15, 1921. Serial No. 492,585. 4 Claims. (Cl. 36—74.)

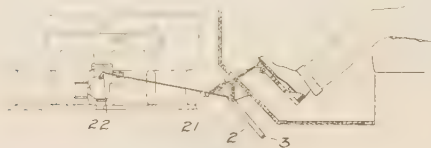


1. A sole or heel plate comprising a body member provided with an oval peripheral edge portion and a plane inner edge portion, said body member being formed with a holding prong projecting from its central body portion, and with a pair of holding prongs intersecting the ends of said plane inner edge portion, said inner edge portion being substantially less in length than the contiguous diameter of said oval peripheral edge portion.

1,406,402. COMBINED BRAKE AND ACCELERATOR. RUSSELL P. MAY, Washington, D. C. Filed Sept. 19, 1919. Serial No. 324,783. 2 Claims. (Cl. 74—81.)

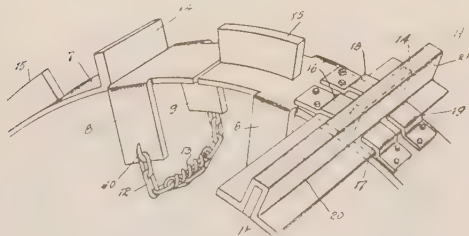
1. A controlling apparatus for motor vehicles, comprising a brake lever, a foot piece pivotally connected thereto, a spring-actuated rod carried by the brake lever and con-

ned to the toe portion of the foot piece, a collar on the rod, a spring-actuated crank pivoted in juxtaposition to the rod and having one end bearing against the collar



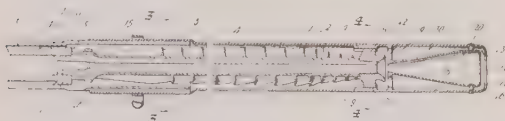
and an accelerator operating rod connected to the other end of the crank whereby the brake lever and accelerator can be operated simultaneously or independently by the application of pressure to the foot piece

1,406,403. ANTISKID DEVICE FOR AUTOMOBILES. PETER MCCOOK, Winnipeg, Manitoba, Canada. Filed Dec. 3, 1920. Serial No. 428,021. 3 Claims. (Cl. 301-44.)



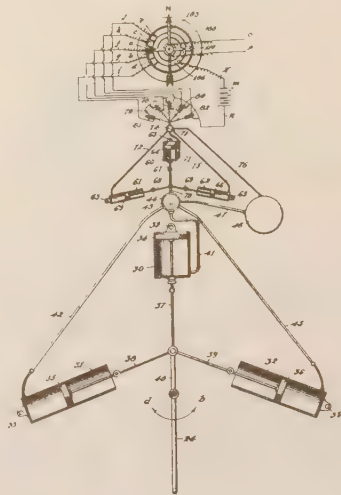
1. The combination with the tire of a wheel, of a shoe applied on the tread side of the tire and attached to the wheel, transversely disposed radially directed ribs extending from the shoe, T-shaped lifting bars crossing the shoe at the ribs and provided with channels receiving the ribs and pairs of clips fastening the edges of the T-shaped bars to the shoe, the said clips being placed at opposite sides of the ribs.

1,406,404. MACHINE GUN. JOHN CHARLES REGINALD MCCRUDDEN, Hurstville, near Sydney, New South Wales, Australia. Original application filed June 19, 1920, Serial No. 390,153. Divided and this application filed June 4, 1921. Serial No. 475,069. 1 Claim. (Cl. S9-1.)



Air cooling and flash masking means for machine guns comprising a finned radiator fixed on the gun barrel, a tubular casing enclosing said radiator and extending forwardly thereof, air admission apertures in the rear part of said casing, a bell shaped muzzle on the barrel; a conical tube concentrically disposed in said casing with its smaller end contiguous to the muzzle but a short distance in advance of it, said tube extending forwardly of the barrel muzzle within said casing, clearance spaces around said bell and said conical tube, an incurved lip on the forward end of said casing shielding the annular clearance space around said conical tube, said lip adapted to inwardly deflect outgoing draft and to shield from view burning gases within said clearance space, and said conical tube at its narrow end being of slightly greater diameter than the barrel bore and at its forward end substantially greater in diameter than said bore.

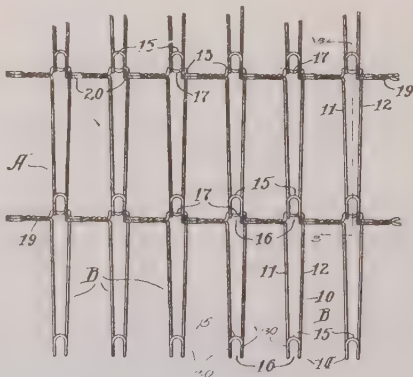
1,406,405. AUTOMATIC CONTROL MECHANISM. WILLIAM HARVEY MCGEE and RENE S. BERRY, Los Angeles, Calif. Filed Feb. 21, 1918. Serial No. 218,549. 3 Claims. (Cl. 172-282.)



1. In a vessel, a rudder for steering same, an air pressed piston normally maintaining the rudder in a central position, a pair of opposed air pressed pistons connected to the rudder on opposite sides thereof, and valve controlled means for exhausting pressure behind either of the last named pistons and the first named piston whereby expansion of air behind the other piston will operate to swing the rudder, and means operating on said valve means on deviation of the vessel from its course to swing the rudder and normally maintain the vessel in a course.

2. In a steering mechanism of the class described, a rudder, an air pressed piston normally centering said rudder, a pair of separate air pressed pistons arranged to exert opposed thrusts on said rudder, a valve for controlling air pressure on said pistons, triple air pressed pistons operating to normally maintain the valve in a central position, a second valve for controlling air pressure on said last named pistons, and electrical means for normally holding said last named valve in a central position adapted to turn said valve in either direction.

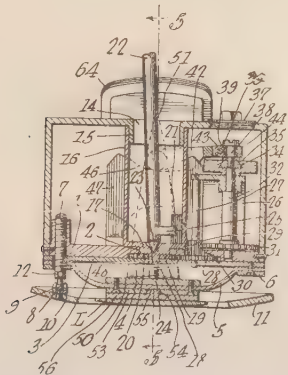
1,406,406. WIRE-LINK FABRIC. WILLIAM J. MAHONEY, St. Paul, Minn. Filed Mar. 1, 1920. Serial No. 362,213. 3 Claims. (Cl. 245-5.)



2. A link wire fabric, having a series of links formed from a piece of wire, the sides of said links converging toward one end thereof, a hook formed on the small end of each of said links, a hump formed in the other end of each

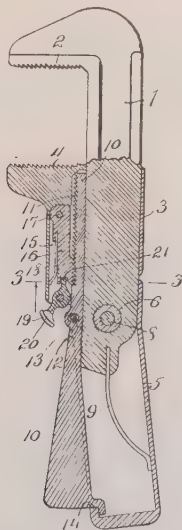
link adapted to separate the sides of said link, and a hook formed by the ends of the wire forming said link extending from one side of said link at the end having said hump.

1,406,407. LENS-GRINDING APPARATUS. GEORGE PERLEY MILLER, Foxcroft, Me. Filed May 10, 1920. Serial No. 380,221. 12 Claims. (Cl. 51—124.)



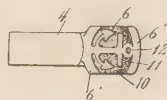
3. Lens grinding apparatus for use on a rotating lap, said apparatus including means for engaging a lens, a ring for engaging the lap off center so as to be driven by the lap, mechanism operated by the ring during its rotation, for rocking said lens engaging means relative to the lap, and yielding means for pressing the lens engaging means toward the lap.

1,406,408. WRENCH. WILLIAM M. MYERS, St. Joseph, Mo. Filed May 28, 1920. Serial No. 384,845. 3 Claims. (Cl. 81—126.)



1. A wrench having a shank provided with a fixed jaw, a handle pivoted to the shank, a jaw slidable on the shank, a member adapted to be grasped by the hand with the handle and engaging the handle and movable thereby toward the fixed jaw when the handle and member are compressed and one moved toward the other, and releasable means for locking the slidable jaw and said member together, substantially as set forth.

1,406,409. ANTIRATTLER FOR WINDOW SASHES. HOWARD C. NOBLE, New Britain, Conn., assignor to North & Judd Manufacturing Company, New Britain, Conn., a Corporation of Connecticut. Filed Jan. 13, 1921. Serial No. 436,904. 1 Claim. (Cl. 292—343.)

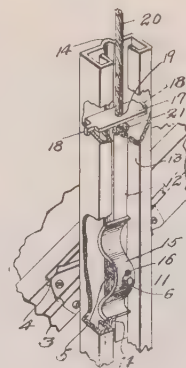


An anti-rattler for window sashes, comprising a wedge-like body, the sides of which are in parallelism, and which is adapted to be inserted between a sash and its frame, and a handle for and wider than the body on a simple curve and extending at an angle thereto for the purpose of inserting the wedge into operative position and withdrawing it from said operative position when necessary, the front face of the handle being roughened.

1,406,410. FIBER BOARD. JAMES C. PEABODY, Boston, Mass. Filed Oct. 24, 1917. Serial No. 198,219. 3 Claims. (Cl. 92—21.)

1. The herein-described material composed of fiber impregnated with regenerated cellulose, the whole being rendered hygroscopic by the presence of a deliquescent salt.

1,406,411. WINDOW-SASH ATTACHMENT. WILLIAM EDWARD PETERS, Carbondale, Pa. Filed Oct. 19, 1920. Serial No. 417,959. 2 Claims. (Cl. 20—49.)

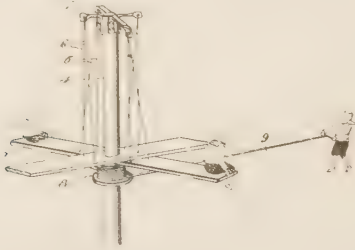


1. In a device of the class described, the combination of a plate provided with a groove, said plate provided with an axle, a runner casing on said axle and said runner casing provided with an outwardly-extending bead on its back or rear portion and said bead adapted to extend into the groove of the plate, said casing provided with a slotted front and portions of the front extending inwardly constituting flanged edges, a bowed spring between said inwardly-extending edges and mounted on said axle, means fastening said spring on said axle, and cord attaching means carried by said runner casing.

1,406,412. AMUSEMENT DEVICE. EDWARD PRICE, Los Angeles, Calif. Filed July 29, 1920. Serial No. 399,665. 1 Claim. (Cl. 46—27.)

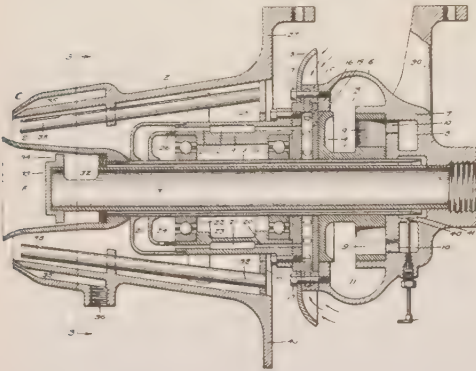
In a merry-go-round, a post, a series of flexible hangers depending from said post, a carriage suspended on said hangers and turnable on said post, a drum carried by said

carriage vertically slidable on said post and a cable windable on said drum adapted on being subjected to a pull



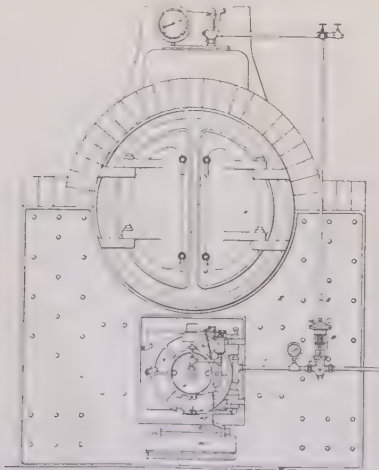
to rotate the carriage in one direction and thereby wind the hangers on the post.

1,406,413. OIL BURNER. WILLIAM R. RAY, San Francisco, Calif. Filed Apr. 1, 1919. Serial No. 286,754. 10 Claims. (Cl. 158—77.)



7. In a burner of the character described the combination with the centrifugal atomizer and the shaft carrying the same, of a bearing member in which the shaft is journaled and a pair of packing caps secured on the forward end of the bearing member, said caps being interspaced to form a pair of annular chambers between the atomizer and the bearing member.

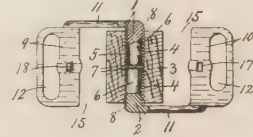
1,406,414. AUTOMATIC AIR AND OIL REGULATOR FOR ROTARY BURNERS. WILLIAM R. RAY, San Francisco, Calif. Filed Jan. 28, 1920. Serial No. 354,711. 11 Claims. (Cl. 158—45.5.)



1. The combination with a boiler and a furnace, of an oil burner for the furnace, means for delivering oil under

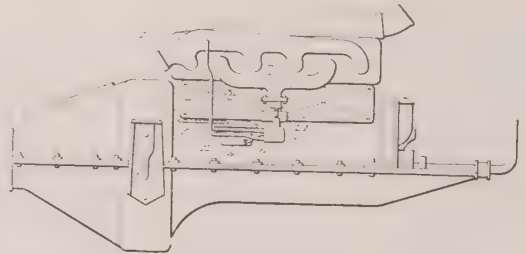
pressure to the burner, means actuated by the steam pressure in the boiler for varying the pressure of oil delivered to the burner, and means actuated by variations in the oil pressure for automatically varying air flow through the furnace.

1,406,415. REIN SPREADER AND GUIDE FOR HARNESSES. SAMUEL W. REYNOLDS, Scranton, Pa., assignor to Reynolds Manufacturing Company, Toledo, Ohio, a Corporation of Ohio. Filed June 28, 1920. Serial No. 392,209. 2 Claims. (Cl. 54—73.)



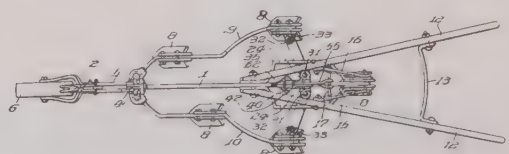
1. In a device of the character described, the combination of a roller having a central lengthwise opening, separate U-shaped members, each having one of its arms provided with annular shoulders in spaced relation, split bushings journaled upon the shouldered arms between the shoulders thereof, said bushings being tightly fitted in the lengthwise opening of the roller, each of the U-shaped members being rotatable about the axis of the roller within its bushing and having its other arms provided with a lengthwise slot, said slots being registered with each other when the members are folded one upon the other to receive a supporting member.

1,406,416. CHARGE-FORMING DEVICE FOR INTERNAL-COMBUSTION ENGINES. WALTER L. RICE, Denver, Colo. Filed Sept. 13, 1920. Serial No. 409,953. 7 Claims. (Cl. 123—19.)



1. A fuelizing carburetor, comprising means including a pipe connected to the exhaust manifold at one end and to a passageway leading to a needle valve's discharging aperture; a hand operated needle valve in said discharge aperture; and means connected to said passageway, including a coil of pipe for volatilizing the gasoline in and by the exhaust gases of the manifold before air is admitted to the gasoline.

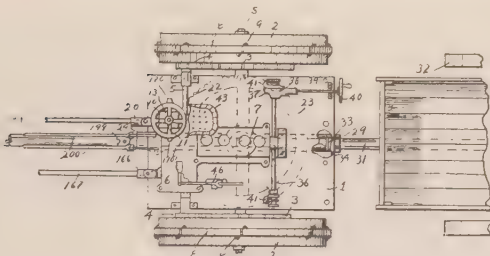
1,406,417. CULTIVATOR. DAVID R. RICHIE, Lansdowne, Pa., assignor to S. L. Allen & Co., Inc., a Corporation of Pennsylvania. Filed Oct. 29, 1920. Serial No. 420,333. 3 Claims. (Cl. 97—10.)



3. The combination with a cultivator having a middle bar and side bars hinged secured thereto, of a member slidable on said middle bar and comprising a pair of complementary members rigidly secured together, a rack car-

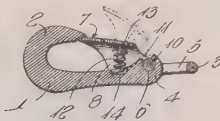
ried by said member, an arm connecting said member with each of the side bars, a slotted bar laterally offset from and carried by said middle bar adapted to receive said arm to maintain said arm in a horizontal plane, a lever carried by said member and pivotally supported thereon and movable with respect thereto, means carried by said lever and cooperative with said rack to lock said lever and said rack in adjusted relation, means operative to release said locking means, and a link movable with respect to said lever and extending between said lever and a point fixed with respect to said middle bar and affording a fulcrum for said lever.

- 1,406,418. UNIVERSAL HITCH DEVICE. ANDREAN G. RONNING and ADOLPH RONNING, Minneapolis, Minn. Original application filed Mar. 6, 1916, Serial No. 82,516. Divided and this application filed June 30, 1919. Serial No. 307,737. 2 Claims. (Cl. 180-14.)



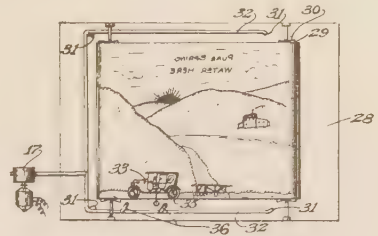
1. A device of the character described comprising a tractor frame, a universal hitch wheel rotatably mounted on said frame, a hitch member provided with a socket rigidly attached to said wheel, and means for detachably and rotatably securing the end of a tongue member in said socket.

- 1,406,419. SNAP HOOK AND METHOD OF ASSEMBLING THE SAME. FRANK E. SCHARTOW, Racine, Wis. Filed Mar. 10, 1921. Serial No. 451,132. 4 Claims. (Cl. 24-234.)



3. A snap hook comprising a hook portion having a shank and a cross head at the rear end of the shank, the shank having a transversely extending passage at its junction with the cross head, the passage being open at one side of the shank and having a reduced slot extension through the upper face of the cross head, a latch having a pivot bar passed longitudinally into the passage to pivotally connect the latch with the shank of the hook and having side arms carrying said pivot bar and extending upon opposite sides of the shank and provided with extensions for engaging the shank and holding the latch against sliding movement transversely of the shank when pivotally connected therewith and engaged by the bill of the hook, and resilient means yieldably holding the latch in engagement with the bill of the hook.

- 1,406,420. SLIDE FOR PROJECTING LANTERNS. FREDERICK W. SCHMIDT, Philadelphia, Pa. Filed Apr. 17, 1920. Serial No. 374,526. 4 Claims. (Cl. 88-26.)

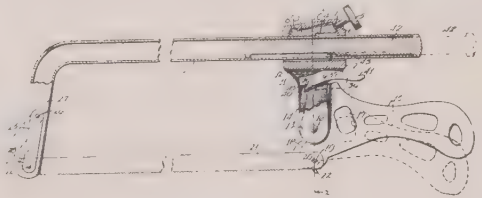


2. The combination with a projecting lantern, of a motor driven air compressor, a slide having ports through which air from said compressor is discharged and having movable objects forming a part of its scenery, said moving objects being actuated by the air.

- 1,406,421. CEMENT AND CONCRETE. EMILIO LONGAN y SENAN, Aytona, Spain, assignor to Alberto Godi di Godio, Genoa, Italy. Filed Feb. 4, 1920. Serial No. 356,294. 6 Claims. (Cl. 106-25.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

2. A process of manufacturing concretes or similar products of great resisting power, which consists in adding to cement a finely powdered and extremely hard granular, crystalline and igneous rock rich in silica and alumina and poor in lime, and adding to the mixture a ballasting material constituted by calcined fragments of rock crystalline of the same nature as that used in the preparation of the cement mixture, whereby the free lime in the cement is caused to react with the powdered rock while the cement reacts chemically upon the surface of the ballasting so as to produce a monolithic concrete of great resistance.

- 1,406,422. HACK SAW. JOSEPH SIDDON, Joliet, Ill. Filed June 3, 1921. Serial No. 474,607. 1 Claim. (Cl. 145-34.)

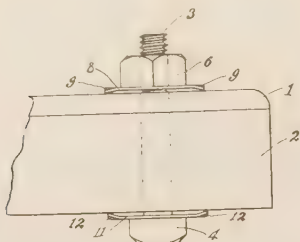


A device of the character described comprising a hollow frame member having a laterally bent end portion, a slidably mounted member disposed within said frame and arranged to be projected at will beyond the open end of said laterally bent portion of said frame, and to support thereupon one end of a hack saw blade, in a plane transverse to the plane of said frame, and a supporting member carried by said frame adjacent said slidably mounted member for fixedly supporting one end of a hack saw blade in a plane parallel to the plane of said frame.

- 1,406,423. NUT AND WASHER. FRANK H. SMITH, Greenwood, Miss. Filed Sept. 13, 1920. Serial No. 409,880. 1 Claim. (Cl. 151-41.)

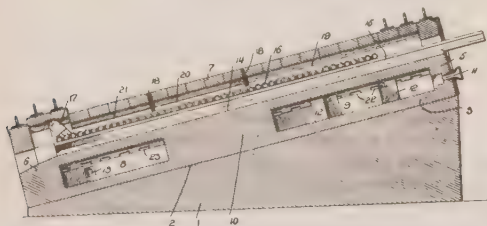
In a device of the class described, a bolt, and co-operating elements comprising a head on the bolt and

a nut on the bolt, one of said cooperating elements being rotatable and having approximately circular hemi-spherical seats on its inner surface; and a spring plate on the bolt, the plate being angular in outline and having corners which are bent to form holding prongs, the plate being



distorted to form approximately circular hemispherical bosses coacting with the seats, to prevent rotation in the absence of a force sufficient to disengage the bosses from the seats, the form of the bosses facilitating rotation, upon the application of sufficient force.

1,406,424. ANNEALING FURNACE. CHARLES E. SORENSON, Dearborn, Mich., assignor to Henry Ford & Son, Inc., Dearborn, Mich., a Corporation of Michigan. Filed Oct. 17, 1919. Serial No. 331,335. 12 Claims. (Cl. 266—5.)



1. An annealing furnace comprising a hearth, compartments above said hearth, and heating means for end portions of said hearth so that the middle portion of said hearth and the compartment above it are relatively cool.

1,406,425. EAR STOPPER. BLAINE A. STAIR, Los Angeles, Calif. Filed May 29, 1918. Serial No. 237,288. 7 Claims. (Cl. 128—152.)

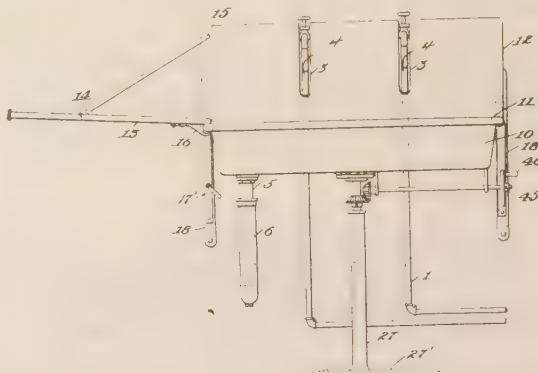


1. An ear stopper comprising a flexible cup-shaped body adapted to be inserted in the ear and having an intumed bottom wall, and an outwardly extending tapered flange on the margin of the open end of said body.

1,406,426. EXTENSION SINK. JAMES M. STEWART, Washington, D. C. Filed Mar. 3, 1920. Serial No. 362,994. 3 Claims. (Cl. 4—36.)

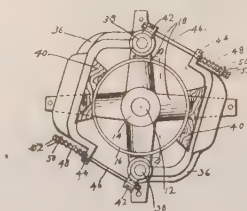
1. In combination with a sink, an upright apron secured

to the rear edge of the sink and having vertically elongated slots therein, supply pipes having portions extending



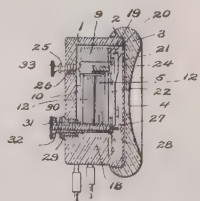
through said slots, means for vertically moving the sink, and means for supporting the sink in any selected position.

1,406,427. FAN GOVERNOR FOR THRASHING MACHINES. GEORGE T. STRITE, Minneapolis, Minn., assignor of one-half to H. W. Bolens and one-fourth to Charles J. Travers, Port Washington, Wis. Filed Mar. 21, 1919. Serial No. 284,114. 9 Claims. (Cl. 130—12.)



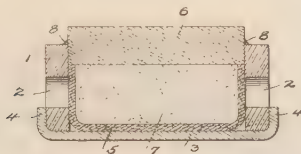
1. A fan governor for thrashing machines comprising a fan shaft, and means interposed between the said shaft and the fan for driving the latter at a constant speed as the speed of said shaft varies above a predetermined lower limit of speed.

1,406,428. TELEGRAPH SOUNDER. CHESTER H. TEEGARDEN, Washington, D. C. Filed Sept. 25, 1918. Serial No. 255,609. 8 Claims. (Cl. 178—99.)



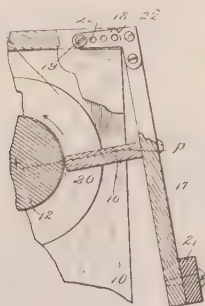
1. In a sounder, a casing of the watch case type, a horse-shoe shaped permanent magnet therein, two pole pieces for said magnet extending toward each other, extensions of said pole pieces extending from the ends of said pole pieces at right angles to said pole pieces, a coil wound on each of said extensions, the two said coils being distinct from each other, an armature pivoted to bridge the ends of said extensions, a spring acting to retract said armature, an adjusting screw for said spring operable from without said casing, and a pair of stops, for limiting the movement of said armature, and operable from without said casing.

- 1,406,429. DRY CELL. GEORGE W. VINAL and HOMER D. HOLLER, Washington, D. C. Filed Jan. 22, 1919. Serial No. 272,454. 5 Claims. (Cl. 204—29.)



1. A cell embodying a tube of insulating material primarily open at both ends, an electrode capping one end of said tube and exposing a flat surface suitable for abutting electrical contact, an electrode closing the other end of said tube and also exposing a flat surface suitable for abutting electrical contact, an absorbent container for electrolyte between said electrodes, and electrolyte in said container.

- 1,406,430. BRAKING MEANS FOR PERFORATED MUSIC ROLLS. WILLIAM A. WATSON, Malden, and WARNER EUSTIS, Newton, Mass., assignors to J. P. Eustis Manufacturing Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Oct. 3, 1919. Serial No. 328,304. 10 Claims. (Cl. 84—134.)



1. In braking means for perforated music rolls, the combination with a support provided with a rotary music-roll carrier, of a brake pivotally hung from said support, above said carrier, and having a friction-shoe projecting forwardly and positioned to act upon and towards a part carried by said carrier, in a direction to one side of the axis of rotation of said part, said shoe when in action being held against movement laterally of the said direction in which it acts.

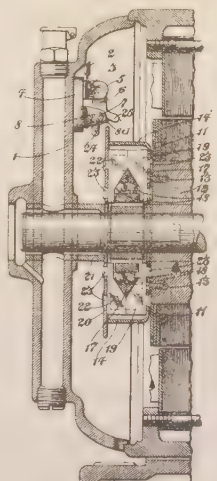
- 1,406,431. AMUSEMENT DEVICE. GEORGE C. WEISS, Oakland, Calif. Filed June 16, 1920. Serial No. 389,464. 1 Claim. (Cl. 46—41.)



In a device of the character described, a flat smooth playing surface, comprising a board representing a horse-

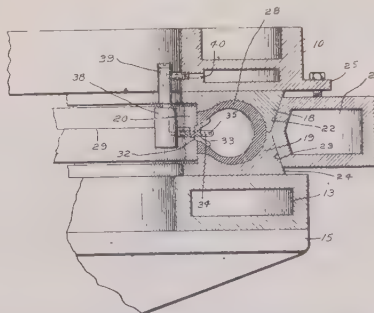
shoe with indicating characters including letters of the alphabet, a series of numbers, words, and signs, arranged around the semicircular edge of the horseshoe; a thin flat pointer pivoted intermediate its ends concentric of the playing surface and having a pointing end with its opposite end embodying an enlarged flat surface adapted to be engaged by the fingers of one or more players in effecting a manipulation of the pointing end in co-operation with the indicating characters for the purpose described.

- 1,406,432. ELECTRIC MOTOR SWITCH. WILLIAM G. WINTER, St. Louis, Mo. Filed Dec. 7, 1920. Serial No. 428,896. 15 Claims. (Cl. 200—80.)



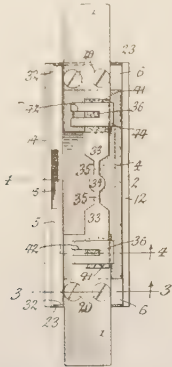
13. In an electric motor switch, the combination of an electric switch controlling the admission of power to the starting coils of the motor, of a disc, connections supporting the disc in connection with the armature and guiding the disc in movements toward and away from the armature, radially movable elements operating to move the disc axially away from the armature as an incident to the running of the motor at a predetermined speed, springs for moving the disc axially in one direction as an incident to stopping of the motor, and means whereby the disc will operate said switch when said disc is moved axially as aforesaid.

- 1,406,433. TIRE-CASING-VULCANIZING MOLD. ROBERT H. ATCHESON, Hartford, Conn., assignor to Henry J. DOUGHTY, Providence, R. I. Filed July 1, 1921. Serial No. 481,737. 8 Claims. (Cl. 18—38.)



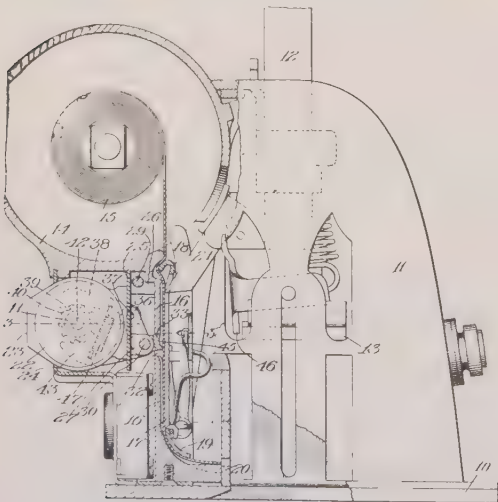
1. In a tire casing vulcanizer, a sectional mold comprising two separable side mold sections, a sealing ring located at the bead portion within the casing, and a separate bead ring forming the inner section of the mold and the other periphery of which engages and determines the inner or outer diameter of the casing.

1,406,434. FUSE. HOWARD H. BAKER, Buffalo, N. Y., assignor to United States Fuse Corporation, Buffalo, N. Y., a Corporation of New York. Filed Nov. 15, 1918. Serial No. 262,720. 8 Claims. (Cl. 200—132.)



3. A fuse comprising a box having a body and a cover, terminals mounted at opposite ends of the box, and means for detachably connecting opposite ends of the body and cover, comprising catches each of which has an outer plate provided with an opening receiving the adjacent terminal, a lip at the front end of said outer plate engaging with said cover, an inner plate connected at its rear end with the corresponding end of the outer plate, and an inwardly projecting flange secured to the body, the outer ends of said body and cover being recessed to receive said catches.

1,406,435. COUNTER-OPERATING MECHANISM FOR STAMP AFFIXERS. WESLEY J. BALKWILL, Rochester, N. Y., assignor to Multipost Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 1, 1916. Serial No. 128,834. 13 Claims. (Cl. 235—91.)

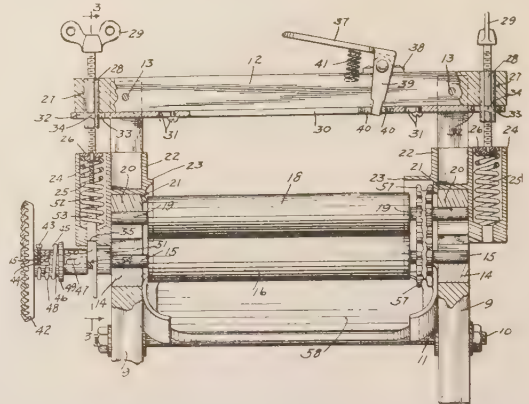


1. In a stamp dispensing mechanism comprising a frame arranged to support a stamp strip, a guideway connected with the frame, a counter operating mechanism and means for feeding the strip through the guideway, said means serving to directly actuate the counter operating mechanism by pressure exerted transversely through said stamp strip.

1,406,436. WRINGER. EUGENE F. BEEBE, Minneapolis, Minn. Filed June 1, 1920. Serial No. 385,658. 14 Claims. (Cl. 68—32.)

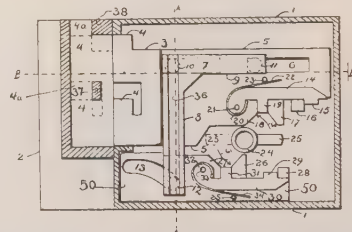
1. The combination with a frame, of cooperating pressure rolls, a yielding held driving element releasably

connected to one of the rolls, a pressure spring operative on one of the rolls, a tension screw operative on the pressure spring and having a sleeve-like nut guided by the



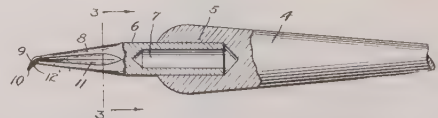
frame, means for holding said nut fixed and for releasing the same, and means connected with and arranged to be actuated by the tension screw when said nut is released to release the driving element.

1,406,437. LOCK. ALEXANDER BLOCK, New York, N. Y. Filed Apr. 6, 1920. Serial No. 371,737. 25 Claims. (Cl. 70—75.)



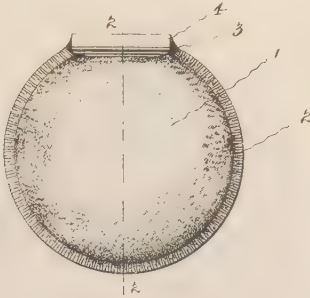
1. In a lock, a bolt having a shank and a locking projection, said locking projection embracing a main locking element and a plurality of subsidiary locking elements fixedly attached thereto, said locking elements being arranged to enter a keeper.

1,406,438. WRITING PEN. HENRY BLOCK, Galveston, Tex. Filed May 16, 1921. Serial No. 469,815. 1 Claim. (Cl. 120—109.)



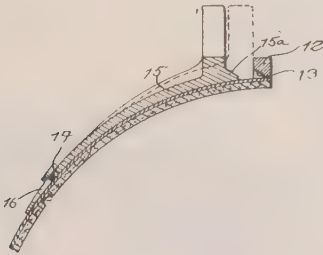
As an article of manufacture, a pen point having the general proximate form of a cone and provided with a small portion having also the general proximate form of a cone the axis of which extends at an angle from the axis of the first-mentioned cone, so as to interpose the bend between the first-mentioned cone and the second-mentioned portion having the proximate form of a cone, said pen point being further provided with passages disposed upon different sides of said first-mentioned portion and extending to the end of said second-mentioned portion, each of said passages being bent in order to conserve a supply of ink.

1,406,439. POWDER PUFF. EMANUEL J. BOYLER, New Haven, Conn., assignor to Nathaniel A. Kaletzky, New Haven, Conn. Filed Nov. 8, 1919. Serial No. 336,647. 1 Claim. (Cl. 132—78.5.)



A container for toilet powder comprising in combination a bag-like structure of fleecy pervious material provided at the edges about its opening with a reinforcing stitching forming a laterally projecting bead, and a combined closure and handle having resilient jaws adapted slidingly to engage the bag beneath said bead thereby to clamp the bag material and prevent the accidental removal of the closure.

1,406,440. TRANSMISSION BAND. WALTER J. BROWN-FIELD, St. Louis, Mo. Filed Mar. 26, 1921. Serial No. 455,925. 1 Claim. (Cl. 188—249.)

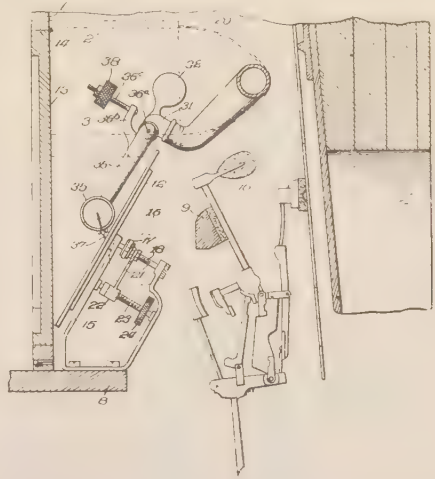


The combination with a transmission band provided at one end thereof with a shoulder, the shoulder having a slot formed therein, of a removable ear having a lug adapted to enter said slot, a headed pin secured to the band at a point spaced from the shoulder a distance less than the length of the ear, and a longitudinal slot formed in the ear and receiving said pin below the head thereof, said slot being of such length that when said pin is disposed in one end thereof, said lug is in engagement with the slot of said shoulder, and when the pin is in the opposite end thereof the lug is freed from engagement with said slot, the last named end of the slot being provided with an angular extension opening from the side of the ear.

1,406,441. COMBINED PIANO AND PHONOGRAPH. MELVILLE CLARK, deceased, Chicago, Ill., by Elizabeth B. Clark, executrix, Chicago, Ill., assignor to The Apollo Piano Company, De Kalb, Ill., a Corporation of Illinois. Filed May 16, 1919. Serial No. 297,490. 2 Claims. (Cl. 247—9.)

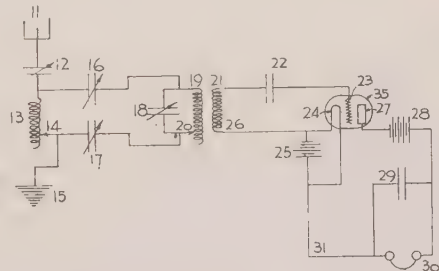
1. In a phonograph in combination with a flat rotatively mounted record carrier having its flat record-supporting surface in a non-horizontal position, a sound reproducing device and a tone arm on one end of which it is carried for swinging over the record on said non-horizontal support, a pivotal support for said tone arm positioned outside the circumference of the record carrier at the upper side thereof, said tone arm having an extension beyond said pivotal support weighted to counterbalance said tone arm about the axis of said support, the tone arm being

jointed at the side of said axis toward the sound-reproducing device for movement of said tone arm and sound-reproducing device toward and from the record, and having an extension at the side of said joint toward the



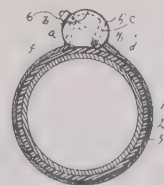
sound-reproducing device back over said joint to a point in the line of the pivotal axis of the tone arm and thence upward and along the line of said axis, and a weight mounted on said extension for movement along the line of the axis.

1,406,442. RADIO RECEIVING SYSTEM. LOUIS COHEN, Washington, D. C. Filed Dec. 28, 1918. Serial No. 268,720. 1 Claim. (Cl. 250—20.)



In a radio receiving system, an antenna, a coil connected through a variable condenser to the antenna, leads extending from the antenna connection and the coil, said last mentioned lead having variable contact with the coil, a lead to ground extending from the last mentioned lead, a loop circuit receiving energy through an electro-static coupling, a coil tightly coupled magnetically to the inductance coil of said loop circuit, and an audion detector connected across said magnetically coupled coil.

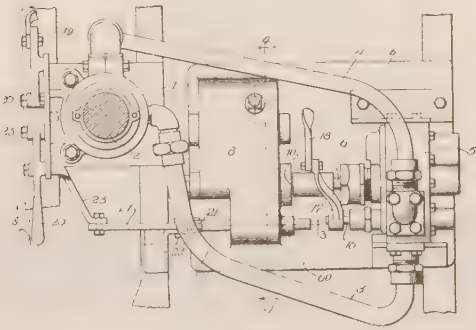
1,406,443. HOSE CLAMP. CLIFFORD SMITH COOK and CLEVE ALTON COOK, Sand Lake, Mich. Filed Nov. 12, 1921. Serial No. 514,602. 2 Claims. (Cl. 24—19.)



1. In a hose clamp, a clamping head having a hole formed upwardly, thence an opening across a segment

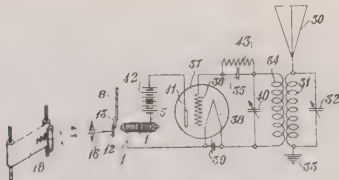
of its periphery, thence a hole formed downwardly, thence a hole formed at an angle and opening at one end of the head, and having a second hole formed diagonally through the head a short distance back of the first named holes, a flexible cable having one end threaded through the first named holes, a metallic tip securely connected with the other end of the cable, said tip screw threaded and passed through the second named hole, and a nut thereon for securely binding the cable around a hose.

1,406,444. POWER-TRANSMITTING APPARATUS. GEORGE A. CRANE, Chicago, Ill. Filed Nov. 24, 1919, Serial No. 340,230. Renewed Dec. 16, 1921. Serial No. 522,955. 8 Claims. (Cl. 298—22.)



1. In a motor vehicle, in combination with the transmission gearing thereof, a hydraulic jack disposed in front of said gearing, a pump mounted over the gearing, mechanism to connect the pump with said gearing so that the pump is operated through a lateral power-take-off from the gearing, and connections from said pump to said hydraulic jack.

1,406,445. PHOTOGRAPHIC RECEIVING APPARATUS. CHARLES A. CULVER, Beloit, Wis. Filed June 19, 1919. Serial No. 305,420. 7 Claims. (Cl. 250—8.)

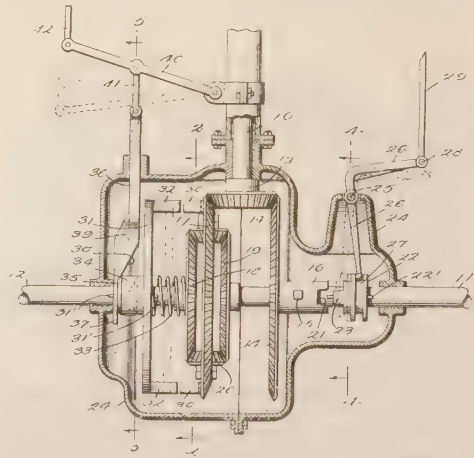


4. The combination with oscillation receiving means, of vibratable means of the spring type responsive to the oscillations of the receiving means, and loading means to indicate the vibrations of the vibratable means and possessing greater inertia than the vibratable means.

1,406,446. DIFFERENTIAL. PETER A. CUSTER, Jacksonville, Fla. Filed Oct. 4, 1920. Serial No. 414,538. 9 Claims. (Cl. 180—17.)

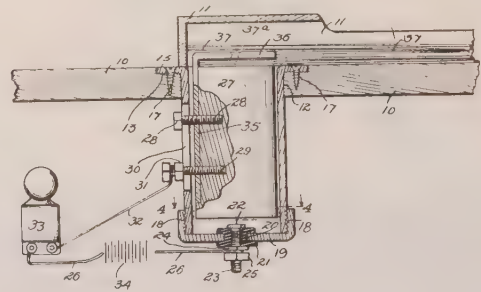
1. The combination with a power drive shaft, a pair of driven shafts and differential gearing connecting said power and driven shafts embodying the usual ring gear rotatably mounted upon one of said driven shafts, an idler gear rotatably mounted upon the other of said driven shafts, a gear secured to each of said driven shafts,

pinions rotatably connected with said ring gear and meshing with the gears secured to said driven shafts and a



pinion secured to said power shaft and meshing with said ring gear and said idler gear, of means for locking said idler gear to the shaft upon which it is mounted.

1,406,447. CASH-DRAWER BURGLAR ALARM. WILLIAM C. DILLON, Fort Dodge, Iowa, CURTISS J. TOAY, Avalon, Pa., WILLIAM H. TOAY, Des Moines, and ARCHIE HANEY, Fort Dodge, Iowa; said Dillon assignor of his entire right to Alexander B. Roderick, Des Moines, Iowa. Filed Jan. 3, 1921. Serial No. 434,574. 2 Claims. (Cl. 200—85.)

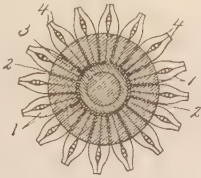


1. In a device of the class described an alarm for money containers comprising a casing having a slot in its side, cap fixed to the lower edge of said casing having an insulated contact point thereon, a weight of conductive material slidably mounted in said casing, guide devices fixed to said weight and extended through said slot, an arm fixed to said weight and provided with a portion spaced from the upper edge of the weight for receiving currency therebetween for holding said weight up and whereby the removal of the currency will permit said weight to drop upon said insulated contact point for closing a circuit.

1,406,448. COMMUTATOR. ALBERT E. DOMAN, Syracuse, N. Y., assignor to Dyneto Electric Company, Syracuse, N. Y., a Corporation of New York. Filed Dec. 18, 1918. Serial No. 267,367. 1 Claim. (Cl. 171—321.)

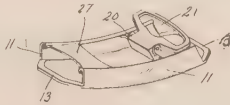
A commutator comprising conductor segments arranged in pairs about a common axis, those of each pair having lengthwise body-portions in contact, each segment having at one end an integral radially projecting tang portion of substantially the same circumferential thickness at the base as the body-portion and gradually ta-

pered toward its outer end whereby the adjacent faces of the tangs of each pair diverge outwardly at an acute angle from the base to permit the wires to be tightly



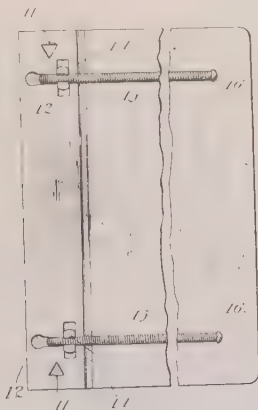
wedged between the adjacent faces of each pair by inward pressure, the outer ends of said tangs of each pair being brought together at the outside of the wires to hold the wires in operative engagement with said faces.

1,406,449. BELT BUCKLE. ALBERT H. EDDY, Cranston, R. I., assignor to Payton & Kelly Co., Providence, R. I., a Corporation of Rhode Island. Filed Apr. 28, 1920. Serial No. 377,200. 3 Claims. (Cl. 24—191.)



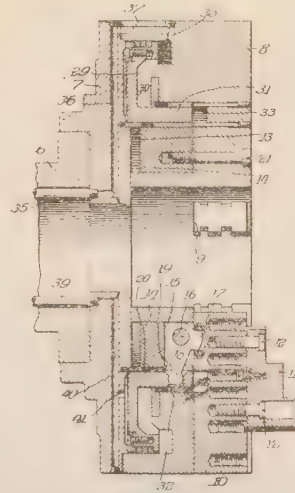
1. A belt buckle comprising a body having rearwardly turned side walls, each being provided with a roller-over edge, a cross-bar spaced above said body and having its ends folded to engage and be secured by said roll of said edges, and a belt-gripping member mounted on said bar and having a portion forming a bail to which one end of the belt is attached and having a gripping edge to bind the other portion of the belt against the inner wall of the buckle body.

1,406,450. BINDER. LOUIS ELKIN, Chicago, Ill. Filed July 29, 1920. Serial No. 399,788. 2 Claims. (Cl. 129—41.)



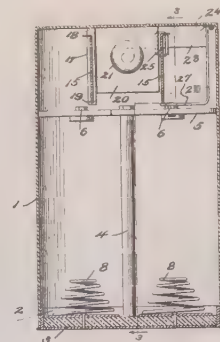
1. A binder comprising a front cover having spaced apertures adjacent its binding edge, a back cover, a folded-in flap along the binding edge of said back cover and provided with spaced apertures, a U-shaped wire structure the parallel arms whereof are coiled to provide flexible impaling posts that extend through the front cover apertures and the portion of said wire connecting said arms interposed between the flap and the back cover and extended through the apertures in said flap, and latching elements adjacent each front cover aperture with which the respective posts coact.

1,406,451. CHUCK. HANS C. ELVERS, Madison, Wis., assignor to Gisholt Machine Company, Madison, Wis., a Corporation of Wisconsin. Filed Feb. 12, 1921. Serial No. 444,335. 6 Claims. (Cl. 279—119.)



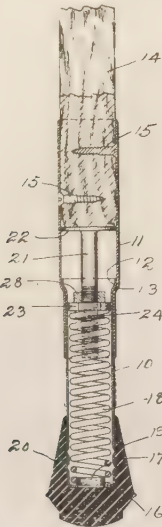
1. A chuck having a body portion formed with radial slideways and with a chamber in rear of said slideways, a block mounted in said chamber and movable between the front and rear walls thereof, levers pivoted in said block, jaw carriers engaged with said slideways and slotted to engage with said levers, and means for shifting said block in said chamber to thereby engage said levers with, and disengage them from, said jaw carriers.

1,406,452. FLASH LAMP. LOUIS M. EVANS and GEORGE W. STEINMANN, Washington, D. C. Filed June 16, 1920. Serial No. 389,456. 1 Claim. (Cl. 240—8.5.)



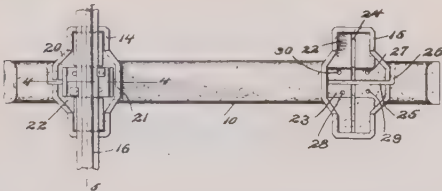
A portable self-contained flash lamp, comprising a housing, a battery holder, snugly received in said holder and adapted to close one end of the same, said holder including spaced plates for receiving batteries there between and electrically interconnecting the same; spring means on the bottom plate for yieldingly engaging the adjacent ends of the batteries, an incandescent lamp supported in the battery portion of said housing adjacent an open form in one of its side walls, circuit closing means for controlling energization of said lamp and shutter pivoting to said housing for regulating the passage of light rays through the opening in the housing and adapted, at times, to direct such rays downwardly from the opening, said shutter co-operating with said circuit means to actuate the same upon its movement to an open or partly opened position.

1,406,453. SHOCK ABSORBER FOR CRUTCHES AND THE LIKE. WALTER F. FANNING, Providence, R. I. Filed May 31, 1919. Serial No. 300,875. 2 Claims. (Cl. 135—53.)



1. In a supporting staff, a shock absorbing device comprising a pair of telescoping tubular shells, one of said shells being mounted on the lower end of said staff and the other of said shells being freely slidable and rotatable in said first mentioned shell, means on the walls of said shell to cooperate for limiting the extending movement of said shells, a rod projecting into said shells from the lower end of said staff, an abutment adjustably threaded on said rod, and a helical compression spring within said shell for maintaining the latter in extended position and having one end engaging said abutment, the lower end portion of said slidable and rotatable shell being intumed to form a flange extending substantially at right angles to the wall of the shell against which the other end of the spring engages, the edge of said flange being extended substantially inwardly and parallel with the wall of said shell for forming a stud to centralize the spring in the shell.

1,406,454. REINFORCED-CONCRETE TIE. WILLIE GRAHAM, New Orleans, La. Filed Nov. 26, 1919. Serial No. 340,831. 6 Claims. (Cl. 238—42.)

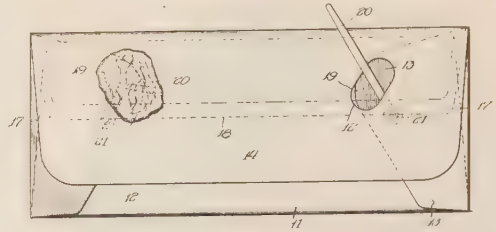


2. A railroad tie comprising a reinforced concrete longitudinal portion and similar integral reinforced concrete cross portions properly spaced to receive the rails and projecting from opposite sides, a marginal wall on said cross portions extending across the longitudinal portion forming an open top recess or chamber adapted to receive cushioning blocks.

1,406,455. AMMONIUM NITRATE FERTILIZER. BIRGER FJELD HALVORSEN, Christiania, Norway, assignor to Norsk Hydroelektrisk Kvaestofaktieselskab, Christiania, Norway. Filed July 8, 1919. Serial No. 309,501. 4 Claims. (Cl. 71—9.)

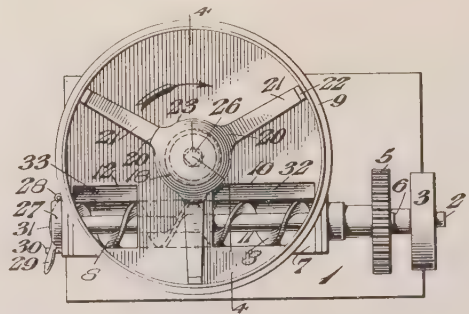
1. A fertilizer consisting of a granulated mixture of ammonium nitrate and phosphate material.

1,406,456. SAFETY ENVELOPE. WALTER F. HAMMEL, Chicago, Ill., assignor to Esther S. Hammel, Chicago, Ill. Filed Aug. 17, 1920. Serial No. 404,157. 17 Claims. (Cl. 229—80.)



1. A device of the character described comprising, in combination, a receptacle and means for closing the receptacle, one of said members having an enlarged opening therethrough, and the other of said members having an extension arranged in said opening, said opening and extension being correlated for the reception of a sealing means adapted to seat in said enlarged opening and to extend between said receptacle and the means for closing the receptacle.

1,406,457. MIXER. CHARLES W. HOTTMANN, JR., Sandusky, Ohio. Filed Oct. 13, 1921. Serial No. 507,454. 8 Claims. (Cl. 259—6.)



1. In a mixer, a stationary casing having spaced ports in its bottom one of which serves as an inlet port and the other as a discharge port, a feed casing, and a feed screw in said feed casing in proximity to said ports and exterior of said casing to cause the material to feed from said discharge port to said inlet port and to circulate in said casing, said feed casing having an additional discharge port through which the material is discharged after being mixed.

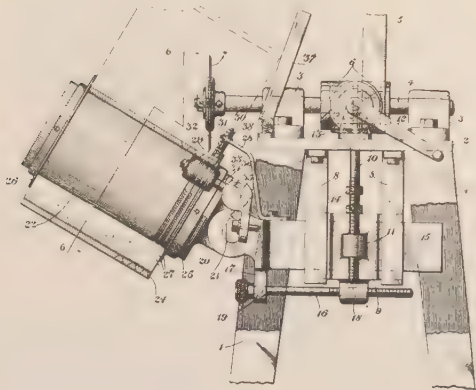
1,406,458. ATTACHING MEANS FOR ANTISKIDDING DEVICE. SIDNEY D. JACOBSON, New York, N. Y. Filed Mar. 30, 1918. Serial No. 225,624. 1 Claim. (Cl. 24—236.)



A snap hook comprising a substantially flat intermediate or body portion, said body portion formed with a hook at one end and the other end thereof being hook-shaped, said hook shaped end being formed with a recess, a closure for said hook shaped end comprising a spring member formed with a rectangular depression, a rivet connecting said spring member to said body member, said rivet having a rectangular head adapted to seat in said depression and

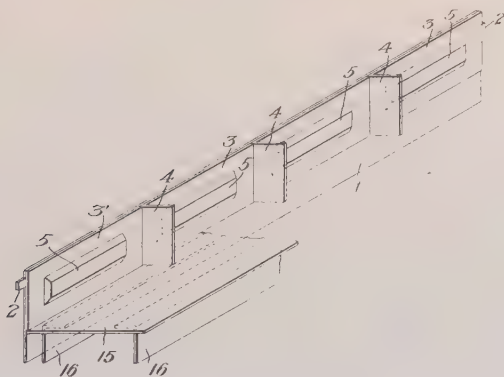
thereby preventing lateral displacement of said spring member, the end of said spring member being adapted to seat in said recess.

1,406,459. CUTTING MACHINE. CHARLES E. KING, St. Louis, Mo., assignor to Capen Belting and Rubber Company, St. Louis, Mo., a Corporation of Missouri. Filed Feb. 18, 1920. Serial No. 359,752. 8 Claims. (Cl. 164-69.)



1. In a machine of the class described, the combination with a frame, a cutter shaft mounted in said frame, and a circular cutter carried by said shaft, of a cylindrical sleeve, a support for said sleeve, means for adjusting the angular position of said sleeve, and means for raising and lowering said support to bring the work into and out of contact with the cutter.

1,406,460. MULTIPLE BRICK MOLD. FRANK J. KINZINGER, Windsor, Ontario, Canada. Filed Mar. 10, 1921. Serial No. 451,411. 5 Claims. (Cl. 25-121.)

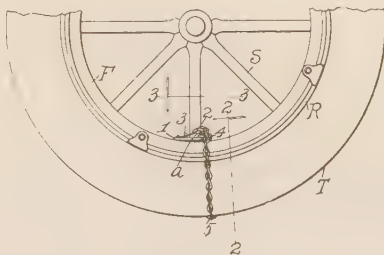


1. A multiple mold for concrete bricks and the like comprising end plates, a series of interposed longitudinal mold forming members each including a vertical base plate and a series of right angle plates secured in contiguous alignment on said base plate, and means for securing the end plates and the mold forming members together.

1,406,461. HOOK FOR ANTISKID TIRE CHAINS. VALENTINE C. KLOEPPER, St. Louis, Mo., assignor of one-half to Charles A. Marien, St. Louis, Mo. Filed Dec. 11, 1920. Serial No. 429,951. Renewed Dec. 30, 1921. Serial No. 525,977. 1 Claim. (Cl. 152-14.)

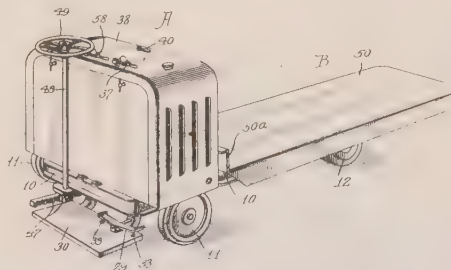
In combination with a spoked vehicle-wheel provided with a tire, a U-shaped yoke passed over a spoke and span-

ning the same on three sides and resting against the felly of the wheel, snap-hooks terminating the arms of the yoke, a link chain spanning the remaining side of the spoke and having its end links coupled to the respective terminal



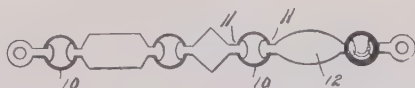
hooks of the yoke, an anti-skid chain wrapped about the tire and felly, the terminal link of the outer wrap of the chain being secured to the hook facing the inside of the wheel, and the terminal link of the inner wrap of the chain being secured to the hook facing the outside of the wheel.

1,406,462. TRUCK. GEORGE F. KNOWLES, Detroit, Mich., assignor to Federal Motor Truck Company, Detroit, Mich., a Corporation of Michigan. Filed June 30, 1919. Serial No. 307,660. 35 Claims. (Cl. 180-54.)



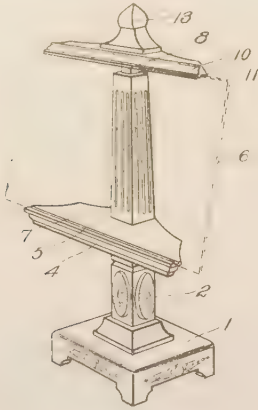
1. In industrial trucks adapted for service under the space restriction conditions of industrial plants, a wheeled unit having power plant and loading sections with the load-receiving surface of the loading section extending substantially parallel and in proximity to the surface on which the truck travels to permit ready loading and unloading of the truck, said unit including a frame having drive and steering wheels and forming a support for the power plant and loading sections with the power plant section in advance of the loading section, and means for driving the truck, said means including a power plant of the internal combustion motor type, and means for operatively connecting such plant with the drive wheels at will, the arrangement being such that the loading section will be located wholly in rear of the crank shaft of the motor.

1,406,463. BEAD CHAIN. CHARLES P. KUEHNER, North Providence, R. I. Filed Mar. 12, 1921. Serial No. 451,927. 2 Claims. (Cl. 59-80.)



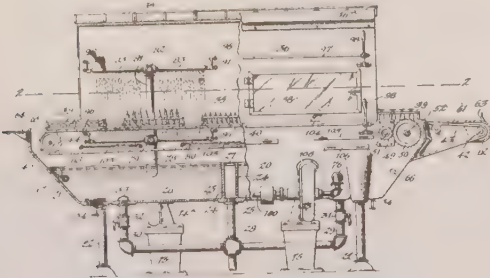
1. A bead chain comprising in combination a series of spaced apart hollow beads, an elongated connecting link for said beads having an enlarged body portion adapted to receive ornamentation, and a head at each end of said body inclosed in the next adjacent beads and connected to said body each by a narrow neck portion.

- 1,406,464. DISPLAY STAND. EDWARD C. LAWRENCE, Kansas City, Mo. Filed Feb. 10, 1921. Serial No. 444,007. 1 Claim. (Cl. 40—146.)



A display stand comprising a standard, a jaw rigid on the standard, a second jaw adjustably supported by the standard and having movement toward and away from the first jaw, off-set grooves in said jaws to receive a card whereby the card will be held at an angle with respect to the standard, and a light-reflecting hood having a light source for directing the rays of light in the direction of the card held between the jaws.

- 1,406,465. DISH-WASHING MACHINE. WILLIAM J. LYNCH, Buffalo, N. Y. Filed Oct. 7, 1919. Serial No. 328,998. 7 Claims. (Cl. 141—9.)

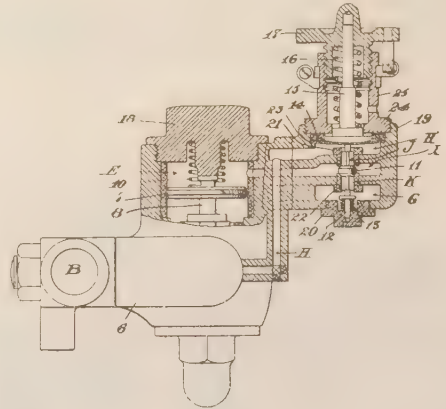


2. A dish washing machine comprising a casing having a plurality of tanks therein, means for supporting dish holding trays in transit through said machine, a manifold communicating with each tank, a plurality of spray pipes connected with said manifold and communicating therewith and each comprising inner and outer sections provided with discharge openings adapted to register one with the other, and means for simultaneously controlling the discharge of water from said pipes.

- 1,406,466. CHARGING VALVE FOR AIR-BRAKE EQUIPMENT. GEORGE E. MAIER, Los Angeles, Calif. Filed Aug. 19, 1920. Serial No. 404,518. 6 Claims. (Cl. 50—11.)

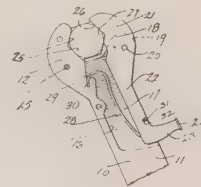
1. In a charging valve for air brake equipment, a valve casing having an inlet chamber, an outlet chamber and ports forming communication between said chambers; a slide valve for opening and closing said ports, a piston chamber in said casing in open communication at one end with the inlet chamber, a piston in said chamber connected to said slide valve, a valve normally opening communi-

cation between the other end of said piston chamber and the intake chamber and closing communication between the piston chamber and the outlet chamber, and means operable by reduction of pressure in the outlet chamber for operating said valve to open communication between the



piston chamber and outlet chamber and to close communication between the piston chamber and the inlet chamber whereby pressure above the piston will be reduced relative to pressure beneath the piston to effect movement of the latter to open the slide valve.

- 1,406,467. RATCHET WRENCH. SAMUEL MATTHEY, Seattle, Wash. Filed Jan. 26, 1920. Serial No. 354,224. 1 Claim. (Cl. 81—99.)

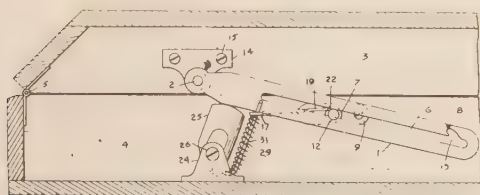


A ratchet wrench comprising a shank, a forwardly extending rigid jaw formed on the shank having working faces formed on its inner surface, a movable jaw extending forwardly of the shank having a pair of working faces formed on its inner surface, the working faces of the jaws being disposed facing each other, the inner working face of the movable jaw being formed relatively shorter than the outer working face, a rearwardly extending handle formed on the movable jaw, an outwardly extending thumb piece formed on the free end of the handle, a pivot pin securing the movable jaw inwardly of the working faces thereof to the shank, spring means engaging the handle for normally urging the movable jaw toward the rigid jaw, the outer face of the handle having a notch formed therein, and a stop pin carried by the shank and arranged to fit in said notch for limiting the swinging movement of the pivoted jaw in one direction.

- 1,406,468. CLOSURE-OPERATING DEVICE. CLARENCE R. MCCOLLUM, Oakland, Calif., assignor of one-half to Frank R. Boysen, Oakland, Calif. Filed Mar. 2, 1921. Serial No. 448,997. 4 Claims. (Cl. 217—60.)

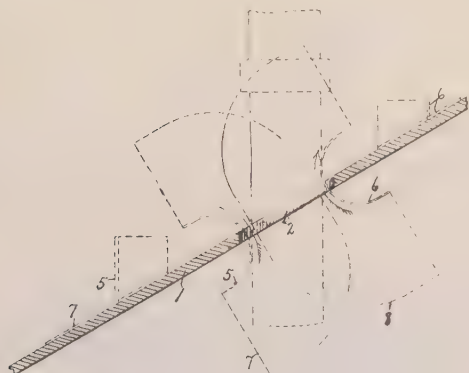
1. In a device of the character described, the combination with a body having a closure hinged thereto, of an arm pivoted at one end to said closure and having a longitudinal slot therein, said slot having a notch therein, a lug on said body extending into said slot and arranged to engage in said notch to hold the closure in raised position, a member pivoted on said body and having a portion on one side of its pivot movable into position to

slidably support said arm so that said notch will move clear of said lug after disengagement of said lug from said notch, means which is movable into position to move said portion of said member into arm supporting position and



which is operated when said member is rocked on its pivot and a portion on the other side of the pivot of said member which is engaged and causes rocking of said member when said notch engages in said lug.

1,406,469. ROOF FLANGE. RHODA M. MCGRAW, Syracuse, N. Y. Filed May 19, 1920. Serial No. 382,490. 2 Claims. (Cl. 285—31.)

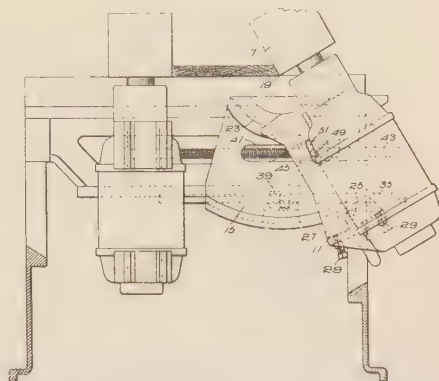


1. The herein described method of assembling and capping roof flanges consisting in making the roof flange in sections, inserting the sections one at a time from the underside of the roof through the pipe opening therein, and temporarily lodging them flatwise upon the roof at their respective sides of the opening and then inserting the pipe with the cap thereon from the underside of the roof upwardly through the opening a sufficient distance to bring the cap above the upper edges of the roof flange sections, and then drawing the roof flange sections against the corresponding sides of the pipe beneath the cap and finally lowering the pipe to cause the cap to embrace the upper edges of the roof flanges.

1,406,470. SIDE-LEG CONSTRUCTION FOR MATCHERS AND THE LIKE. LOUIS T. MEDHOLDT, Winthrop, Mass., assignor to S. A. Woods Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 17, 1921. Serial No. 453,189. 3 Claims. (Cl. 144—90.)

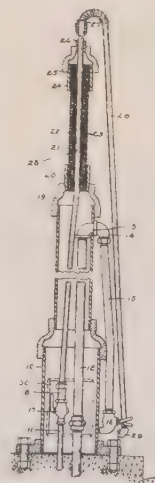
1. A matcher or like machine having a bed over which work is advanced and a side leg comprising a rotary spindle carrying a revolving cutter head to act on work passing over said bed, a mounting for the spindle providing for translative and swinging movements thereof, means at will

to clamp it against one such movement while permitting the other and a traversing means connected to the leg re-



note from the center of such swinging movement and providing for either translative or angular adjustment of the side leg.

1,406,471. AIR AND WATER DISPENSING APPARATUS. JOHN W. MERICKEL, Miami, Fla. Filed Dec. 24, 1920. Serial No. 433,018. 4 Claims. (Cl. 299—77.)

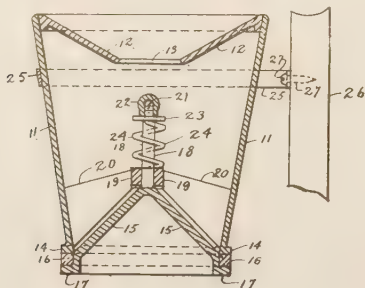


2. The combination with a housing having therein a supply pipe for air under pressure, a hose supporting member a plurality of concentric coiled springs in successively containing relation connecting the supporting member to the housing and tending to maintain the supporting member in upright position and a hose connected to the supply pipe and extending through the coiled springs and the hose supporting member and depending from the outer end of the latter member.

1,406,472. CUSPIDOR. LOUIS MINTZIES, Brooklyn, N. Y. Filed Sept. 7, 1921. Serial No. 498,977. 1 Claim. (Cl. 4—38.)

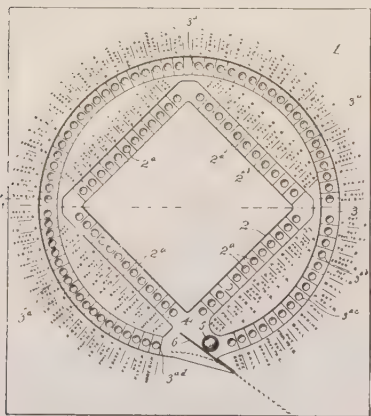
In a cuspidor a main body open at the lower end thereof, vertical webs converging in a hub at or near the lower end of said main body, said webs with said hub being made in one with said main body, a removable bottom, adapted to

close said lower end, said bottom terminating at its upper end in a rod, which is slidably connected to said hub, and



a spring on said hub tending to raise said rod, thereby keeping said bottom against said lower end and thereby closing the same.

1,406,473. GAME APPARATUS. CLARENCE J. H. MILLER, East Cleveland, Ohio. Filed Feb. 15, 1921. Serial No. 445,109. 1 Claim. (Cl. 46—61.)

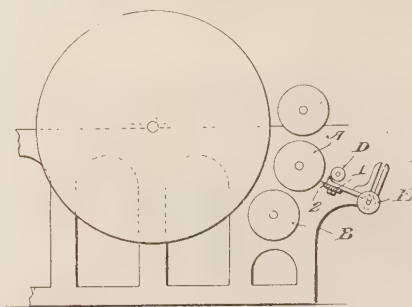


In a game apparatus, a horizontal board provided with a continuous channel of uniform depth arranged to represent the diamond of a base-ball field, and a second continuous channel of uniform depth which represents the outfield, said second channel surrounding the diamond channel and connected therewith at one angle of the diamond which corresponds to the home-plate, a series of separate ball-seats disposed in the bottoms of the channels, significant inscriptions on the face of the board corresponding to the ball-seats, the inscriptions referring to the diamond ball-seats signifying the plays which are ordinarily made on the infield, and the inscriptions corresponding to the ball-seats in the surrounding channel being indicative of the plays usually made in the outfield, and means for propelling a ball from the junction of the channels.

1,406,474. CARDING OR STRAIGHTENING THE FIBERS OF COTTON. DANIEL E. MOLLOY, Fall River, Mass. Filed Aug. 12, 1920. Serial No. 403,005. 1 Claim. (Cl. 19—3.)

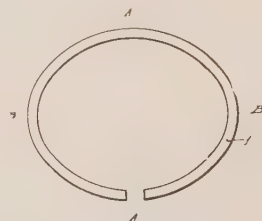
In combination with the feed roll, feed table and licker-in of a carding machine, a knife having an approximately horizontal disposition secured to and beneath the feed table

with its effective edge presented to the periphery of the licker-in and in such close relation thereto so that foreign



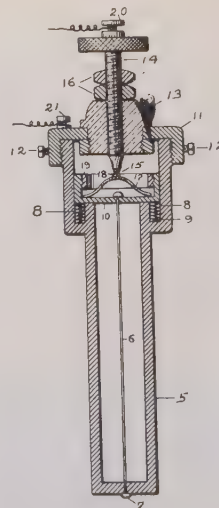
substances will be removed from the lap and combing or straightening of the fibers will occur.

1,406,475. PISTON RING. JOHN F. MORGAL, Indianapolis, Ind. Filed Aug. 30, 1919. Serial No. 320,808. 2 Claims. (Cl. 74—109.)



1. A one piece piston ring elliptical in form, having a portion of one side thereof removed at its minor axis and finished to give it a true circular form when closed.

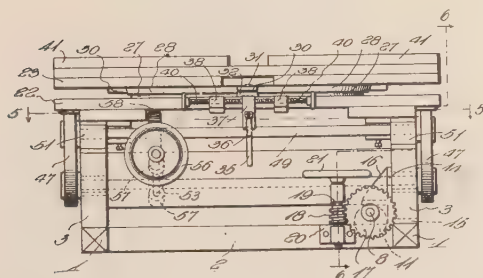
1,406,476. THERMOSTATIC INDICATOR. WILLIAM MORELLI, San Francisco, Calif., assignor of one-half to Phillip J. Walsh, San Francisco, Calif. Filed Aug. 18, 1919. Serial No. 318,430. 1 Claim. (Cl. 200—137.)



A bearing heat indicator comprising a tube, a rod connected with said tube having a different thermal coefficient

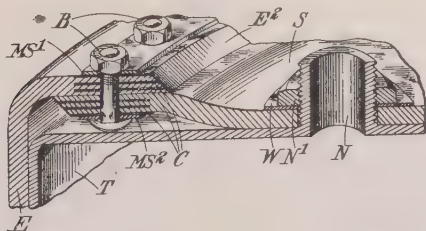
of expansion therefrom, a piston connected with said rod, springs to push the piston against the rod, a spring carried by the piston, a ring for retaining said spring in place and an adjustable contact screw adapted to bear upon the spring when the apparatus is overheated.

1,406,477. STONWORKING TABLE. HIRAM D. MORRILL, Northfield, Vt. Filed Sept. 27, 1920. Serial No. 413,115. 9 Claims. (Cl. 125—35.)



1. A stone working table comprising a base including spaced bolsters, a pivot shaft carried by the bolsters, a stone carrying table having a lower section mounted upon the pivot shaft for rocking movement, an upper section rotatably connected with the lower section, and means carried by said bolsters for tilting the stone carrying table upon the pivot shaft and supporting the table in an adjusted position.

1,406,478. RUBBER-COVERED TANK FOR CONTAINING INFLAMMABLE LIQUIDS. SYDNEY CHARLES MOTE, London, England, assignor of one-half to Archer Philip Crouch, London, England. Filed Nov. 13, 1919. Serial No. 337,803. 7 Claims. (Cl. 220—63.)

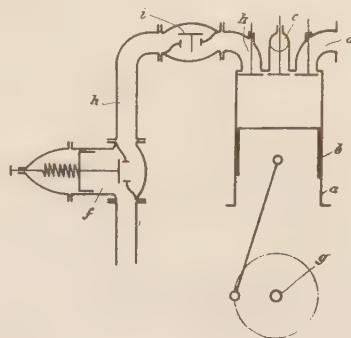


1. For a tank, the combination of a liquid-proof envelope having therein an opening sufficiently large to permit the introduction or removal of a tank, a closure piece for the opening having at least three sides thereof separate from the envelope, and co-operating means adjacent all of the edges of said closure piece and said envelope by which they may be secured together to form a fluid tight joint, and a pull exerted on the margin of the closure piece in the direction of the adjacent margin of the opening in the envelope to keep the opening closed fluid tight without aid from the body of the tank, substantially as described.

1,406,479. PRODUCTION OF GAS MIXTURES OF NITROGEN AND CARBON DIOXIDE THAT ARE DEFICIENT IN OXYGEN. JOSEF MUCHKA, Vienna, Austria. Filed Jan. 6, 1921. Serial No. 435,557. 5 Claims. (Cl. 252.)

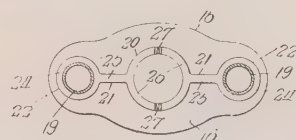
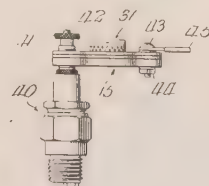
1. An apparatus for the production of gas mixtures that are deficient in oxygen, comprising an internal combustion

engine and means for delivering the exhaust gases from the working cylinder of the engine at a higher pressure



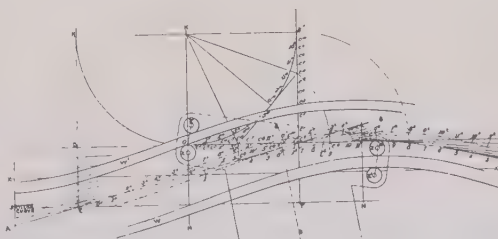
sure than the pressure of the combustible gas mixture at the end of the compression stroke of the engine.

1,406,480. SPARK INTENSIFIER FOR IGNITION PLUGS. HARRY E. MURRAY, Chicago, Ill., assignor to Murray-Dayton Corporation, Chicago, Ill., a Corporation of Illinois. Filed Jan. 12, 1920. Serial No. 350,825. 6 Claims. (Cl. 175—183.)



1. A device of the kind described comprising, a base of insulation having a chamber therein, electrodes fixed in said base, said electrodes being formed and spaced to provide a multiple gap between them in said chamber, a perforated cage secured in said base and forming a continuation of said chamber, and terminals in said base connected to said electrodes.

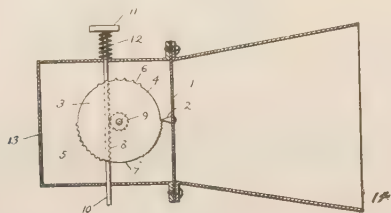
1,406,481. MITER-CURVE CUTTER. ALBERT F. NATHAN, Plainfield, N. J. Filed June 26, 1918. Serial No. 242,045. 3 Claims. (Cl. 164—77.)



1. A miter-curve cutting-machine combining a clamp for sheet-metal; a rotary-cutter; a supporting carriage

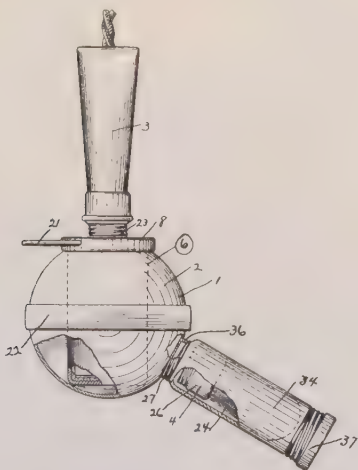
therefor providing a first guide and also a second guide widely spaced apart; a first guide-way coacting with said first guide; and a second guide-way coacting with said second guide, said two guide-ways being mutually so contoured as to cause the cutting point of the rotary-cutter to trace a true miter-curve and maintain the cutting plane of said rotary-cutter accurately tangential to said curve throughout the travel of the carriage.

1,406,482. SOUNDING DEVICE. JOHN P. NIKONOW, New York, N. Y. Filed June 29, 1921. Serial No. 481,270. 3 Claims. (Cl. 116—144.)



2. In a sounding device, the combination with a diaphragm, an actuating drum in co-operation with said diaphragm, said drum having a plurality of actuating sectors with smooth spaces between them, and a plurality of projections on said actuating sectors, said projections being spaced differently in different sectors, so as to produce sounds of different tones.

1,406,483. SHAVING BRUSH. JOHN CLARENCE PAGE, San Francisco, Calif. Filed June 16, 1921. Serial No. 477,958. 1 Claim. (Cl. 15—131.)

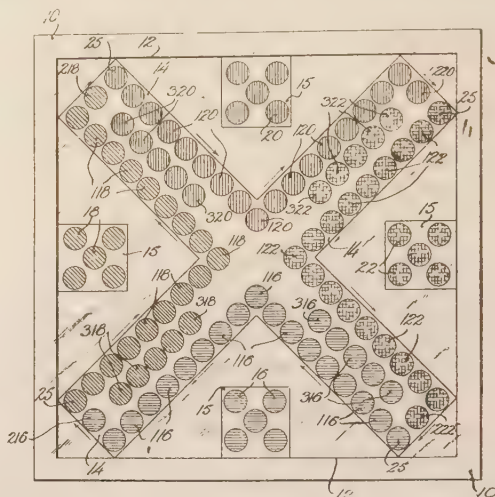


A shaving brush of the character described, comprising a fluid soap reservoir, an electric heater inserted therein for bringing the fluid soap to a desired temperature, a handle, a brush connected with the reservoir having an internal passage leading from the reservoir to the bristles of the brush, the brush projecting from the reservoir at an angle to the handle, a support for the shaving brush and a ring of flexible material cooperating with the same to prevent the scratching and heating of polished surfaces.

1,406,484. CHILD'S RACING GAME. ISIDOR PARIS, Denver, Colo. Filed Mar. 22, 1921. Serial No. 454,577. 7 Claims. (Cl. 46—63.)

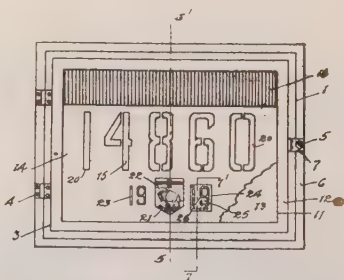
1. A game board having a racing course thereon in the form of a plurality of radiating arms, there being two

rows of spaces on each arm along which spaces playing pieces are adapted to be moved, said rows being connected



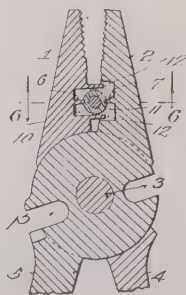
for continuous playing around the course, said rows being arranged in pairs, the spaces of each pair being similarly colored and the different pairs being differently colored.

1,406,485. AUTOMOBILE TAIL LIGHT. JOHN PARKER and THEODORE WILKIE, Winnipeg, Manitoba, Canada. Filed Mar. 29, 1920. Serial No. 369,679. 2 Claims. (Cl. 40—133.)



1. In a combined tail light and license plate for automobiles, a plate presenting an illuminated signal opening, an illuminated license number beneath the signal opening and illuminated year indicating plates beneath the license number and with one of the plates removable and bearing the license number.

1,406,486. PLIERS FOR CUTTING INSULATION. HARRY PERLMAN, New York, N. Y. Filed Apr. 20, 1920. Serial No. 375,268. 4 Claims. (Cl. 81—9.5.)



1. A pair of relatively movable jaws pivoted together, one of said jaws having a transverse blade to sever insu-

lation in a longitudinal direction on a wire between said jaws, and guides for the insulation on opposite sides of said blade and extending beyond the cutting edge of the blade to guide the insulation to the blade.

1,406,487. LUG STRAP. ROBERT THOMAS POWERS, Oxford, Mass. Filed Apr. 8, 1920. Serial No. 372,201. 4 Claims. (Cl. 139-48.)



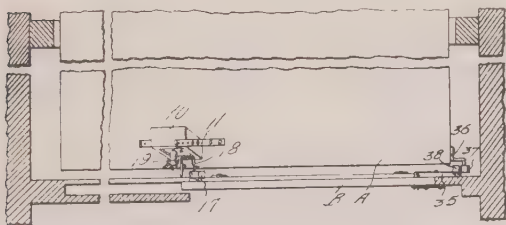
4. The combination with a lug strap, of a dependable bunter, said bunter having a pair of spaced shoulders projecting laterally from each side thereof, each pair of shoulders being adapted to overlap and removably engage the upper and lower longitudinal edges of said strap, and means for preventing relative movement between the bunter and lug strap.

1,406,488. RADIOTHERAPEUTICAL SHIELD. MARGUERITE AIMEE PUGH, New Orleans, La. Filed Dec. 10, 1917. Serial No. 206,497. 2 Claims. (Cl. 174-177.)



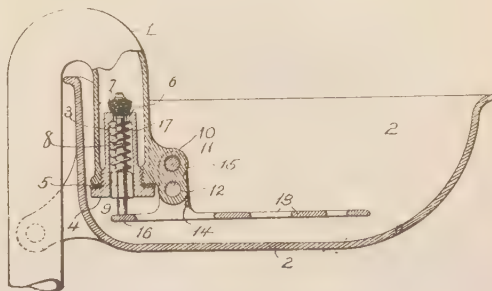
1. A shield of the class described provided with a recess therein in open communication with one side of the shield in combination with a capsule of radio-active material arranged therein, portions of said shield adjacent said recess being shaped to conform to the surfaces adjacent that to be treated, substantially as described.

1,406,489. ELEVATOR-CONTROLLING DEVICE. CHARLES F. QUICK, Dallas, Tex. Filed Jan. 14, 1921. Serial No. 437,290. 5 Claims. (Cl. 187-31.)



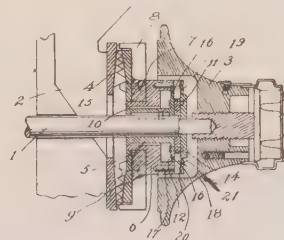
2. In an apparatus of the character described, an elevator car, a circuit associated therewith, a landing door, a circuit closing member pivotally mounted upon the elevator car and having its axis of turning movement inclined from the perpendicular, a weight carried by said member and extending laterally therefrom, means including an element mounted upon the landing door to turn said member past dead center, a latch element secured to the landing door and having a locking extension, a coacting movable latch element having an engaging end to engage and disengage the locking extension, and a shoe carried by the elevator car to move the coacting latch element so that its engaging end disengages the locking extension, the elements being so adjusted that the locking extension remains behind the holding end of the coacting latch element until the circuit closing member has been swung past its dead center and will automatically continue to complete its closing movement.

1,406,490. WATERING DEVICE FOR CATTLE. HUGO C. RASSMANN, Beaver Dam, Wis., assignor to F. Rassmann Manufacturing Company, Beaver Dam, Wis. Filed Aug. 27, 1920. Serial No. 406,342. 3 Claims. (Cl. 119-75.)



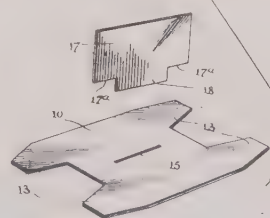
1. In a watering device, the combination of a valved fount, a bowl, an animal-operated lever in the bowl for opening the valve of the valved fount, and separated bearings on the fount for said animal-operated lever, whereby the latter may be mounted on the fount in either operable or inoperable relation to the valve.

1,406,491. AUTOMATIC RELEASE. THOMAS F. RATAIAZAK, Troy, Ohio, assignor to The Hobart Manufacturing Company, Troy, Ohio, a Corporation of Ohio. Filed July 18, 1919. Serial No. 311,813. 8 Claims. (Cl. 64-106.)



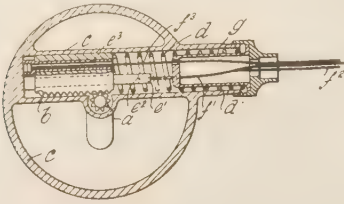
7. In a safety release, the combination of a driving member and a driven member concentric therewith adapted in one position to engage each other snugly, and in another relative position to engage each other loosely, said members being both axially and rotatably movable with relation to each other, and a yielding means on one of the members engaging in a socket in the other member to form a driving connection between said members, for the purpose described.

1,406,492. DENTAL IMPRESSION TRAY. VINCENT MUNGER ROBINSON, St. Joseph, Mo. Filed July 11, 1921. Serial No. 483,896. 4 Claims. (Cl. 32-6.)



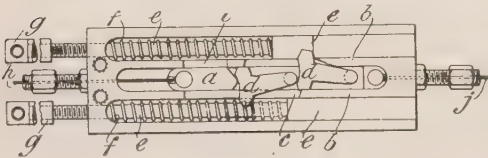
1. A dental impression tray constructed of a single blank of resilient metal bent to form a bottom and side walls, the side walls having tapered tongues extending from the ends thereof and adapted to be bent to center the tray, the bottom wall having an elongated slot therein and a division plate having a tongue adapted to enter said slot.

1,406,493. SIGNALING APPARATUS FOR USE WITH MOTOR-DRIVEN AND OTHER VEHICLES. WILLIAM MAIR ROLPH, London, England. Filed Aug. 23, 1921. Serial No. 494,720. 15 Claims. (Cl. 116—36.)



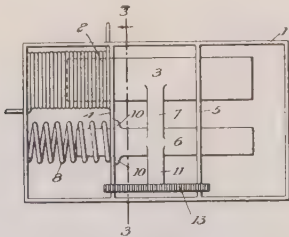
1. The combination of a signaling apparatus, a pinion actuating the signaling apparatus, a rack meshing with the pinion and means for causing the rack to travel varying distances.

1,406,494. SIGNALING APPARATUS. WILLIAM MAIR ROLPH, London, England. Filed Aug. 23, 1921. Serial No. 494,721. 12 Claims. (Cl. 116—36.)



1. Signaling apparatus comprising an indicator, operated by a slide, a catch on the slide, a plunger which engages the catch and moves the slide so that when the slide has travelled the required distance the catch is disengaged and the plunger is free to move without affecting the indicator.

1,406,495. AUTOMATIC COMMUTATOR-BRUSH ADJUSTER. CLARENCE RUMFELT, Oakland, Calif. Filed Mar. 3, 1919. Serial No. 280,269. 1 Claim. (Cl. 171—221.)

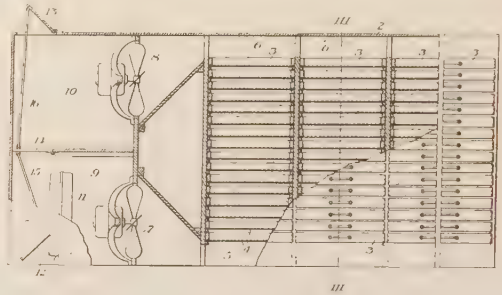


An automatic commutator brush adjuster for dynamo electric machines including a gear secured to the commutator brush carrier, a casing, transverse walls in said casing, a solenoid in said casing included in the brush circuit, the coil of said solenoid being mounted between one end wall and one partition of said casing, the core of said solenoid being slidably mounted in said partition, a plunger connected to the solenoid core and slidably mounted in said partitions, a spring surrounding one end of said plunger between one end wall and one partition of said casing, lugs on said plunger, slots in said partition through which said lugs pass against the tension of said spring when the core is drawn into the solenoid coil, and a rack connected to said plunger, which rack meshes with said gear.

1,406,496. DRIER. FRANK I. RUTLEDGE, Pittsburgh, Pa. Filed May 17, 1920. Serial No. 382,086. 8 Claims. (Cl. 34—39.)

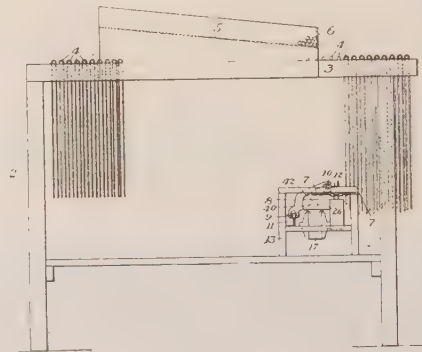
1. A drier of the character described, comprising a drying room and means for supporting the material to be dried therein, two chambers, a reversible air circulating

means for taking the air from one of the chambers to the drying room and from the drying room to the other chamber and vice versa, air valves opening from both of the chambers to the outside atmosphere, and an air valve between said chambers, substantially as described.



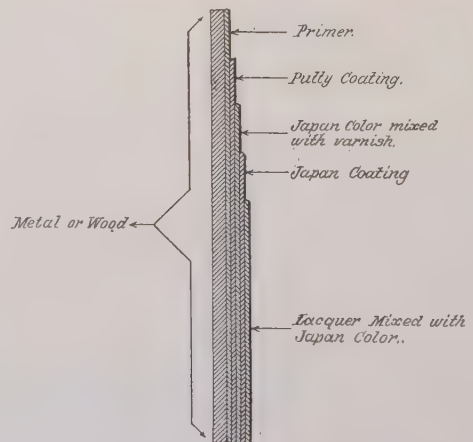
ber and vice versa, air valves opening from both of the chambers to the outside atmosphere, and an air valve between said chambers, substantially as described.

1,406,497. MACARONI-TRIMMING MACHINE. FRANK I. RUTLEDGE, Pittsburgh, Pa. Filed July 12, 1920. Serial No. 395,602. 3 Claims. (Cl. 107—21.)



2. A macaroni-trimming machine, comprising a hanger for suspending the macaroni, and a power-operated cutter arranged to travel back and forth beneath the hanger and trim off the ends of the macaroni suspended therefrom, substantially as described.

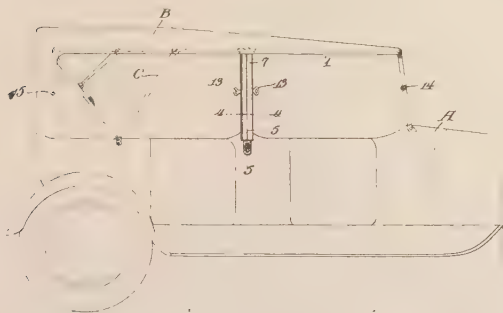
1,406,498. PROCESS FOR ENAMELING WOOD OR METAL SURFACES. JOHN A. RYMER, Oakland, Calif., assignor of one-half to Edward V. Tiffany, Oakland, Calif. Filed July 15, 1919. Serial No. 311,063. 3 Claims. (Cl. 91—68.)



The process of treating surfaces which consists in priming the surface, then treating it with japan color

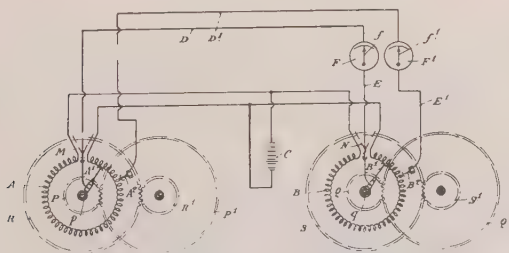
one or more times, then giving it an intermediate coat containing japan, and then treating it one or more times with a mixture containing one-third celluloid enamel, one-third lacquer and one-third slow drying thinner, and rubbing after each such treatment.

- 1,406,499. AUTOMOBILE SIDE CURTAIN. MARTIN B. SANBERG, Middle River, Minn. Filed June 9, 1920. Serial No. 387,647. 1 Claim. (Cl. 296—142.)



A side curtain attachment for automobiles in combination with side frame bars of the automobile top, of a clamp fixed to each of the side frame bars of the top intermediate the ends thereof, a ball and socket joint carried by each of the clamps, a casing suspended from each of the ball and socket joints, parallel curtain rollers mounted in each casing and provided with curtains, a latch bolt carried by the lower ends of each of the casings and adapted to be manually operated, and means mounted on opposite sides of the automobile body to releasably engage the bolts.

- 1,406,500. ELECTRIC APPARATUS FOR INDICATING AND REPEATING MOVEMENTS AT A DISTANCE. EUGENE SCHNEIDER, Paris, France, assignor to Joseph Louis Routin, Paris, France. Filed June 16, 1919. Serial No. 304,653. 7 Claims. (Cl. 177—351.)

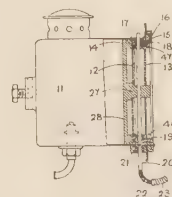


1. Apparatus for indicating and repeating angular movements at a distance comprising a Wheatstone bridge including a source of current and having in one branch of the bridge an annular resistance located at the transmitting station and in the companion branch a similar resistance located at the receiving station, driving contact brushes movable over the station resistances and driven brushes thereat having speed-reducing connections with the driving brushes, and bridge circuits one of which connects the driving brushes and the other connects the driven brushes and indicating means in said circuits.

- 1,406,501. DIRECTION INDICATOR. DOUGLAS WATSON SCOTT, Newcastle-upon-Tyne, England, assignor of one half to Thomas Crow, Newcastle-upon-Tyne, England. Filed Feb. 2, 1921. Serial No. 441,721. 5 Claims. (Cl. 116—45.)

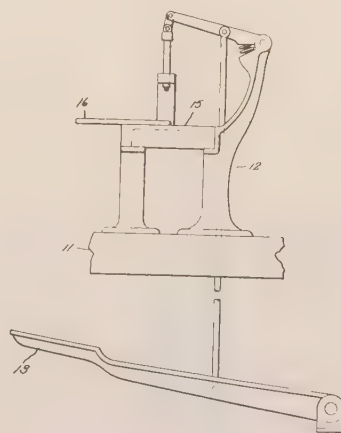
1. A direction indicator comprising the combination of a lamp, a plurality of revoluble shutters having coloured

glasses and openings, means for mounting said shutters in front of said lamp, and means for simultaneously revolving



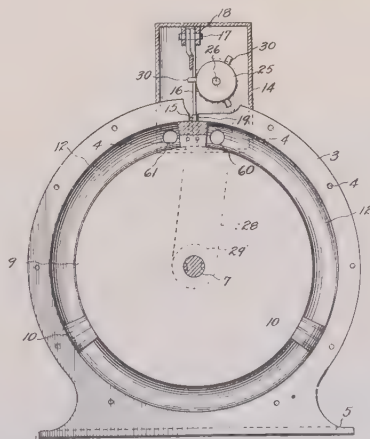
said shutters in opposite directions to bring their coloured glasses into different relative positions.

- 1,406,502. ARTIFICIAL JEWEL. ROBERT SHAND, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Aug. 2, 1920. Serial No. 400,699. 2 Claims. (Cl. 49—85.)



1. The process of making jewels from a vitreous material, which consists in rendering said material plastic, forcing said material through an aperture by a punching operation, forming simultaneously with said operation, a bearing surface on the material being forced through the aperture, and allowing said material to cool.

- 1,406,503. ROTARY STEAM ENGINE. GEORGE SHIELDS, Winslow, Wash., assignor of one-half to Charles L. Morrill, Winslow, Wash. Filed Dec. 30, 1919. Serial No. 348,337. 1 Claim. (Cl. 121—80.)



In a rotary engine of the class described, the combination with a housing forming an annular expansion cham-

ber: said chamber having a slot transversely therethrough and having steam inlet and exhaust conduits opening thereto at opposite sides of said slot, a rotor shaft revoluble within the housing, a disk fixed on said shaft, pistons mounted on said disk and revoluble within said chamber, of a pair of pivotally mounted arms, having abutment members at the free ends thereof adapted to swing from opposite directions into said slot to close said chamber, said arms having inwardly curved portions overlapping each other when said chamber is closed, a roller revolubly mounted adjacent said arms, means for driving said roller from said rotor shaft and posts extendable from said roller engageable with said arms to actuate the abutments from the chamber to permit the pistons to pass thereby.

1,406,504. POWDER DIVIDER. LLOYD SCOTT SIMMONS, Sonoma, Calif. Filed Feb. 3, 1920. Serial No. 355,947. 2 Claims. (Cl. 73—165.)



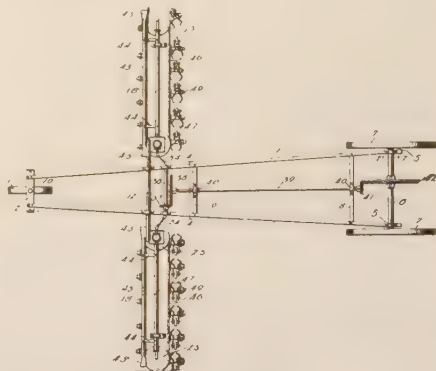
1. A divider of the character set forth comprising a barrel, an adjuster having screw thread connection with the barrel, a plunger within the barrel and having sliding connection with the adjuster, and a spring disposed within the adjuster and normally acting to yieldably hold the plunger retracted in the barrel.

1,406,505. HAND BAG. JACOB SIMS, Brooklyn, N. Y. Filed May 6, 1921. Serial No. 467,482. 2 Claims. (Cl. 150—46.)



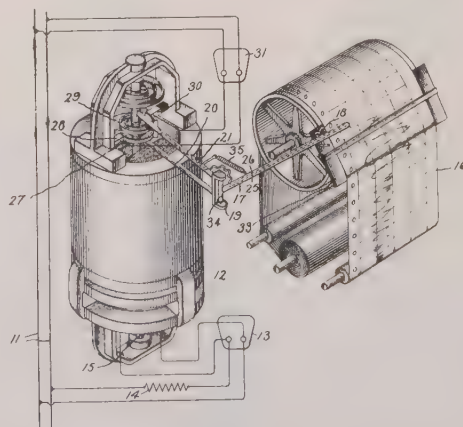
1. A combination hand bag comprising two sections made of fabric and secured to two rings which are connected to each other by means of a hinge, the fabric of one of said sections being sewed to a bottom member which is clamped in a groove in the ring of said section, so that the said bottom member forms a bottom for the said section and the line of stitching is concealed.

1,406,506. HAYRAKE. EVERETT FRANKLIN STANSBERRY, Moravia, Iowa. Filed Jan. 26, 1920. Serial No. 354,045. 2 Claims. (Cl. 56—376.)



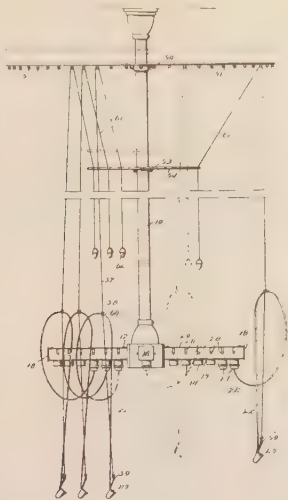
1. A hay rake comprising a frame consisting of side bars, front, rear and intermediate cross-bars connecting the same, said frame carrying a pair of drive wheels at its rear end, and a single guiding wheel at its front end, raking mechanism supported from said frame and extending laterally from opposite sides thereof intermediate its front and rear ends, said raking mechanism comprising a frame consisting of a central supporting beam and a grooved guide beam disposed in front of the supporting beam, an endless rake-tooth carrying belt driven by a pulley carried at the inner end of the supporting bar, pins projecting laterally from face of the endless belt, and rake teeth mounted to rock on said pins, said rake teeth including forked lower ends, a central hub portion adapted to rock on said pins, and bifurcated upper ends disposed at an angle with respect to the hub and lower end, guide rollers carried at said bifurcated upper ends, adapted to be engaged by the grooved beam to hold the teeth in raking position during inward movement of the belt, a drive shaft disposed centrally between the side bars of the first named frame, and driven from the rear wheels, and universal shaft connections between said drive shaft and the inner endless belt pulleys.

1,406,507. RECORDER. JAMES N. TUTTLE, Newton Center, Mass., assignor to General Electric Company, a Corporation of New York. Filed Sept. 9, 1919. Serial No. 322,604. 5 Claims. (Cl. 234—55.)



1. In a recorder, a record sheet, a stylus relatively movable thereto and out of contact therewith, means for heating said stylus, said record sheet having a surface sensitive to the heat radiated by the stylus, whereby a record is secured of the relative movement of the sheet and stylus.

1,406,508. CHANDELIER. ERNEST UNGER, New York, N. Y. Filed July 28, 1921. Serial No. 488,068. 20 Claims. (Cl. 132—36.)



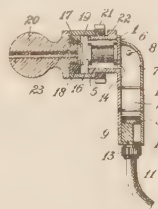
1. A chandelier for supporting a plurality of electric heaters in operative position relative to a person's head in the process of waving the hair on the head, including a depending support, a plurality of horizontally disposed hollow arms extending radially from the lower part of said support, each of said arms provided with a plurality of closely positioned holders, each designed to receive a standard form of readily replaceable sockets adapted to be connected electrically to one of the heaters, a head bracket carried by the support and provided with fixed pulleys mounted above the arms for rotary movement in planes radially disposed relative to the support, a flexible cable looped about one of the pulleys with the outer fall of the loop adapted to be connected to one of the heaters and the inner fall supporting a counterweight disposed adjacent the support whereby the counterweight is disposed in an out-of-the-way position clear of the heaters.

1,406,509. RADIUM APPLICATOR. CHARLES HERMAN VIOL, Pittsburgh, Pa., assignor to Standard Chemical Company, Pittsburgh, Pa. Filed May 9, 1921. Serial No. 467,899. 3 Claims. (Cl. 174—177.)



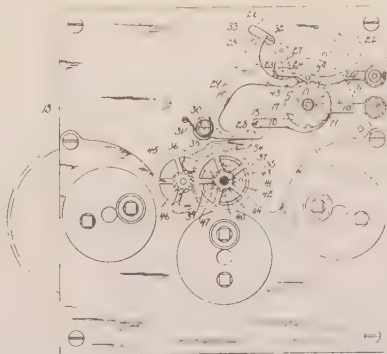
1. In an applicator, the combination with a metal container for radium, of a two part screen enclosing said container, and means for withdrawing the applicator.

1,406,510. AURICULAR TELEPHONE. LOUIS WEBER, Charlottenburg, Germany, assignor to Siemens-Schuckertwerke Gesellschaft mit Beschränkter Haftung, Siemensstadt, near Berlin, Germany, a German Corporation. Filed Oct. 26, 1920. Serial No. 419,780. 10 Claims. (Cl. 179—114.)



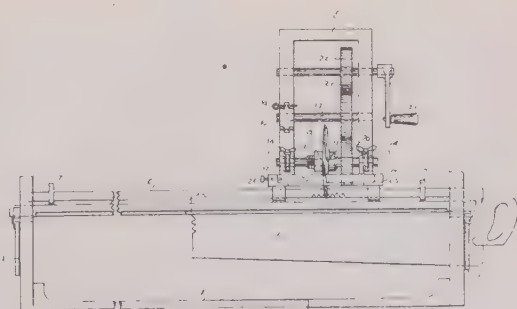
1. In a telephone receiver, the combination of an L-shaped casing, one arm of said casing being adapted to be inserted in the auditory duct, a telephone diaphragm and excitation coils both arranged in said arm and a permanent magnet arranged in the other arm.

1,406,511. CHIME CLOCK. FREDERICK WEHINGER, Waterbury, Conn., assignor to Waterbury Clock Co., Waterbury, Conn., a Corporation. Filed Nov. 10, 1921. Serial No. 514,342. 3 Claims. (Cl. 58—13.)



1. A chime clock having time- and chime-trains, and a frictionally-mounted, chime-correcting unit, moved into its guard position for preventing the chime from sounding by the chime-train and into its clearance position under the control of the time-train and held by friction in its respective positions.

1,406,512. SAW-FILING MACHINE. OLOF J. WESTERDAHL, Seattle, Wash. Filed Nov. 9, 1920. Serial No. 422,777. 5 Claims. (Cl. 76—78.)



1. A device of the class described, comprising a frame, a support within the frame adapted to hold a saw in rigid

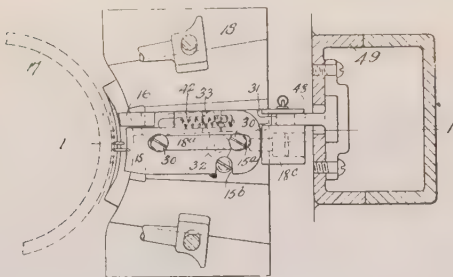
position for filing, a carrier slidably connected with the frame, a file journaled in the carrier, having a disc-like form and provided with an integral cutting edge separated into two laterally extending and adjacent terminal points, one point narrower than the intermediate edge of the file between said terminals, and the other point slightly wider than said edge, said file adapted to enter between the teeth of a saw located in the support and when rotated to file an edge thereof, to advance said carrier and file to operative position against the next tooth of said saw and progressively file one side of all of said teeth, means for rotating the file, and means for reversing the file and carrier, whereby the same may be placed and maintained in operative position for likewise filing the opposite edges of said teeth.

1.406.513. PRESERVATION OF MEAT. GEORG SCHNABEL, Niederoderwitz, Saxony. Filed Apr. 2, 1921. Serial No. 458,058. 4 Claims. (Cl. 99—5.)

1. The process of treating meat which consists in spraying salt onto the meat and then drying it in a current of air at a temperature below the temperature of coagulation of albumin until a loss in weight between 15% and 30% has been obtained.

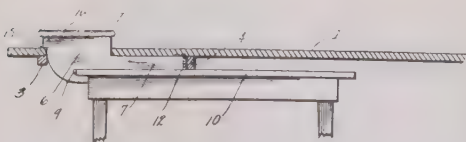
4. As a new product, dried meat containing at least 70 per cent and not more than eighty-five per cent of the water present in fresh meat and having its outer fissures and excavations covered with powdered salt, said meat being stable for several months and after boiling presenting the characteristics of fresh meat.

1.406.514. CIRCULAR-KNITTING MACHINE. GEORGE S. WEINERTH, Reading Pa. Filed Mar. 17, 1921. Serial No. 453,024. 3 Claims. (Cl. 66—12.)



1. In combination with a needle cylinder provided with relatively long-butt and short-butt needles and with cam mechanism therefor; a top needle-lowering cam comprising a radially movable central portion and a movable side portion operative with said central portion but in reverse direction thereto.

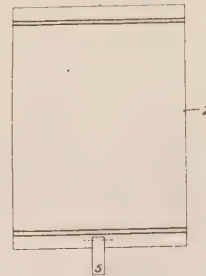
1.406.515. IRONING BOARD. JOHN L. WILCOX, Seattle, Wash. Filed Jan. 26, 1921. Serial No. 439,951. 3 Claims. (Cl. 68—10.)



1. The combination with an ironing board having a longitudinally directed slot in one end thereof, and a transverse supporting bar fixed thereto, of a holding device extendable downwardly within said slot into locked

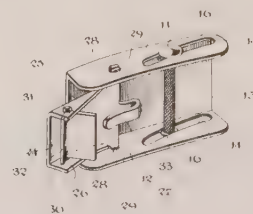
relation with the board and having a horizontal notch therein for receiving the edge of a table or the like whereon the board is mounted in such manner as to co-operate with said cross bar in holding the board in position.

1.406.516. PROCESS OF HANDLING GROUPS OF FLAT PIECES IN LAUNDRIES. WILLIAM S. WILLIAMS and JEROME L. WILLIAMS, Portland, Me. Filed June 5, 1920. Serial No. 386,846. 1 Claim. (Cl. 40—2.)



The process of securing flexible marked tags to articles to be laundered which consists of sewing said tags to said articles with a two thread stitch having a loose tension on each stitch and a weak thread so that the tags may be torn off without injury to the article and subsequently tearing the tags from the article.

1.406.517. BUCKLE. ARTHUR J. WOOD, Birmingham, Mich. Filed June 2, 1921. Serial No. 474,460. 3 Claims. (Cl. 24—194.)

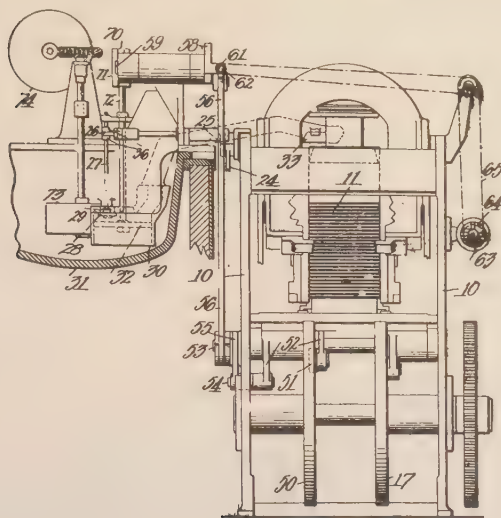


1. A buckle comprising a shield plate, means for adjustably passing the free end of a belt therethrough at one end of the plate and extending along in back of the latter, a clamping means pivoted to the opposite end of the shield and bent for detachable engagement with the opposite end of the belt, and a hook formed on said clamping means as and for the purposes specified.

1.406.518. PUMP FOR STEREOTYPING AND MEANS FOR SUPPLYING METAL THERETO. HENRY A. WISE WOOD, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a Corporation of Virginia. Original application filed Sept. 16, 1913, Serial No. 790,071. Divided and this application filed Mar. 23, 1918, Serial No. 224,218. Renewed June 4, 1921. Serial No. 475,099. 8 Claims. (Cl. 22—70.)

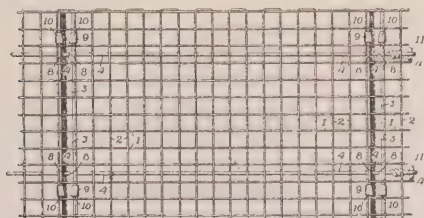
2. In a pump for delivering molten metal, the combination with a piston and cylinder, said cylinder having a port, of a valve for opening and closing said port to control the operativeness of the piston and cylinder for delivering

metal, a cam, means connected with said cam for operating said valve, a shaft on which said cam is keyed, an



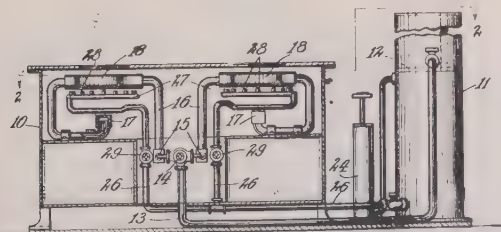
eccentric bushing in which said shaft is mounted, and means for turning said bushing to adjust the position of the cam.

1,406,519. WIRE LATHING. GEORGE M. WRIGHT, Worcester, Mass. Filed June 28, 1918. Serial No. 242,368. 3 Claims. (Cl. 72-119.)



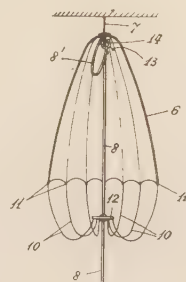
1. A wire lathing comprising a meshed fabric, V-shaped transverse stiffening strips, tension rods or wires passing through holes in said stiffening strips, with the edges of said stiffening strips turned over and bearing against said tension rods, clips attaching said strips to the fabric, and means for supporting said rods under tension.

1,406,520. LIQUID-FUEL-BURNING APPARATUS. IGNACY F. ZALEWSKI, Ansonia, Conn. Filed Oct. 23, 1920. Serial No. 419,113. 4 Claims. (Cl. 158-57.)



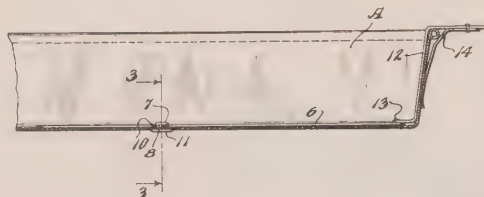
1. In a liquid fuel burning apparatus, a burner, a fuel supply pipe leading to said burner, said pipe presenting a vertically arranged loop, a vaporizing chamber in the top of said loop comprising a circular pan-like element, and a steam jet device interposed between the said burner and vaporizing chamber and comprising a tubular ring having upwardly projecting nozzles located in close proximity to the circumference of said vaporizing chamber.

1,406,521. PARACHUTE. ADELRIK ACKERMANN, Reiden, Switzerland. Filed Nov. 30, 1921. Serial No. 518,907. 1 Claim. (Cl. 244-21.)



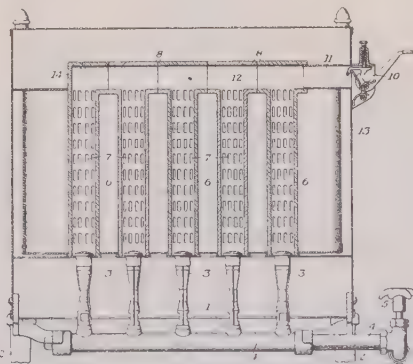
In the herein-described parachute wherein the suspension rope is secured to the inside of the pole of the parachute, the combination, with a casing for the parachute and means for suspending the same from the top of and within the casing, of a catch-and-released device consisting of a spring-member also mounted at the inside of the said pole, and a ring attached to the suspension rope and located at a certain distance below the spring-member, the said ring having an eyelet with which the spring-member is adapted to engage when the parachute is out of use, and being released when a pull is exerted on the suspension rope, all as and for the purpose set forth.

1,406,522. BAKE TIN. EDWARD F. ANHOLZER, Appleton, Wis. Filed Dec. 20, 1920. Serial No. 432,049. 11 Claims. (Cl. 53-6.)



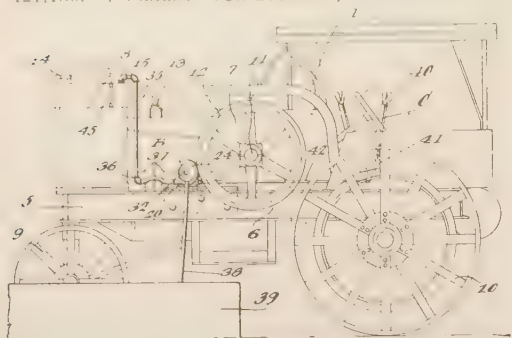
1. The combination with a pan, of a dough-loosening member comprising relatively movable sections, one of said sections operating over the bottom and the other of said sections operating over the side of said pan.

1,406,523. GAS HEATER. WILLIAM D. ANTRIM, Gloucester City, N. J., assignor to Welsbach Company, Gloucester City, N. J., a Corporation of New Jersey. Filed July 26, 1921. Serial No. 487,814. 7 Claims. (Cl. 126-92.)



1. A heater of the class described comprising a casing, a supply line, a plurality of independent heating elements supplied from said line, and means by which said elements are ignited comprising a sectional header, each section being carried by one of said elements.

- 1,406,524. WATER PUMP FOR TRACTORS. ROY L. BECK, Trenton, Mo. Filed Nov. 29, 1920. Serial No. 427,150. 7 Claims. (Cl. 180—54.)

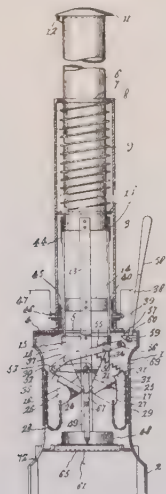


1. In a device for mechanically filling radiators of the cooling systems of an internal combustion engine, the combination with a motor vehicle including an internal combustion engine and a cooling system having a radiator, of a filling device for the radiator including a water pump having an inlet and an outlet nozzle, means for connecting the water pump to the vehicle, means for operatively connecting the pump to an operating part of an engine, means for connecting the outlet nozzle to the radiator, and means for connecting the inlet nozzle to a water supply.

- 1,406,525. APPARATUS FOR LEACHING MINERALS. CHARLES BOUILLON, Paris, France. Filed Feb. 16, 1921. Serial No. 445,541. 2 Claims. (Cl. 23—31.)

1. In leaching apparatus the combination of a horizontal rotatory cylinder, a helicoidal worm within it, and partitions for dividing the cylinder into compartments each provided with a single orifice at its periphery for the passage of the worm.

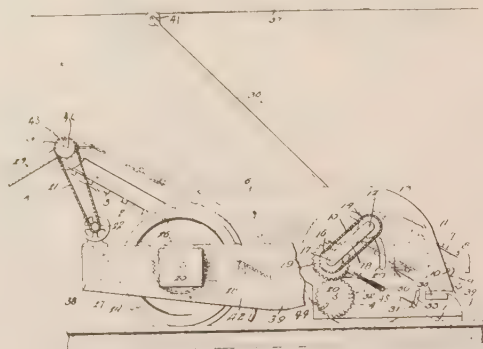
- 1,406,526. ELECTRIC WAX SEALER. ROBERT BOYLL, Terre Haute, Ind. Filed Oct. 19, 1920. Serial No. 417,904. 9 Claims. (Cl. 120—116.)



4. An electric wax sealer comprising a support, a reciprocating holder for the wax movably mounted on the support, yieldable means for retaining the holder in an initial position, pivoted jaws normally and yieldably held closed and carried by the lower end of said holder, electric heaters pivoted to the lower portions of said jaws and normally diverging away from the jaws, connections coupled to said electric heaters for causing the same to swing against the

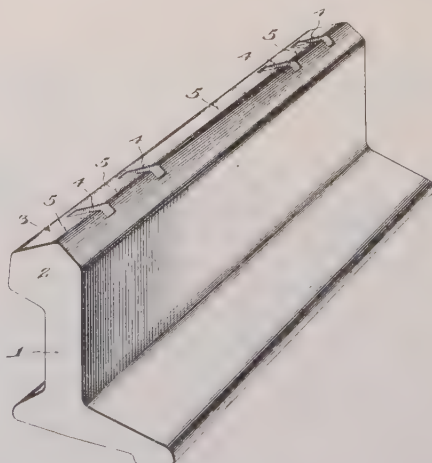
jaws when the holding means is moved in opposition to its yieldable retaining means, switch means for closing circuit through said electric heaters when the same are moved against said jaws, and impression producing means carried by said holder and movable by the latter on a subsequent stroke into contact with the melted wax, substantially as described.

- 1,406,527. TRACK-CLEANING MACHINE FOR MINES. JOHN G. BRADLEY, Topeka, Kans., and WILLIAM F. METZ, Buckner, Ill. Filed June 18, 1920. Serial No. 389,999. 7 Claims. (Cl. 37—64.)



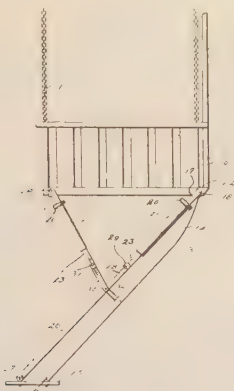
1. In a track cleaning machine for mines, the combination of a wheeled frame, a resiliently controlled longitudinal adjustable scoop having its free bottom edge extending between two tracks and nominally below the surface of the tracks, means for permitting of elevating the edge of the scoop when necessary to pass over frogs in the track, etc., a floating elevator positioned above the scoop and arranged to carry material upward of the scoop, a second elevator positioned to receive material from the first elevator, means operatively connected for driving the two elevators said means being operatively connected, and power means for driving both elevators said means being operatively connected with one of them.

- 1,406,528. MEANS FOR BALANCING STRESSES IN RAIL JOINTS. BANCROFT G. BRAINE, Montclair, N. J., assignor to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed Sept. 24, 1920. Serial No. 412,557. 7 Claims. (Cl. 238—243.)



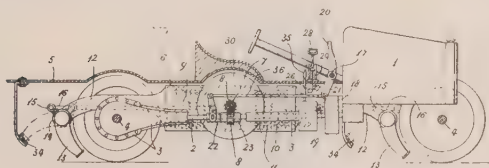
6. A method of balancing the stresses in a rail joint bar which consists in forming notches in the bar transversely of the direction of the fibres of the metal therein.

1,406,529. SWING. WILLIAM EDGAR BRAYMER, Kiefer, Okla. Filed Mar. 10, 1921. Serial No. 451,096. 11 Claims. (Cl. 155-165.)



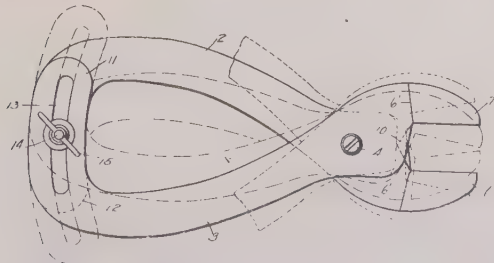
1. A foot rest for swings, comprising in combination, a swing frame, a pair of hanger bars having their one end pivotally connected to the rear end portion of the swing frame, and their other end connected to a foot board extending therebetween, and distensible spring means between the intermediate portion of each hanger bar and the forward end of the swing frame.

1,406,530. DUST-SUCKING APPARATUS FOR AUTOMOBILES. MAX BRENNISEN, Berne, Switzerland. Filed Aug. 31, 1921. Serial No. 497,446. 3 Claims. (Cl. 280-159.)



1. In the herein-described dust-sucking apparatus for automobiles, the combination, of at least one dust-collecting receptacle mounted at the underside of the chassis of the automobile, a series of sifting-plates arranged within and at each end of the receptacle and pivotally suspended from the top thereof, a suction-pipe connected to and communicating with each end of the receptacle, a mouth-piece hinged to the free end of each of the suction-pipes and arranged close to the wheel of the automobile, a ventilator and housing therefor mounted at the rear of the series of sifting-plates and communicating with the receptacle, means to actuate and stop the ventilators, means to shake the sifting-plates, and means to discharge the contents from the aforesaid receptacle.

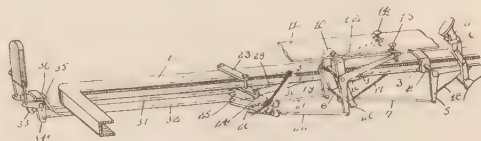
1,406,531. WRENCH. EDWARD BROWN, Hartford, Conn. Filed Apr. 14, 1921. Serial No. 461,220. 5 Claims. (Cl. 81-111.)



1. A wrench of the class described comprising two crossed levers pivoted to each other for adjustment and

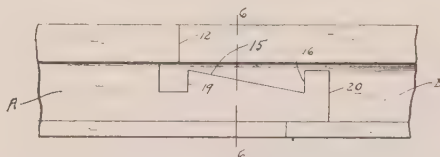
having jaws at one side of the pivot, the levers having inwardly extending overlapping contacting lugs at the opposite side of the pivot, and means carried by both of the lugs, for locking the levers in an adjusted position.

1,406,532. AUTO SIGNALING DEVICE. ELMER GEORGE BRUGLER, Rochester, N. Y. Filed July 3, 1919. Serial No. 308,499. 1 Claim. (Cl. 116-36.)



In an automobile signal, the combination of a frame, an inverted U shaped bracket mounted on said frame, an inverted yoke pivotally mounted to swing on said inverted U shaped bracket, a pair of bell cranks mounted to rock on said U shaped bracket, one on each side thereof, means provided on said yoke to engage said bell cranks when moving in one direction, a bracket on said frame, a pair of signal arms mounted to swing on said bracket, each of said signal arms being connected to one of said bell cranks, a pedal for each of said bell cranks to operate said signal arms and means connected to said inverted yoke to independently and simultaneously operate both of said signal arms without operating said pedals on said bell cranks.

1,406,533. RAIL JOINT. ISADOR J. BUFF, Cadogan, Pa. Filed Nov. 5, 1921. Serial No. 513,083. 1 Claim. (Cl. 238-235.)

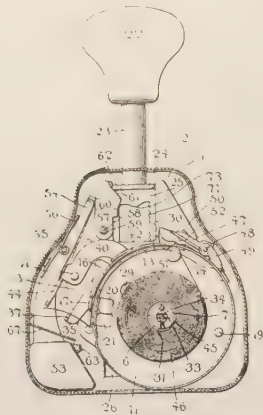


In a rail joint, coacting rails, one of said rails at one end being cut away upon its upper face and the adjacent end of the other rail being cut away upon its under face to overlap the first named rail, the inner end wall of the cut-away portion of one rail being formed with a vertically extending, grooved shoulder, the outer end of the cut-away portion of the rail being formed with a vertically extending shoulder grooved upon its inner face, the intermediate portions of the rail between said shoulders being upwardly extended and longitudinally grooved, the inner end of the intermediate portion forming a vertical shoulder, the other rail having the under face of its cut-away portion at its inner end formed with a vertically grooved shoulder and at its outer end formed with a vertical shoulder, the extremity of the outer end being formed to fit within the groove in the inner shoulder of the first named rail, the intermediate portion between said first and second named shoulders of the second named rail being formed to provide a vertical shoulder and a longitudinal tongue, the tongue being adapted to fit within the longitudinally extending groove of the first named rail.

1,406,534. STAMP-AFFIXING MACHINE. HARRY J. BURR, East Orange, N. J., assignor to The Postcraft Company, Inc., New York, N. Y., a Corporation of New York. Filed May 17, 1918. Serial No. 235,165. 19 Claims. (Cl. 216-27.)

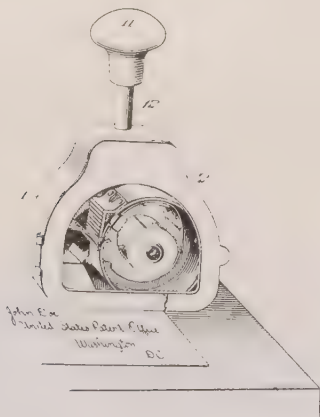
3. In a machine of the character described, a casing comprising separable members, a rotatable drum adapted to

contain a series of stamps in ribbon form, a drum supporting frame slidably mounted on one of the casing members



and a manually operated slide mounted between said casing member and frame to impart a bodily movement to said frame and drum to affix a stamp.

1,406,535. STAMP-AFFIXING MACHINE. HARRY J. BURR, New Hartford, N. Y., assignor to The Postcraft Company, Inc., Utica, N. Y., a Corporation of New York. Filed Aug. 19, 1920. Serial No. 404,646. 21 Claims. (Cl. 216—29.)

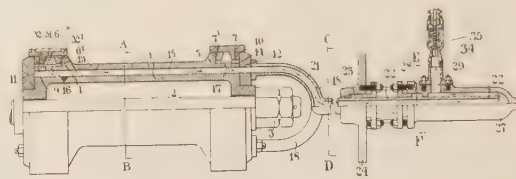


5. In a machine of the character described, a drum having a stamp ribbon feeding slot, an independently movable drum plate, a ribbon clamping lever carried by the drum and controlled by the drum plate, means for locking the drum plate to and releasing it from the drum, and means for rocking the drum and for effecting the affixing of a stamp.

1,406,536. PISTON, PISTON VALVE, OR THE LIKE. PETER CAMPBELL, Bristol, and WILLIAM JAMES BANKS, Hotwells, Bristol, England. Filed Aug. 9, 1920. Serial No. 402,384. 3 Claims. (Cl. 74—109.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

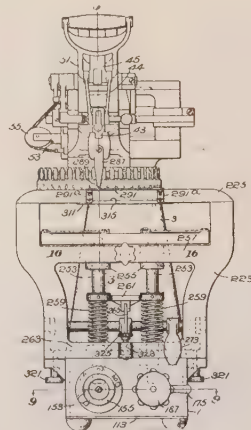
1. In combination, a metallic packing carrying member; a chamber co-acting therewith, a gland thereon, a metallic packing fitted on said member so as to leave an annular space behind the packing, a tail rod attached to said member—extending through the gland, a passage through said

tail rod connecting with the space behind the packing by means of a radial passage on the packing carrying



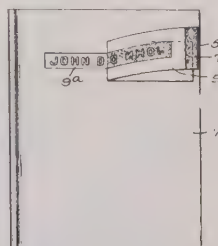
member, a tail box into which the tail rod extends, and an automatic relief valve fitted to the tail box whereby the pressure accumulated behind the packing is controlled.

1,406,537. MACHINE FOR MARKING ARTICLES. WILLIAM E. CHOATE, Hamilton, Mass., assignor, by mesne assignments, to Federal Finance Corporation, a Corporation of Massachusetts. Filed Aug. 15, 1916. Serial No. 115,112. Renewed July 6, 1921. Serial No. 482,870. 35 Claims. (Cl. 197—6.7.)



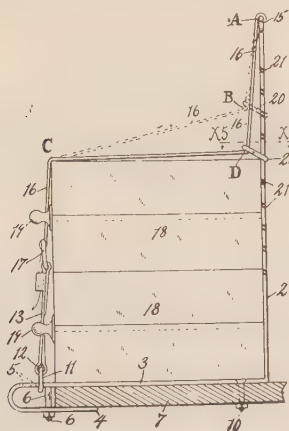
1. A machine for marking articles comprising in combination, a carrier, tools thereon, means for heating said tools, a ring on said carrier adjacent said heating means, a thermometer on said ring, a cover ring above said first-named ring, a shaft journaled in said cover ring connected to said thermometer, and an index on said shaft for indicating the registration of said thermometer.

1,406,538. AGENCY FOR AND METHOD OF EMBELLISHING SURFACES. WILLIAM E. CHOATE, Hamilton, Mass., assignor, by mesne assignments, to Federal Finance Corporation, a Corporation of Massachusetts. Filed Oct. 25, 1917. Serial No. 198,528. Renewed July 6, 1921. Serial No. 482,871. 7 Claims. (Cl. 41—37.)



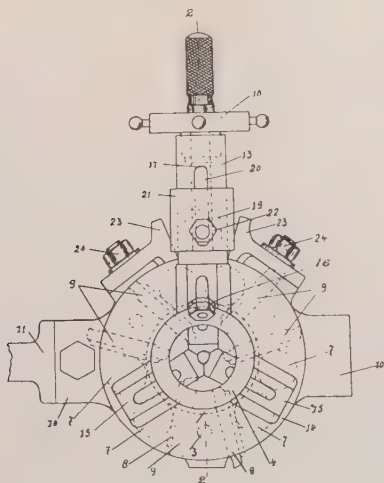
1. An improved article for use in stamping consisting of a thin carrier sheet of gelatin having a metallic leaf adhering to a face thereof, the opposite face being exposed to receive the pressure of a stamping tool.

1,406,539. LUGGAGE AND BAGGAGE CARRYING APPARATUS. BENJAMIN HENRY CHRISTLIEB, Fullerton, Calif. Filed Apr. 19, 1919. Serial No. 291,360. 11 Claims. (Cl. 224-29.)



10. In a baggage carrier, a frame in which to seat the baggage; straps to hold said baggage in said frame; clamping means adapted to slide over the frame and over a strap attached to the frame for drawing said strap tight around said baggage, and said clamping means being held in locked engagement with said frame by inclined notches on said frame.

1,406,540. SCREW-CUTTING HEAD. EDOUARD COENEN, Forest, Belgium. Filed Aug. 10, 1921. Serial No. 491,204. 4 Claims. (Cl. 10-121.)

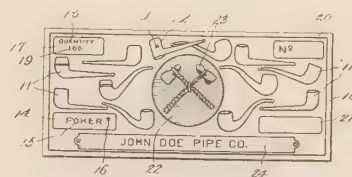


4. A screw-cutting head for lathes and other machine-tools, comprising a ring, two groups of tools slidably mounted in said ring, a rack on the back of each tool, a pinion in mesh with the rack of each tool, the arrangement of said pinions and racks being opposite for the successive tools, a toothed sleeve in mesh with all the pinions and adapted to rotate coaxially within the ring, and a hand lever connected to said sleeve by means of radially adjustable bars adapted to be brought into contact with the work piece to support the latter.

1,406,541. LABEL. JOSEPH P. CONNELL, Jersey City, N. J., assignor to Manhattan Briar Pipe Company, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 4, 1921. Serial No. 505,312. 10 Claims. (Cl. 283-21.)

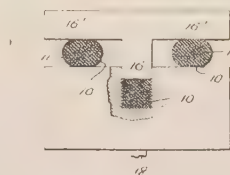
1. A label adapted for designating the style or styles of articles contained in a carton or box comprising a label

body bearing pictorial representations of different styles or shapes of the articles marketed and having a designated



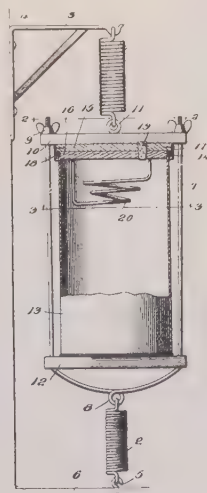
identifying space adapted for bearing a descriptive representation of the particular style or styles of articles contained in a given carton.

1,406,542. ELECTRODE. IRVING S. CROCKER, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Mar. 17, 1921. Serial No. 452,904. 2 Claims. (Cl. 176-136.)



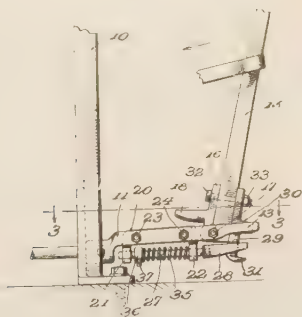
1. The process of making a dense arc light electrode which consists in filling a metallic shell with the powder of the electrode material and then compressing the filled shell to a smaller cross-section without elongating the same.

1,406,543. CHURN. DANIEL W. DAVIS, Oskaloosa, Iowa, assignor of one-half to William T. Hall, Oskaloosa, Iowa. Filed Oct. 4, 1921. Serial No. 505,235. 2 Claims. (Cl. 259-92.)



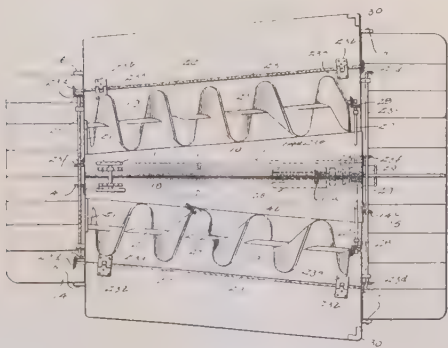
1. A device of the character described comprising a receptacle, a closure for said receptacle, agitating means suspended from said closure, said agitating means consisting of a single length of wire having its opposite ends embedded in said closure, the intermediate portion of said wire being coiled upon itself in helical form whereby the larger convolutions are arranged at the top thereof and exposed to the interior of the receptacle substantially as and in the manner specified.

1,406,544. PICKER STICK. WILLIAM F. DAVITT, Manchester, N. H. Filed Sept. 21, 1921. Serial No. 502,207. 3 Claims. (Cl. 139—48.)



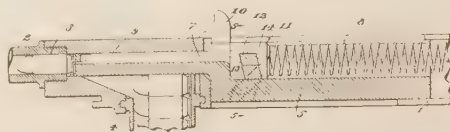
1. A picker stick mechanism comprising a support including a body portion and a yoke having a pair of arms, a picker stick having its lower end disposed between said pair of arms, a shoe associated with said picker stick and having a toe extending therefrom and engageable with the body portion to limit the movement of the picker stick, said picker stick and said shoe having complementary notches defining a pivot bearing, a pivot bolt carried by said pair of arms and operating in said pivot bearing whereby said picker stick is pivotally mounted on said support, said body portion having a recess at one side, a frame disposed in said recess, offset bearing lugs carried by said frame and disposed beneath said body portion, means for securing said frame to said body portion, a sliding shaft journaled in said bearing lugs, a slotted head connected with one end of said sliding shaft, a connecting bar operating in said slotted head and having stop lugs cooperable therewith, common means for securing said shoe and said connecting bar to said picker stick, a coil spring arranged on said shaft and engaging one of said bearing lugs at one end, and a collar fixed to said shaft and engaging the other end of said coil spring.

1,406,545. FLYING MACHINE. HENRY DUANE EASTLY, Ravenswood, W. Va. Filed Jan. 26, 1921. Serial No. 440,077. 2 Claims. (Cl. 244—14.)



1. A flying machine comprising a body having its sides converging downwardly and forwardly to form a keel extending upwardly toward the forward end of the body, wings extending from the sides of the body and curved outwardly and downwardly to provide air pockets beneath the wings, propellers extending longitudinally of the body beneath the wings, and steering and stabilizing planes at the forward and rear ends of the body.

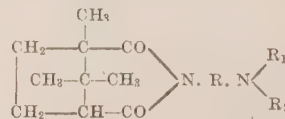
1,406,546. BREECH CLOSURE FOR GUNS. THEODORE H. EICKHOFF, Cleveland, Ohio, assignor to Auto-Ordinance Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 7, 1920. Serial No. 415,461. 23 Claims. (Cl. 42—3.)



1. In a gun, abutment mechanism for opposing the explosion reactions comprising a pair of pressure receiving elements relatively movable under breech pressure and having mutually engaging surfaces, the surfaces of the respective elements being of such a relative degree of hardness as to permit irregularities of one to be impressed in the other.

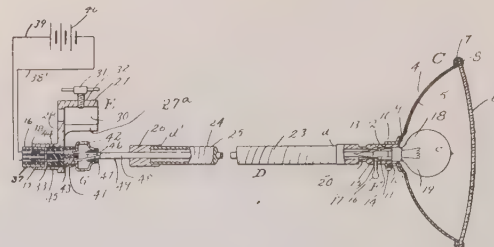
1,406,547. DERIVATIVES OF CAMPHORIC ACID. EDWIN STANTON FAUST, Basel, Switzerland. Filed Oct. 8, 1920. Serial No. 415,576. 2 Claims. (Cl. 23—24.)

1. As new products, the herein described derivatives of camphoric acid of the formula:



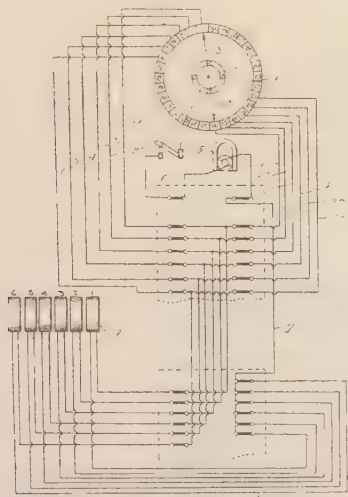
(R being an alkyl or alkylene, R₁ and R₂ representing hydrogen, an alkyl or alkylene), which constitute in the free state, as bases, viscous oils capable of being distilled in vacuo without decomposition and forming salts with acids; the latter being colorless, solid crystallized compounds, soluble in water and alcohol, insoluble in ether.

1,406,548. SEARCHLIGHT. HAROLD G. FITZ GERALD, Pasadena, Calif. Filed May 9, 1917. Serial No. 167,449. 3 Claims. (Cl. 240—7.)



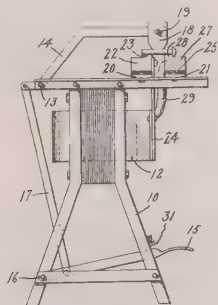
1. In improvements of the character disclosed, a searchlight comprising an electric lamp, a bendable arm for said lamp and provided with an internal electrical conductor leading to said lamp, and provided with a connection plug, a support for said arm having means to receive said plug and said arm separately and provided with electrical supply means to supply said lamp with energy through said plug, and a flexible conducting cord provided with a socket adapted to receive said plug and to complete an electrical path from said cord to said conductor in said arm and likewise provided with a plug adapted to be substituted for said first named plug at said support and whereby an increased extension of said lamp from said support may be provided.

- 1,406,549. ELECTRIC CLOCK. JOSEPH T. A. GAUCHER, deceased, by Albertine Gaucher, née Albertine Cerré, executrix, Montreal, Canada. Filed June 26, 1920. Serial No. 392,026. 4 Claims. (Cl. 58—24.)



1. A system of electrical clocks comprising a primary regulator, a generator propelled by said primary regulator, a plurality of secondary clocks, electrical connections between said secondary clocks and said primary regulator, said generator adapted to supply current to said electrical connections, and means operated by said primary regulator for distributing the flow of current from said generator to only one of the said secondary clocks at the time.

- 1,406,550. ELECTRICAL HEATING APPARATUS. HENRY GEISENHÖNER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 21, 1920. Serial No. 390,507. 7 Claims. (Cl. 219—11.)



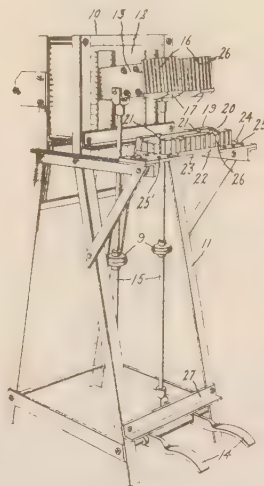
1. In an apparatus for heating an article by passing an electric current therethrough, a circuit, two electrodes connected to opposite terminals of the circuit and formed to constitute a bed for the support of the article and means not included in the circuit for engaging said article and forcing it into contact with the electrodes.

- 1,406,551. ELECTRIC HEATING APPARATUS. HENRY GEISENHÖNER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 21, 1920. Serial No. 390,508. 9 Claims. (Cl. 219—4.)

1. In a device for heating articles by passing an electric current therethrough, an electrode adapted to be moved

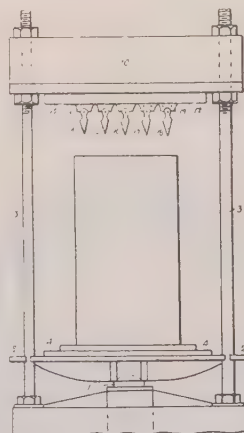
295 O. G.—21

into contact with the article to be heated, and means for holding said article and making electrical contact



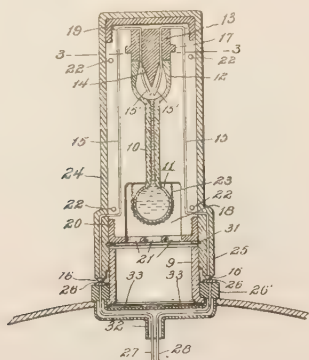
therewith, said means being adjustable to vary the point of contact of the movable electrode with the article.

- 1,406,552. APPARATUS FOR SPLITTING LOGS AND THE LIKE. JAMES ANDREW GORRIE, Auckland, New Zealand. Filed Nov. 4, 1921. Serial No. 512,780. 6 Claims. (Cl. 144—193.)



1. An apparatus for splitting logs and the like, consisting of a plurality of knives or wedges, fixed means for supporting one of the knives or wedges, laterally slidable means for supporting the other knives or wedges, whereby the latter are adapted to slidably adjust themselves automatically in the splitting operation, and means connected with the slidable knives or wedges for manually adjusting the same toward and from the knife or wedge of the fixed supporting means.

1,406,553. THERMOELECTRIC ALARM. ABILIO M. de SILVA GREAVES, Cambridge, Mass. Filed July 17, 1919. Serial No. 311,477. 12 Claims. (Cl. 200—141.)

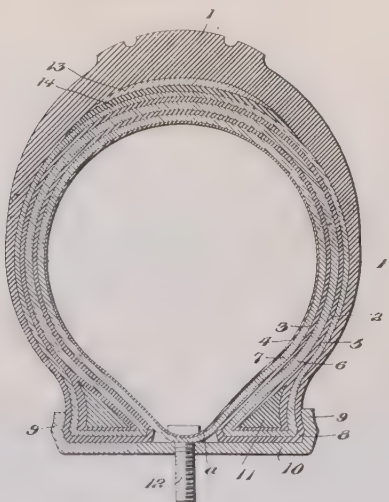


1. In a thermostatic alarm device, a two-part body, thermostatic circuit closing means in said body, means for securing the body parts together, a shell detachably enclosing said body and adapted to be secured to a radiator.

1,406,554. PROCESS OF CLARIFYING FRUIT JUICES. AAGE GUSMER, West End, N. J. Filed Nov. 17, 1920, Serial No. 424,616. Renewed Dec. 24, 1921. Serial No. 524,742. 10 Claims. (Cl. 99—11.)

10. A process of clarifying fruit juices which consists in adding to the fruit juices at a temperature of approximately 120 degrees F., a non-malt diastatic fungi in the form of separate porous flaky particles, agitating the fruit juices to incessantly move the flaky particles of the fungi therethrough and accelerate the process of starch inversion by diastatic action until a sample of the juices when subjected to the iodine test fails to show a blue or purple reaction, then raising the temperature of the juices to approximately 1150 degrees F. to destroy the diastatic power of the fungi and interrupting the process of starch inversion with the starch in solution in the form of dextrin.

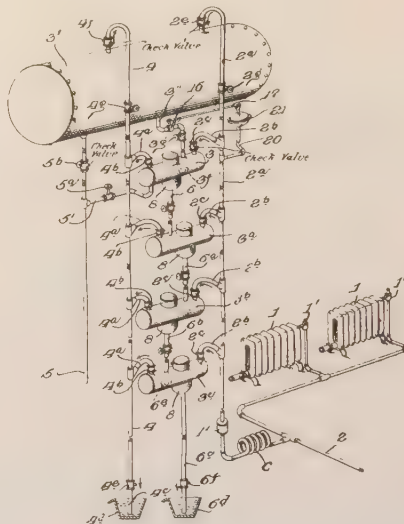
1,406,555. SINGLE-TUBE TIRE. SAMUEL OTIS HAHN, Pueblo, Colo. Filed Oct. 12, 1920. Serial No. 416,364. 9 Claims. (Cl. 152—13.)



1. A pneumatic tire including an outer casing composed of layers of rubber and leather firmly united together against separation and provided with rim engaging

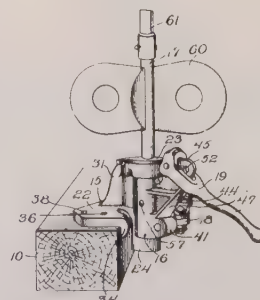
beads and also including a pneumatic inner tube of leather firmly united to the inner layer of rubber carried by the casing whereby to cushion the inner tube, the latter extending transversely entirely around the interior of the casing and bridging the space between the beads, a rubber lining for the leather inner tube, and an inflating valve carried by the tube.

1,406,556. STEAM OR VAPOR HEATING SYSTEM. WALTER S. HAYEN, Racine, Wis. Filed Feb. 2, 1916, Serial No. 75,791. Renewed Aug. 16, 1921. Serial No. 492,873. 33 Claims. (Cl. 230—18.)



4. Apparatus for maintaining negative pressure pull on the heating fluid in fluid heating systems, comprising a series of tanks arranged at different elevations, connections for draining the liquid from each tank to the next tank below to thereby exert successive air exhausting actions, and a source of liquid supply, substantially as described.

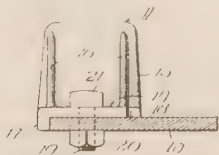
1,406,557. OPERATING STAND FOR TRACK APPLIANCES. STANLEY W. HAYES, Richmond, Ind. Filed July 23, 1919. Serial No. 312,685. 4 Claims. (Cl. 246—413.)



1. A track appliance operating stand comprising a supporting member and a movable member carried thereby and provided with means for operating the track appliance, the stand being characterized by the supporting member being provided with a spike hole and a lip at each side of the movable member in lines transversal of said tie whereby the stand is adapted to be carried by a single tie, the said lip or lips extending downwardly over one side of the carrying tie and the two spike holes being in a line substantially parallel with the said side of the tie.

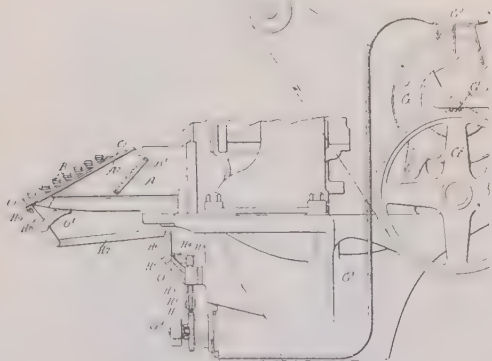
certificate date and signature line; the lower of said sections comprising an application for insurance as offered in said certificate section; said upper and lower sections bearing like provisions for limiting the time of acceptance of the offer of insurance, and identical serial numbers; and an intermediate section comprising a plurality of coupons with indicated lines of severance between them and indications of amounts of dollars on said coupons so arranged that when adjacent coupons are separated along the line of severance therebetween the amounts on said adjacent coupons automatically establish a check as to the amount of insurance agreed upon.

1,406,562. TRACTION-WHEEL LUG. THOMAS J. HRUBY, Chicago, Ill. Filed Oct. 23, 1918. Serial No. 259,340. 1 Claim. (Cl. 301—44.)



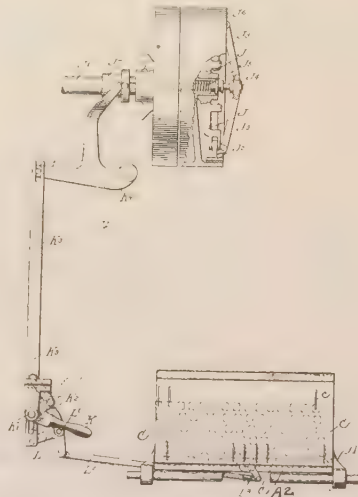
A spade type lug for tractor wheels adapted to be fitted to the wheel rim adjacent to its margin by the use of a single bolt opening at said margin, comprising a spade-like salient and an integral base adapted to fit the tread face of the wheel rim, said base being provided with a single bolt hole and formed at its one outer side edge adjacent to said bolt hole with an inwardly directed flange formed with a plain straight face adapted for full contact with the edge faces of wheel rims of different thicknesses and adapted to coact with a single bolt to hold the lug on a wheel rim.

1,406,563. TYPOGRAPHICAL COMPOSING MACHINE. DAVID S. KENNEDY, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Original application filed July 3, 1920, Serial No. 393,856. Divided and this application filed June 16, 1921. Serial No. 478,217. 9 Claims. (Cl. 199—18.)



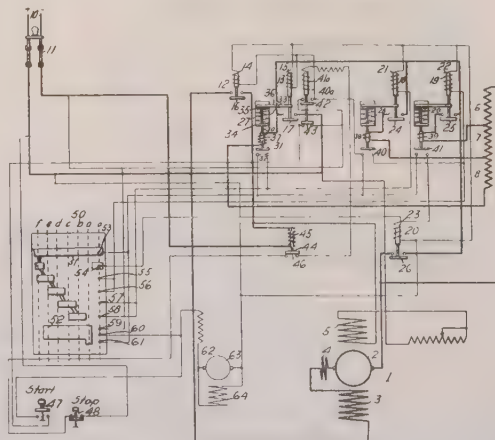
1. In a typographical machine, the combination of a source of power, means for shutting off the power at will, a keyboard, locking means therefor, and means whereby the shutting off of the power automatically effects the locking of the keyboard.

1,406,564. TYPOGRAPHICAL COMPOSING AND CASTING MACHINE. DAVID S. KENNEDY, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Original application filed July 3, 1920, Serial No. 393,856. Divided and this application filed June 16, 1921. Serial No. 478,218. 7 Claims. (Cl. 199—18.)



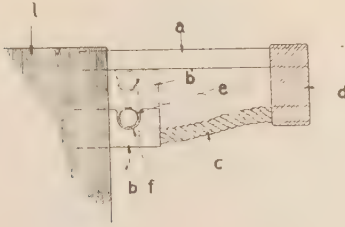
1. In a linotype machine, the combination of the main driving clutch, means for throwing the clutch out of action at will, a keyboard, locking means therefor, and means whereby the throw-out of the driving clutch automatically effects the locking of the keyboard.

1,406,565. ELECTRICAL SYSTEM. EDWIN S. LAMMERS, Jr., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 16, 1917. Serial No. 202,337. 5 Claims. (Cl. 172—288.)



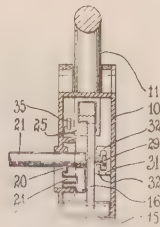
5. In a system of control, the combination with a motor, a plurality of resistors initially in series with said motor, and a plurality of resistor switches for excluding the resistors from the motor circuit, of means, comprising a plurality of accelerating switches, for effecting operation of the resistor switches in accordance with the current flowing through the motor, means, comprising a motor-operated controller, for operating the resistor switches in case the first named means fails to complete its operation within a predetermined time interval, and a single switch for initiating the operation of both of said means.

1,406,566. SECONDARY WINDING FOR ASYNCHRONOUS MOTORS. ARVID LINDSTRÖM, Vesterås, Sweden. Filed Mar. 18, 1921. Serial No. 453,242. 5 Claims. (Cl. 172—274.)



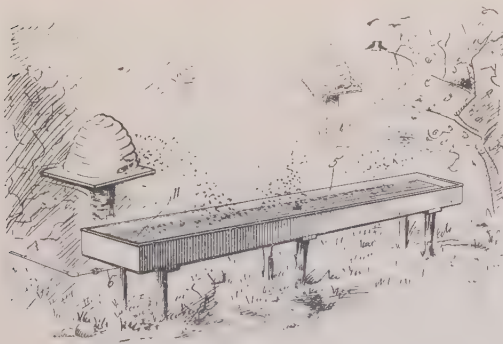
1. A secondary winding for asynchronous motors comprising two sets of permanently short-circuited conductors one of which is fixed in the iron core while the other is capable of assuming differential radial positions during the starting of the motor.

1,406,567. PADLOCK. KAJETAN LOCHINA, Schenectady, N. Y. Filed May 21, 1921. Serial No. 471,421. 4 Claims. (Cl. 70—105.)



2. In a padlock, a casing, a hinged bolt, a spring pressed plunger element carried thereon and movable transversely thereto, and members on said casing adapted to engage said plunger element to prevent lateral movement thereof except when the said element is depressed to a certain selected position, said plunger element comprising a sleeve fixed to the bolt, a cap engaged over said sleeve, a headed pin fixed to said cap and projecting freely through said bolt, and a coiled expansion spring surrounding said pin, said members including ward elements on one wall of the casing, and projections presenting T-slots on the opposite wall of the casing.

1,406,568. WATERING TROUGH FOR BEES. HENRY S. LUBBEN, Le Mars, Iowa. Filed May 5, 1920. Serial No. 378,951. 5 Claims. (Cl. 6—5.)



1. In a device of the class described, the combination of a trough, a water supply line connecting with the trough, a valve for controlling the water supply line, a floating landing board arranged in the trough, a stem for the valve extending through the landing board, and spaced stops arranged on the valve on opposite sides of the land-

ing board whereby as the board moves with the level of the liquid in the trough, the valve will be closed when the board reaches one predetermined level, and will be opened when the board reaches another predetermined level.

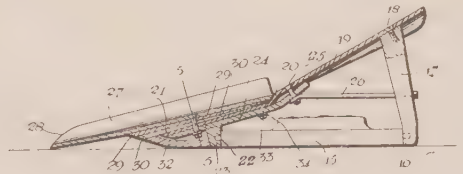
2. In a device of the class described, the combination of a trough, a water supply means therefor, a valve controlling the water supply means, a floating landing board arranged in the trough, and movable with the water level therein, and means operable by the landing board for actuating the valve.

3. In a device of the class described, the combination of a trough, a fluid supply means therefor, a valve for controlling the fluid supply, a floating landing board having means for exposing areas of fluid to the atmosphere, and means operable by the landing board for actuating the valve.

4. In a device of the class described, a landing board having a plurality of spaced grooves provided in its upper surface, upwardly extending ribs on the floors of the grooves having convex upper surfaces, openings provided in the lower surface of the board and communicating with the grooves, the upper surfaces of the board between the grooves affording landing places.

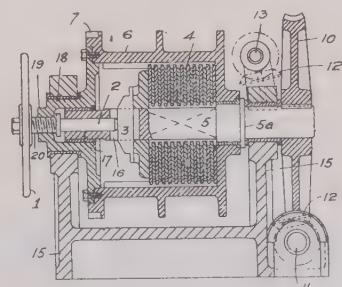
5. In a device of the class described, a landing board having a plurality of grooves in its upper face, ribs extending into the grooves for reducing the cross-sectional area of said grooves, said board being provided in its lower face with openings communicating with the grooves.

1,406,569. REVERSIBLE HILLSIDE TURNING PLOW. SIMPSON LUTES, Primrose, Ky. Filed July 22, 1920. Serial No. 398,071. 8 Claims. (Cl. 97—27.)



2. A hillside turning plow comprising a beam having handles braced thereto, a stock forming plate fixed to the beam and having a land bar at the lower end thereof, a mold-board having a downwardly offset forward tapered portion, a frog comprising a strip secured to the mold-board at the forward portion thereof and having a downward projection extending laterally at either side of the strip, said projection pivotally receiving the forward end of the land bar, a standard to which the rear end of the land bar is pivoted, said standard being connected to the moldboard whereby the latter is adapted to swing to either side of the stock, and a relatively shallow point detachably secured to the frog and moldboard and having its forward bottom edge extended at a slight angle from the rear portion.

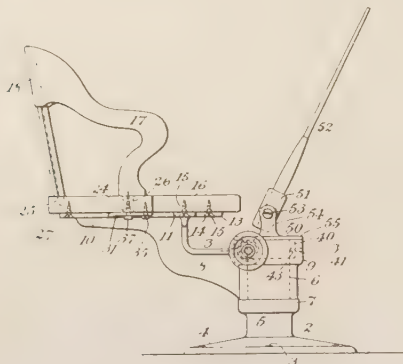
1,406,570. WINCH FOR SHIP'S-BOAT-LOWERING MECHANISM AND OTHER PURPOSES. JAMES HENRY RICHARD MACE, Liverpool, England. Filed Jan. 26, 1920. Serial No. 354,203. 5 Claims. (Cl. 192—14.)



1. In a winch, in combination, a shaft, means for holding the shaft against backward rotation, a winding drum

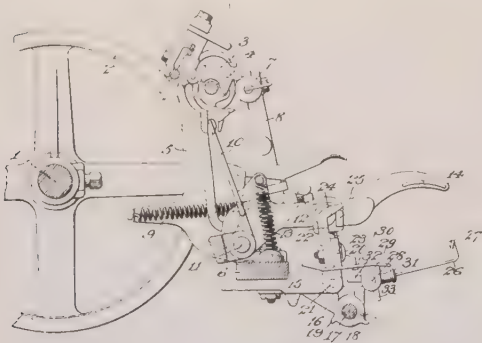
loose on said shaft, a friction clutch for rotatively coupling the drum to the shaft, and means actuated by the unwinding of the drum to engage the clutch and retard the unwinding action.

1,406,571. FISHING CHAIR. JAMES C. MCCOY, New York, N. Y. Filed Mar. 28, 1921. Serial No. 456,346. 4 Claims. (Cl. 155—95.)



1. In a fishing chair, the combination with a supporting member, and a rotatable member thereon carrying a seat portion, of mechanism to control the rotation of the rotatable elements to a greater or less degree which includes a compressible ring in said rotatable member bearing on the supporting member, a clamping screw, and means whereby the screw can be adjusted from the seat portion.

1,406,572. STOP MOTION FOR WINDING MACHINES. JOHN O. MCKEAN, Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a Corporation of Massachusetts. Filed Mar. 19, 1921. Serial No. 453,591. 4 Claims. (Cl. 242—37.)

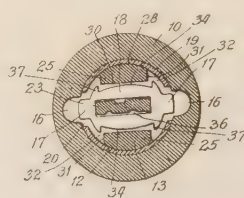


1. In a stop motion for winding machines, a stop motion controlling latch lever, a latch therefor, a drop, and a movable member arranged to engage the drop for moving the latch to release it from the lever to set the stop motion, said lever being manually movable into position to release the stop motion and prevent the full return of the latch, thereby temporarily holding the drop out of the path of said movable member until the thread itself reaches sufficient headway to hold the drop out of said path, when the lever may be released to permit the full return of the latch to its locking engagement with the lever.

1,406,573. LOCK. AUGUST MANTANFEL, Chicago, Ill., assignor to Chicago Cabinet Lock Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 26, 1921. Serial No. 447,932. 6 Claims. (Cl. 70—46.)

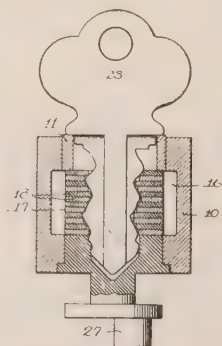
1. In a cylinder lock, the combination of a casing, a plug rotatably mounted in the casing, key-operable plate

tumblers transversely movable and loosely mounted in the plug, and devices between the plug and the tumblers



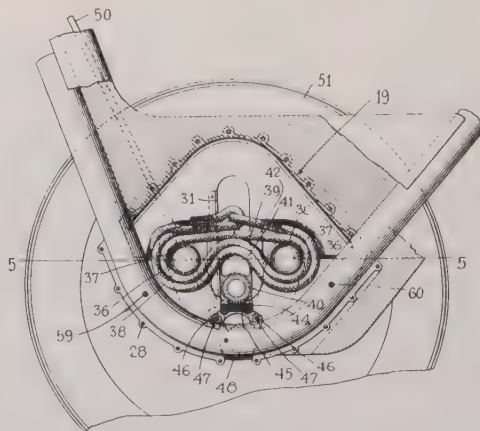
adapted to overlap when the plug is shifted relatively to the tumblers to prevent transverse movement of the tumblers in the plug.

1,406,574. CYLINDER LOCK. AUGUST MANTANFEL, Chicago, Ill., assignor to Chicago Cabinet Lock Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 26, 1921. Serial No. 447,933. 7 Claims. (Cl. 70—4.6.)



1. In a cylinder lock, the combination of a casing, a plug rotatably mounted in the casing, key-operable plate-tumblers transversely movable of and mounted in the plug and relatively stepped stop-devices between one side of the tumblers and the plug adapted to overlap when the plug is rotated relatively to the tumblers, to prevent the transverse movement of the tumblers in the plug.

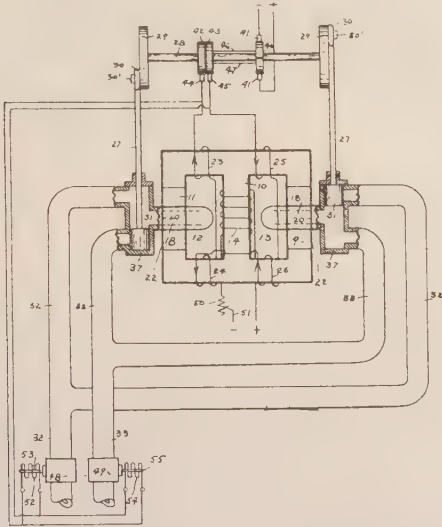
1,406,575. LANDING GEAR FOR AIRCRAFT. JOSEPH F. MEADE, Roosevelt, N. Y., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Corporation, Buffalo, N. Y., a Corporation of New York. Filed Aug. 21, 1919. Serial No. 318,876. 14 Claims. (Cl. 244—2.)



1. In a landing gear for aircraft, an axle, a strut extended beneath the axle, laterally spaced axle guides carried by the strut, shock absorbing elastics laced across the

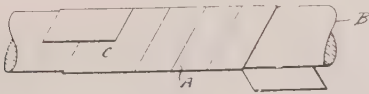
axle in a fore and aft direction to yieldingly resist its displacement, and supports for the elastics carried by the guides respectively in advance of and to the rear of the axle.

1,406,576. THERMOELECTRIC TRANSFORMER. HOWARD J. MURRAY, Brooklyn, N. Y. Filed Apr. 11, 1918. Serial No. 228,031. 11 Claims. (Cl. 171—125.)



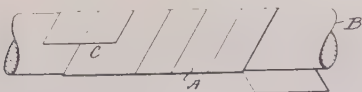
1. In a device of the class described, the combination with a magnetic structure providing a plurality of flux paths each having an individual portion and a portion in common and a common means for producing magnetic flux in said paths, means for alternately heating and cooling the individual portions thereof to vary the permeability, whereby the total flux is maintained substantially constant.

1,406,577. TUBULAR MOLDING CORE FOR PIPES. THOMAS E. MURRAY, Brooklyn, N. Y. Filed July 7, 1921. Serial No. 482,913. 3 Claims. (Cl. 25—128.)



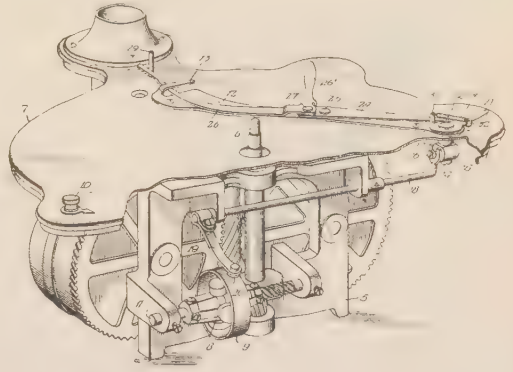
1. A tubular molding core for cement pipes formed of bibulous material having overlapping edges united by a paste soluble in water.

1,406,578. METHOD OF MOLDING PIPES OF PLASTIC MATERIAL. THOMAS E. MURRAY, Brooklyn, N. Y. Filed July 7, 1921. Serial No. 482,914. 2 Claims. (Cl. 25—154.)



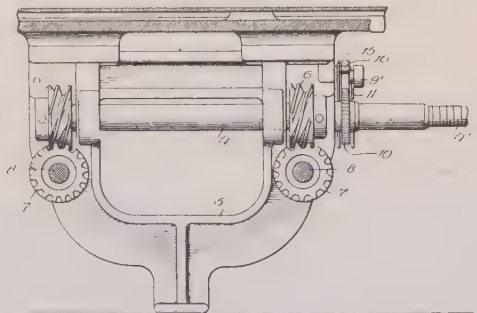
1. The method of making a molded cement pipe, which consists in molding plastic cement upon a core of flexible bibulous material formed with joints united by a paste, then allowing the paste to soften to cause the separation of said joints, and then manually withdrawing said core from said pipe.

1,406,579. BRAKE MECHANISM FOR TALKING MACHINES. MARTIN NYSTROM, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed Aug. 16, 1919. Serial No. 317,883. 5 Claims. (Cl. 192—116.)



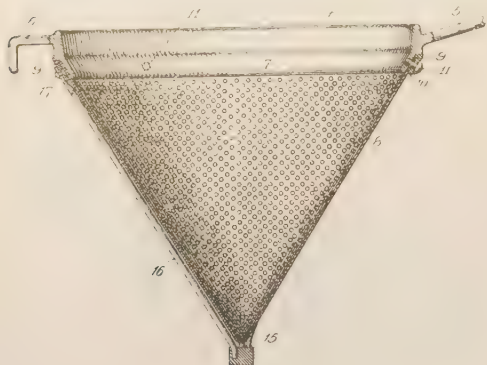
1. In a brake mechanism for talking machines, the combination of a latch lever, braking means connected with and operated by said latch lever for stopping the motor of the machine, a locking lever pivoted adjacent its rear end and adapted to engage at its forward end with the latch lever to temporarily lock the parts with the brake in operative position, a setting lever pivoted at its forward end to the rear end of the locking lever behind the locking lever pivot, the rear end of said setting lever being arranged in the path of a moving part of the machine and actuated thereby, said locking lever and setting lever being frictionally engaged for independent adjustment of the setting lever and for conjoint movement to release the latch and to hold the brake in inoperative position.

1,406,580. PAWL AND RATCHET DEVICE. MARTIN NYSTROM, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Original application filed Aug. 16, 1919, Serial No. 317,885. Divided and this application filed Mar. 22, 1920. Serial No. 367,740. 4 Claims. (Cl. 74—60.)



1. The combination of a rotary shaft, a ratchet wheel rigid on said shaft, a pawl engaging said ratchet wheel to lock the shaft against reverse movement, and spring fingers pivotally connected to the pawl and frictionally engaging the sides of the ratchet wheel to be operated by the ratchet wheel to shift the pawl out of engagement with the ratchet wheel on the forward movement of the shaft and ratchet wheel and to return the pawl into operative engagement with the ratchet wheel upon reverse movement of the shaft and ratchet wheel.

1,406,581. CULINARY STRAINER. HUGO PICK, Winnetka, Ill., assignor to Albert Pick & Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 29, 1920. Serial No. 354,904. 3 Claims. (Cl. 210—161.)

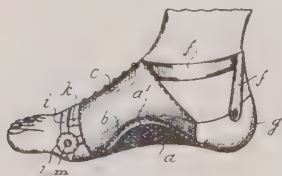


1. In a device of the character described, the combination of a supporting ring, a perforated conical metal strainer having its outer margin lapping and separable from the ring, a striker below the strainer and supported from the ring, and means to removably secure the margin of the strainer to the ring.

1,406,582. METHOD OF USE OF SULPHUR DIOXIDE IN ARTIFICIAL REFRIGERATING SYSTEMS. FLOYD W. ROBISON, Detroit, Mich., assignor to Utility Compressor Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 3, 1919. Serial No. 287,376. 8 Claims. (Cl. 62—170.)

8. The method of preventing oxidation and other deleterious effects resulting from the use of sulphur dioxides in the circulating system of artificial refrigerating plants which consists in first drying the circulating system, then cleansing the same by charging with carbon dioxide under pressure of about fifty pounds per square inch, then exhausting the system, and repeating the charging and exhausting for a number of times leaving the system filled with carbon dioxide at about atmospheric pressure at the completion of the washing step, and then finally charging the system with the desired volume of sulphur dioxide.

1,406,583. FOOT BANDAGE. WILHELM RUGE, Berlin, Germany. Filed Apr. 18, 1921. Serial No. 462,419. 1 Claim. (Cl. 128—81.)

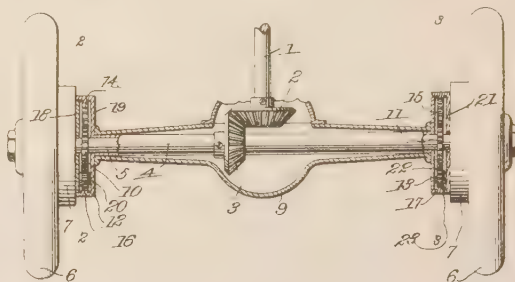


A foot bandage, comprising in combination, a sole steel-plate with bent-up lateral parts, a leather piece fixed on said steel-plate, two lateral lace-members on said leather piece, a heel cap fixed to the rear end of said leather piece and extending to the lateral bent-up parts of said steel-plate, straps intervening between said cap and said lace-members, a ribbon attached to the front end of said lace-members, having eye-holes in its ends, and a soft annular pad on said ribbon, substantially as and for the purpose set forth.

1,406,584. DIFFERENTIAL MECHANISM FOR MOTOR VEHICLES. JUAN SALAZAR and PERFECTO A. SALAZAR, Picacho, Ariz. Filed June 25, 1920. Serial No. 391,694. 2 Claims. (Cl. 74—99.)

1. In a differential mechanism, a shaft, a wheel member mounted thereon, a tubular shaft member journaled on

the said shaft, means to drive the tubular shaft member, a drum mounted on one of said members and having gear



teeth, means on said shaft to mesh with said teeth, and a disk on the other member extending into said drum.

1,406,585. PENCIL. FREDERICK L. SAWYER, New York, N. Y., assignor of one-half to Christian Berger, Brooklyn, N. Y. Filed Mar. 23, 1920. Serial No. 368,113. 3 Claims. (Cl. 120—17.)



3. In a pencil, a barrel, a solid member having a tight sliding frictional fit telescoping in the barrel, a bore in said solid member to hold several lengths of lead, a spring in said barrel having one end forming an ejector in said barrel and the other end bent to form a stop for the solid member, said bent end adapted to frictionally engage the cylindrical wall of the bore of the barrel to prevent longitudinal displacement of said ejector spring.

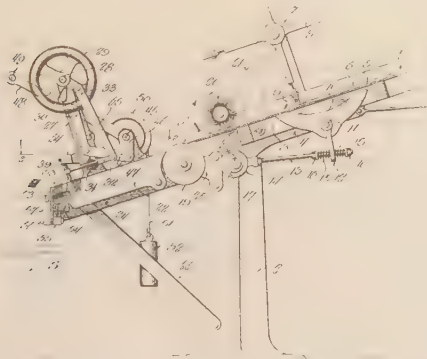
1,406,586. HAIR CURLER. OTTO SCHEIB, Barmen, Germany. Filed May 27, 1914. Serial No. 841,327. 2 Claims. (Cl. 132—18.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. As a new article of manufacture, a hair-curler having an exterior elongated flexible sheath, tapering from its middle to its ends, and a gimp filling therefor consisting of a metallic core and a thread wound tightly and permanently thereon, said filling taking the shape of the sheath.

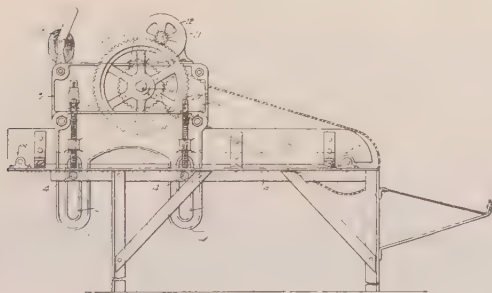
2. As a new article of manufacture, a hair curler having an exterior flexible sheath and a gimp filling therefor consisting of a metallic core and thread wound tightly and permanently thereon, said core and thread fitting tightly within said sheath.

1,406,587. HAIRPIN SEPARATING AND MEASURING MACHINE. HOMER P. SMITH, Appleton, Wis., assignor to Scolding Locks Hairpin Company, Appleton, Wis. Filed July 20, 1920. Serial No. 397,607. 7 Claims. (Cl. 163—8.)



1. In a machine of the class described, an article magazine, means for segregating a predetermined number of articles from the total, means for moving the remainder of the articles away from the selected articles, and means for removing the selected articles from the magazine.

1,406,588. BREAD-LABELING MACHINE. JOHN V. SULIZMAN, Hannibal, Mo. Filed Jan. 5, 1921. Serial No. 435,136. 12 Claims. (Cl. 216—29.)

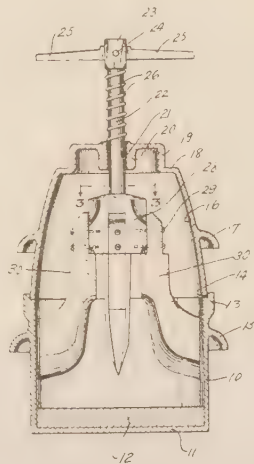


1. A machine for labeling raw bread loaves including a conveyor extending longitudinally of the machine and arranged to receive and carry the raw loaves through the machine, means for supporting a roll of labels above the said conveyor, a stationary shear blade also located above the conveyor, and spaced therefrom to permit the loaves to pass beneath it, means for intermittently feeding the labels to the stationary shear blade, a movable shear blade arranged to coact with the stationary shear blade to sever the labels and carry the severed labels to the loaves, means for actuating the movable shear blade and for setting the same means located above the conveyor for limiting the movement of the said movable blade to prevent the same from moving into the path of the loaves and means operated by the loaves for tripping the shear blade.

1,406,589. ICE-CRACKING BOX. JOHN SZIGETI, Torrington, Conn. Filed May 1, 1919. Serial No. 294,050. 1 Claim. (Cl. 83—62.)

An ice cracking device of the character described comprising a bi-partite casing, handles on both parts of said casing, a lower part having an annular upper shoulder for the support of the bottom edge of the upper part, a spring controlled plunger rod passing through a hub of an annular extension of the upper part, converging edges and a pointed lower end on said plunger adapted to break

the ice centrally in said lower part upon the lowering of said plunger, a rectangular head secured to said plunger intermediate the ends thereof and a plurality of arms having lower depending edges bevelled on both sides to a

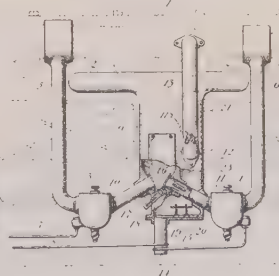


central line secured to each side of said head grooved around said plunger and adapted to crush with their lower ends the ice at the walls of the lower part, and means for operating said plunger.

1,406,590. MINCED SARDINES. JOHN TWEEDDALE and FREDERICK B. MCCROSKY, Los Angeles, Calif. Filed Mar. 19, 1919. Serial No. 283,538. 2 Claims. (Cl. 99—5.)

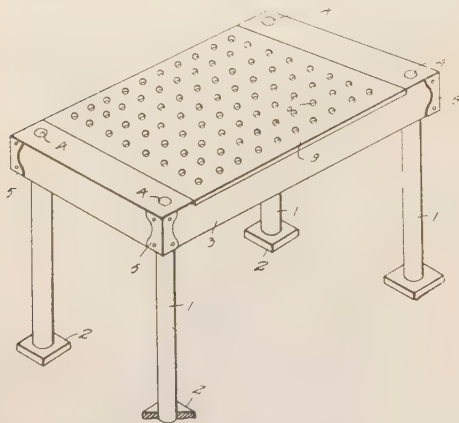
1. An article of food consisting of fish cooked sufficiently to have a crisp condition throughout, and ground to form a relatively dry flaky or pasty product in condition for immediate use.

1,406,591. FUEL-CONTROLLING MECHANISM FOR INTERNAL-COMBUSTION ENGINES. MERLE A. VARNEY, Chicago, Ill. Filed Apr. 21, 1917. Serial No. 163,665. 12 Claims. (Cl. 123—122.)



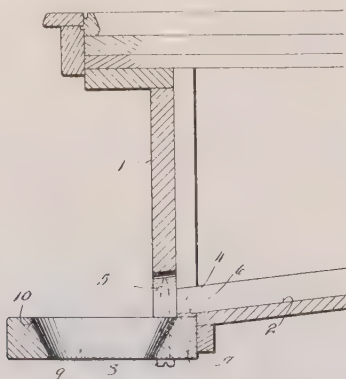
1. Fuel controlling mechanism for internal combustion engines comprising an intake manifold, two fuel supply intakes therefor, one only of said intakes being provided with a heating chamber, a thermostat within said heating chamber, and an electromagnetically operated valve for switching from one intake to another controlled by said thermostat.

1,406,592. EDUCATIONAL BOARD. VERA O'NEAL WATKINS, Atlanta, Ga. Filed May 20, 1920. Serial No. 382,839. 2 Claims. (Cl. 35—12.)



1. An educational appliance comprising a supporting member, a plurality of objects, a panel movably supported on one face of said member to which the objects may be applied in an upstanding position in connection with a story, a drawing board carried by said member on the opposite face to the panel, said member being adjustable to prevent the drawing board in a utile position after application of the objects, and the movability of the panel enabling disposition thereof into a position relative to the drawing board to display the objects for graphic reproduction on the drawing board in furtherance of the story.

1,406,593. RETURN-CHUTE RECOVERY TRAY. CHARLES A. WENDT, Milwaukee, Wis. Filed Apr. 15, 1921. Serial No. 461,670. 1 Claim. (Cl. 46—12.)

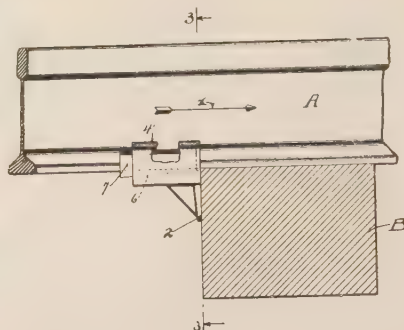


In combination with a pocket billiard table, a plurality of chutes leading from the pockets thereof and having a common discharge mouth, a pocket projecting from one end of the table, and a cushion on the bracket extending across the discharge mouth against which the balls strike as they roll down the chutes and a socket in said bracket for removably receiving a tray.

1,406,594. RAIL ANCHOR. JOSEPH F. WENTERWEST, Lebanon, Wis., assignor of one-half to John M. McDermott, New Butler, Wis. Filed Apr. 26, 1921. Serial No. 464,492. 1 Claim. (Cl. 238—324.)

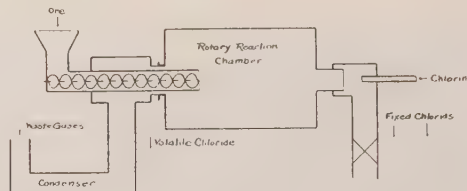
A rail anchor comprising a bracket, including a base-plate having a depending anchor foot, adapted to abut and engage the lower face of a rail base flange and tie respectively, inturned gripping flanges extending from the longitudinal edges of the base-plate forming gripping throats for encompassing the edges of the rail base flange,

one of the gripping throats being formed with horizontally and vertically tapered walls, and a channeled locking key having correspondingly tapered walls for snug wedging engagement with the flange throat, all the surfaces of said key being smooth, said key comprising a flat and relatively broad slightly inclined portion, a flat narrow tapered ver-



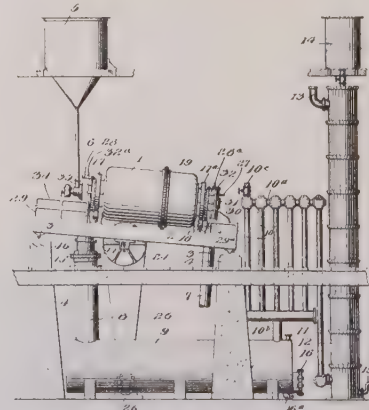
tical portion extending downwardly therefrom at a well defined angle and a flat tapered horizontal flange extending inwardly therefrom at right angles, the key when inserted between the bracket flange and rail flange being adapted to exert a bite of the aforesaid bracket upon the rail base both vertically and horizontally.

1,406,595. ORE TREATMENT. ERNEST W. WESCOTT, Niagara Falls, N. Y., assignor to Kalmus, Comstock & Wescott, Incorporated, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 5, 1920. Serial No. 349,578. 9 Claims. (Cl. 75—67.)



1. The process of treating arsenical cobalt or nickel ores containing iron, which comprises treating such an ore in a finely divided condition with a current of chlorine, at a temperature not above 600° C. and removing the vapors of chlorids of arsenic and iron produced.

1,406,596. CHLORIDIZING APPARATUS. ERNEST W. WESCOTT, Niagara Falls, N. Y., assignor to Kalmus, Comstock & Wescott, Incorporated, Boston, Mass., a Corporation of Massachusetts. Filed May 14, 1920. Serial No. 381,350. 19 Claims. (Cl. 263—34.)



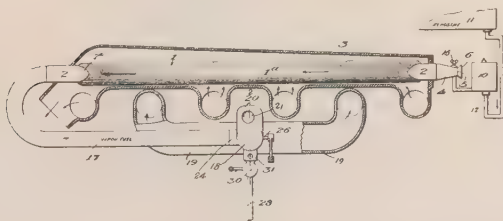
1. In apparatus for chloridizing arsenical ores, means for passing chlorine and ore in countercurrent at a rela-

tively high temperature, means for withdrawing, condensing and collecting arsenious chlorid produced thereby and scrubbing means for removing vapors from the residual gases leaving the condensing means.

- 1,406,597. TREATING ORES. ERNEST W. WESCOTT, Niagara Falls, N. Y., assignor to Kalmus, Comstock & Wescott, Incorporated, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 6, 1921. Serial No. 459,078. 4 Claims. (Cl. 23-1.)

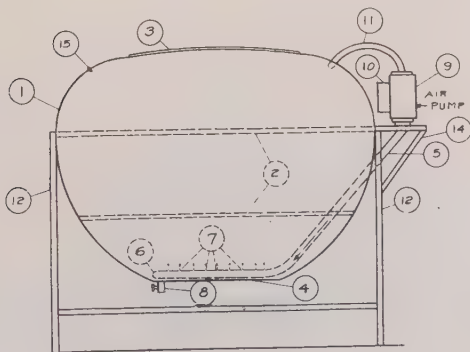
3. In the treatment of arsenid ores and speisses, the process which comprises extracting the pulverulent material with arseniferous hydrochloric acid from a later operation, chlorinating the extracted ore to furnish arsenious chlorid and fixed chlorids, and hydrolyzing the arsenious chlorid produced with water, the HCl solution thereby produced being returned to serve in the extraction of arsenid material.

- 1,406,598. FUEL-SUPPLY MECHANISM FOR INTERNAL-COMBUSTION ENGINES. ELMER V. L. WILSON and ELMER A. WILSON, Niles, Ohio. Filed Mar. 3, 1917. Serial No. 152,445. 3 Claims. (Cl. 123-122.)



1. In an internal combustion engine, the combination with intake and exhaust manifolds, of a vaporizer in the exhaust manifold and communicating with the intake manifold, said vaporizer being approximately cylindrical at its inlet end and outlet end and flattened intermediate of said ends, means for atomizing fluid fuel and admitting air into one of said cylindrical ends at the entrance end of the exhaust manifold, whereby a mixed air and vapor fuel may be produced, and means to add atomized fuel to said fuel mixture after passing through the vaporizer.

- 1,406,599. DISH-WASHING MACHINE. SYLVESTER F. WILSON, East St. Louis, Ill. Filed Mar. 28, 1921. Serial No. 456,238. 1 Claim. (Cl. 141-9.)



An improved dish-washing machine, comprising a supporting-frame; a washing-chamber having a cover-opening in its top; a cover for said opening; said chamber being provided with a reduced central bottom, and having sloping side-walls, which converge in curves to the said cover-opening in the top, and to the said reduced central

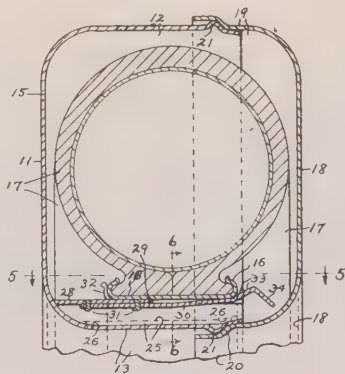
bottom; dish-racks in said chamber; a compressed-air pipe extending from the exterior of said chamber through an aperture in the wall thereof; a horizontal jet-section of said compressed-air pipe, having a series of jet-apertures and located upon said reduced central bottom; an air-pump arranged to force air through the said compressed-air pipe and its said horizontal jet-section; a motor for said air-pump; and an air suction-pipe extending from the air-inlet of said air-pump to the interior of the upper portion of said chamber, to withdraw the hot vapor and air therefrom, and return said hot vapor and air to the said air-pump, to be used over and over.

- 1,406,600. PROPELLER-HUB CONSTRUCTION. ALBERT F. ZAHM, Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation, a Corporation of New York. Filed Oct. 13, 1916. Serial No. 125,411. 7 Claims. (Cl. 170-159.)



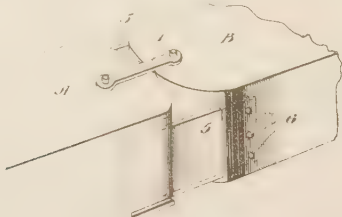
1. A wooden aeronautical propeller in which the grain of the wood extends longitudinally and uninterruptedly through the hub from blade tip to blade tip, the propeller at the hub being reinforced by one or more cross grained reinforcing strips of wood for the purpose specified.

- 1,406,601. SAFE FOR TIRED WHEEL RIMS. WILLIAM T. ANDERSON, Cleveland, Ohio. Filed June 28, 1920. Serial No. 392,150. 6 Claims. (Cl. 224-29.)



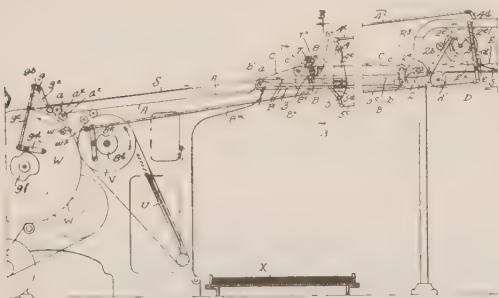
2. In a safe of the character indicated, a body comprising a head which forms the rear end wall of the safe and has two forwardly projecting spaced annular flanges arranged the one externally of and substantially concentrically in relation to the other and participating in the formation of an annular chamber, plates arranged at the inner side and extending transversely and spaced circumferentially of the inner flange of and secured to the body, each plate having an offset portion which is spaced from said inner flange and arranged to extend transversely of the inner circumferential surface of a wheel-rim placed in the desired position in said chamber and has a resilient member extending forwardly of the space occupied by said rim in said position of the rim, said resilient member having its forward end portion arranged as required to prevent forward displacement of said rim in said position of the rim, and the aforesaid offset portion of the plate having an abutment arranged to prevent rearward displacement of said rim.

1,406,602. BOAT. CARL J. BAER, St. Louis, Mo. Filed Jan. 24, 1921. Serial No. 439,423. 12 Claims. (Cl. 114—235.)



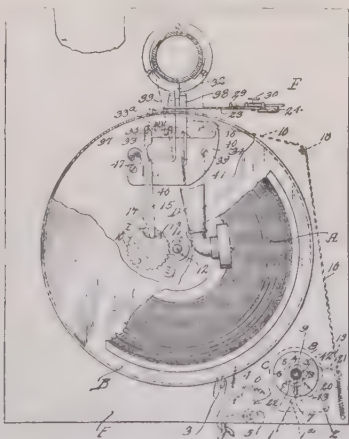
1. The combination with two connected boats having a water space therebetween, of a plate projecting from each side of the central line of one boat and extending into recesses in the connected boat, substantially as described.

1,406,603. TWO-PATH SHEET TIMING AND TRANSFERRING MECHANISM. FRANK R. BELLUCHE, Boston, Mass., assignor to United Printing Machinery Company, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 29, 1920. Serial No. 433,812. 28 Claims. (Cl. 271—50.)



4. In mechanism as set forth in claim 1; means adapted to retard the movement of the sheets in the respective paths so that they will be forwarded in proper time toward the second means for operating upon sheets.

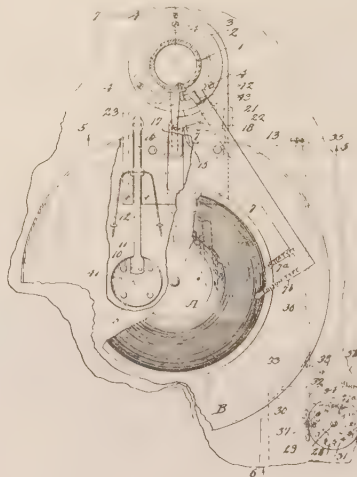
1,406,604. AUTOMATIC STOP AND REPEATING MEANS FOR GRAPHOPHONES. CLIFFORD C. BROOKS and EDWIN O. KLEMM, Saginaw, Mich., assignors to Klemm Manufacturing Company, Saginaw, Mich. Filed Apr. 4, 1917. Serial No. 159,809. 50 Claims. (Cl. 274—15.)



1. In a sound reproducing machine, the combination with a record carrier and operating means therefor, and

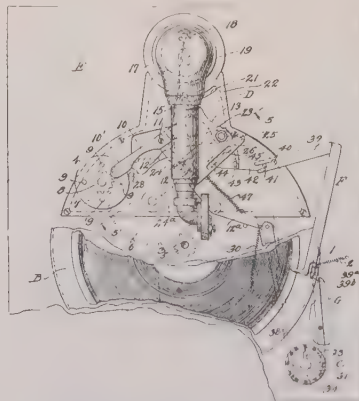
a reproducer operable therewith, of an operation predetermining device, and means controlled by said device to cause a predetermined number of traversing operations of the reproducer upon any portion of a record and stopping of the carrier, and repeated traversing actions of the reproducer without stopping of the carrier.

1,406,605. AUTOMATIC STOP AND REPEATING MEANS FOR GRAPHOPHONES. CLIFFORD C. BROOKS and EDWIN O. KLEMM, Saginaw, Mich., assignors to Klemm Manufacturing Company, Saginaw, Mich. Filed May 29, 1917. Serial No. 171,790. 29 Claims. (Cl. 274—15.)



1. In a sound reproducing machine, the combination with a record carrier, and reproducer adapted to traverse a record on said carrier and comprising an arm, of a trip connected to move with the arm, a locking member coacting with the trip to hold the same stationary during certain movement of the reproducer arm, means to render the locking member inactive during other movement of said arm, said arm being adapted to control restoration of the locking member to locking relation respecting the trip, and reproduction discontinuing means controlled by said locking member.

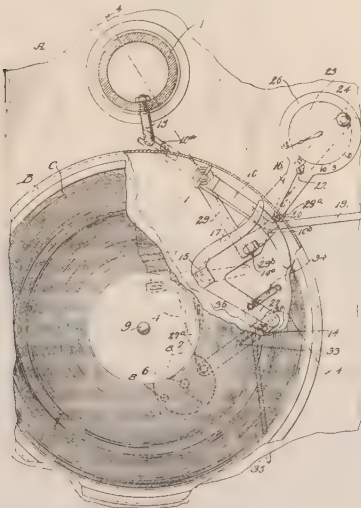
1,406,606. AUTOMATIC STOP AND REPEATING MEANS FOR GRAPHOPHONES. CLIFFORD C. BROOKS and EDWIN O. KLEMM, Fenton, Mich., assignors to Klemm Manufacturing Company, Saginaw, Mich. Filed May 29, 1917. Serial No. 171,791. Renewed Nov. 9, 1921. Serial No. 514,121. 34 Claims. (Cl. 274—15.)



1. In a sound reproducing machine, the combination of a record carrier and reproducing means, of a controller cooperative with a record on the carrier for predetermin-

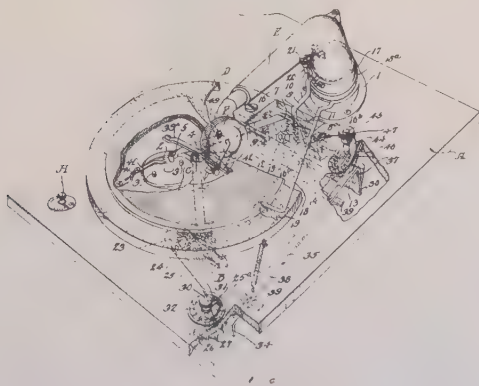
ing the point of commencement of reproduction of the record by said reproducing means, and automatic instrumentalities to shift the reproducing means to a point of commencement of reproduction of the record under the control of said controller.

1,406,607. AUTOMATIC STOP AND REPEATING MEANS FOR GRAPHOPHONES. CLIFFORD C. BROOKS and EDWIN O. KLEMM, Saginaw, Mich., assignors to Klemm Manufacturing Company, Saginaw, Mich. Filed Sept. 14, 1917. Serial No. 191,395. 17 Claims. (Cl. 274-15.)



1. In a sound reproducing machine, the combination with a record carrier and a reproducer adapted to traverse a record thereon, of a part connected to the reproducer to move it to a reproduction commencement point and to be then moved by and with the reproducer during reproduction operation of the latter, an actuating device for said part, a driver for said device, a timing member connected with said first part to move to and from reproduction commencement point therewith, and means intermediate the timing member and actuating device to render the latter operative by the driver at a certain time during movement of the timing device as the reproducer moves from said reproduction commencement point.

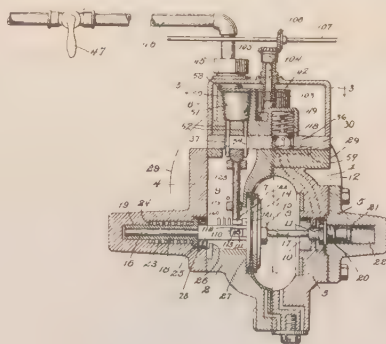
1,406,608. AUTOMATIC STOPPING AND REPEATING MEANS FOR GRAPHOPHONES. CLIFFORD C. BROOKS and EDWIN O. KLEMM, Saginaw, Mich., assignors to Klemm Manufacturing Company, Saginaw, Mich. Filed Mar. 15, 1918. Serial No. 222,636. 31 Claims. (Cl. 274-15.)



1. In a sound reproducing machine, the combination with a record carrier, and a reproducer adapted to trav-

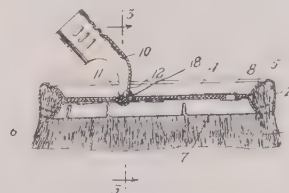
erse a record thereon, of automatic repeating and stopping instrumentalities comprising driving mechanism adapted to elevate the reproducer from the record and carry it to a point of reproduction commencement respecting said record, a trip movable with the reproducer and adapted to be held stationary during movement of the reproducer, means whereby when the reproducer is in non-reproducing position the trip is maintained in a fixed position in relation to the driving means aforesaid, said driving means comprising parts adapted to relieve the trip from being held in its fixed position above mentioned to enable it to move with the reproducer when the latter is being shifted to a point of reproduction commencement and is moving to a point of reproduction discontinuance.

1,406,609. TRIPLE VALVE. WILLIAM GEO. CANON, Glen Burnie, Md., assignor to Canon Air Brake Company, Bisbee, Ariz., a Corporation of Arizona. Filed June 11, 1919. Serial No. 303,320. 33 Claims. (Cl. 303-34.)



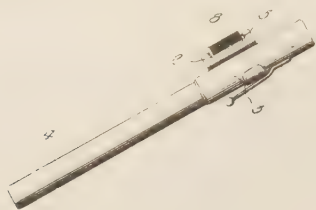
1. A triple valve embodying a valve casing having a normally open free exhaust port and a pressure retaining exhaust conduit, a valve mechanism for controlling the supply of air for braking actions and the free or restricted exhaust of air from the brake cylinder to the atmosphere respectively through said normally open exhaust port and said pressure retaining exhaust conduit, and a member responsive to variations in train line and auxiliary reservoir pressures for actuating said valve mechanism, said member being operable by pressure variations to adjust the valve for full exhaust through said normally open free exhaust port or for augmenting or reducing the pressure in the pressure retaining conduit.

1,406,610. FLOOR MOP. CHARLES A. CHANNELL, Chicago, Ill., assignor to Channell Chemical Company, a Corporation of Illinois. Filed Aug. 9, 1917. Serial No. 185,235. 6 Claims. (Cl. 15-13.)



1. A device of the character described comprising a metal head, a flange extending therearound, a mop normally held along said flange, said head having means extending downwardly and outwardly to engage and constitute the sole means of permanently holding the mop against the flange.

1,406,611. CHECK GUARD. VINCENT CHELENA, Atlanta, Ga. Filed Aug. 2, 1921. Serial No. 489,281. 3 Claims. (Cl. 101—23.)



1. A check guard comprising an attaching frame formed of a single piece of spring metal having one portion thereof curved to permit of engagement with an article, and a barrel-like marking device rotatably mounted on the opposite portion of said frame having a plurality of series of circumferentially disposed squared pointed teeth formed on its peripheral surface.

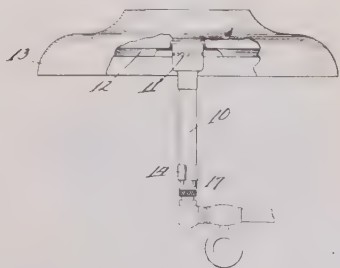
1,406,612. [WITHDRAWN.]

1,406,613. PRESSURE-OPERATED SWITCH. ALBERT H. COBB, Boston, Mass., assignor to Cobb Electric Appliance Company, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 23, 1917. Serial No. 203,615. 14 Claims. (Cl. 200—81.)



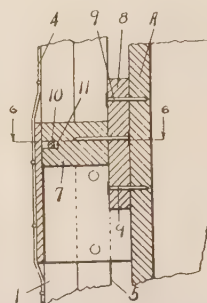
5. A pressure-operated switch comprising a pressure-measuring movable actuating member, complementary switch contacts, one of which is relatively stationary and the other of which is guided to move in a prescribed path toward and away from the first one, and means supporting the first-named contact in a manner permitting it to be moved with the second-named contact when the contacts become fused together.

1,406,614. REGULATOR FOR GAS-HEATER BURNERS. THOMAS W. CORKELL, Chicago, Ill. Filed Apr. 30, 1920. Serial No. 377,847. 2 Claims. (Cl. 158—118.)



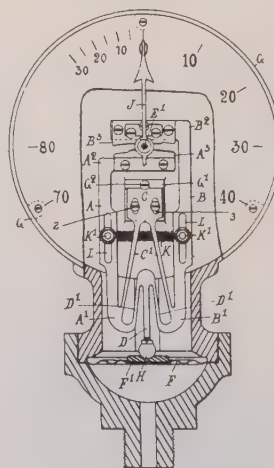
2. A gas burner regulator comprising a band encircling the burner tube and adapted to slide thereon, said band being provided with a bolt for locking same in adjusted position, and an inwardly projecting lug for maintaining same in normal working position.

1,406,615. CRATING OR PACKING MEANS. CHARLES ALLEN CUMMINGS, Battle Creek, Mich., assignor to Battle Creek Box Company, Battle Creek, Mich. Filed Apr. 2, 1921. Serial No. 457,970. 7 Claims. (Cl. 217—52.)



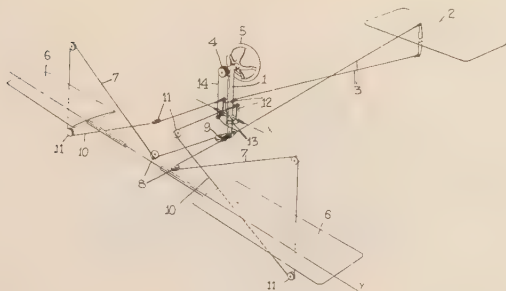
1. The combination with the article to be crated, of a wire bound crate of such dimensions that the article may be supported within the crate entirely out of contact with the walls thereof, support members secured to the bottom of the article and to one wall of the crate, the ends of the support members extending beyond the sides of the article, said support members being recessed and grooved on their under sides, suspending wires passed around the article and around said support members engaging the grooves thereof, said wires being under such stress as to clamp the article to said support members suspending it therefrom and out of contact with the walls of the crate with the crate in any position, the article being provided at its corners with angled guards over which the wires are passed, and turnbuckles for drawing up the wires disposed in said recesses.

1,406,616. FLUID-PRESSURE GAUGE. JOHN CUTTS and WILLIAM CUNNINGTON GILLOTT, Nottingham, England. Filed Sept. 3, 1915. Serial No. 48,800. 6 Claims. (Cl. 73—110.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a pressure gauge, a transmitting arm provided at one end with means for connecting it with the indicating mechanism, and having at its other end two spring members each rigidly secured to it at one end, one spring member having at its other end a fastening device for connecting it to a stationary support, and the other spring member having at its other end a stem for operatively connecting it with a pressure-operated device.

1,406,617. CONTROL FOR AIRCRAFT. NELSON W. DALTON, Garden City, N. Y., assignor to Curtiss Aeroplane and Motor Corporation, a Corporation of New York. Filed June 4, 1918. Serial No. 238,225. 6 Claims. (Cl. 244—29.)

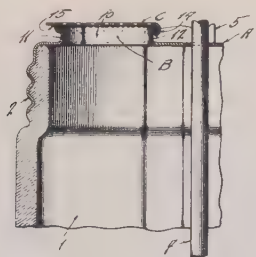


1. In an airplane, the combination with lateral balancing surfaces, an elevational control surface and a control element, of a drum carried by and movable with the control element, separate control devices movable simultaneously either in the same direction or in opposite directions, a connection between the control devices and the drum, a series connection between the control devices and the lateral balancing surfaces, and a connection between the control element and the elevational control surface, the relative arrangement of the several connections being such that fore and aft oscillation of the control bridge actuates the lateral balancing surfaces and the elevational control surface simultaneously.

1,406,618. COMPOSITION OF MATTER FOR DEADENING PARTITIONS, FLOORS, AND THE LIKE. HARRY B. DAVIS, Chicago, Ill., assignor of one-fourth to Dr. Bert H. Kershaw, and one-fourth to Miles L. Whitney, Chicago, Ill. Filed Oct. 28, 1920. Serial No. 420,275. 1 Claim. (Cl. 106—29.)

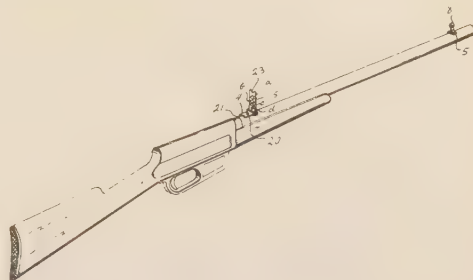
A composition of matter adapted to form tone boxes for phonographs, comprising four parts ground cork, one part asbestos, one part ground silica, two and one half parts magnesium oxide, and magnesium chloride, substantially as described.

1,406,619. CHURN. NATHAN P. DAZEY, St. Louis, Mo., assignor to Dazey Churn and Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Feb. 2, 1921. Serial No. 441,936. 12 Claims. (Cl. 259—43.)



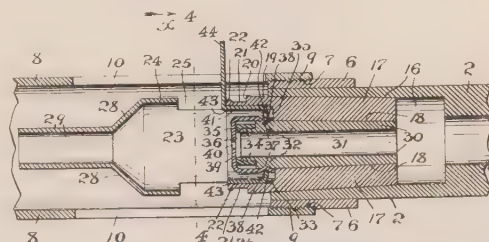
1. In a churn, the combination of a churn receptacle open at its top, a removable closure or cover for closing the open top of said receptacle said closure having there-through an aperture opening directly into the churning chamber, a dasher adapted to be introduced into and removed from said churn receptacle through its open top upon removal of said closure, dasher operating means extending through said closure to said dasher, and a strainer removably and detachably applied to said aperture of the closure.

1,406,620. GUN SIGHT. LUKE C. DEAR, Butte, Mont. Filed Oct. 11, 1920. Serial No. 416,123. 14 Claims. (Cl. 33—51.)



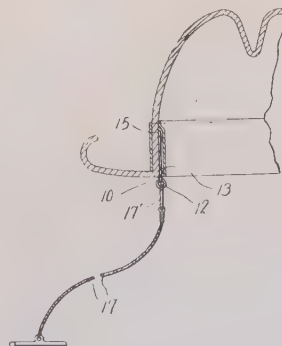
1. A gun having a foresight and a rear sight, the latter having a vertical series of openings conforming each at one portion to the shape of the foresight in rear elevation.

1,406,621. SOLDERING TOOL OR IMPLEMENT. SAMUEL H. DICE, Newark, N. J. Filed Jan. 18, 1921. Serial No. 438,139. 9 Claims. (Cl. 158—26.)



7. A soldering tool comprising a main tubular gas-conveying element, a tubular flame-conveying member connected therewith, said last-mentioned member having soldering end, and a gas-valve connected with said gas-conveying element, said gas-valve comprising a tubular body, a cap mounted in a fixed position upon one end of said tubular body, said cap having an outlet opening, and a second cap rotatably mounted over said first-mentioned cap, said second-mentioned cap being also provided with an outlet opening.

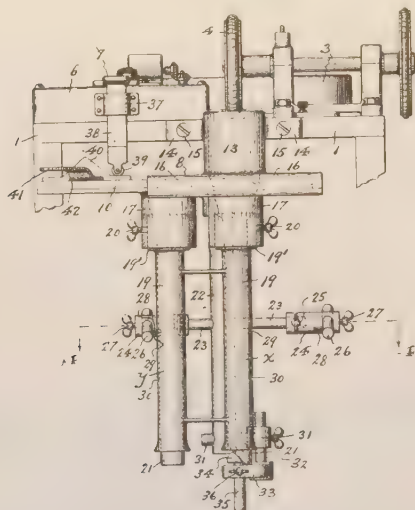
1,406,622. HAT GUARD. JOHN J. DONLIN, New York, N. Y. Filed Oct. 19, 1920. Serial No. 418,002. 1 Claim. (Cl. 2—186.)



In combination with a hat, of a Y-shaped member provided with a plurality of openings, lugs projecting from

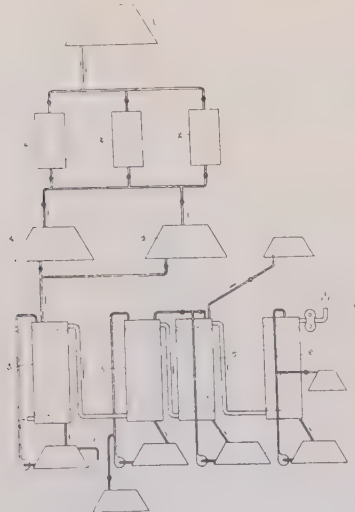
opposite sides of said member and provided with a plurality of openings, means engaging said openings for securing said member and lugs to said hat, a ring secured to one end of said member, and a hat cord detachably secured to said ring.

1,406,623. WRAPPER-HOLDING MECHANISM FOR COIN-COUNTING MACHINES. EDWARD P. DONNELLAN, Brooklyn, N. Y., assignor, by mesne assignments, to Standard-Johnson Co., Inc., a Corporation of New York. Filed Nov. 30, 1920. Serial No. 427,389. 13 Claims. (Cl. 133—8.)



1. A wrapper holding mechanism for coin counting machines, comprising a pair of tubular wrapper holders, means for alternately moving said wrapper holders to an "in service" position, and wrapper positioning stops with which said holders cooperate when in an "out of service" position.

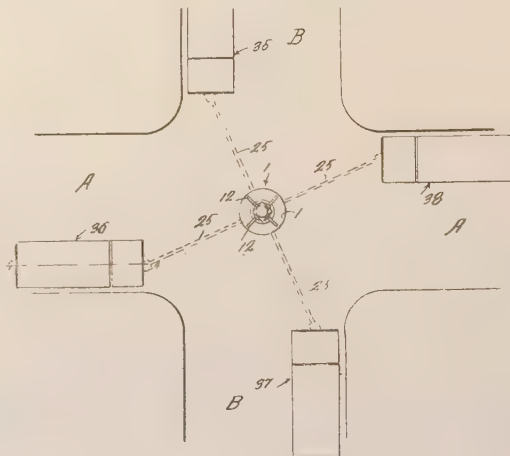
1,406,624. METHOD OF AND APPARATUS FOR EXTRACTING BROMINE. HERBERT H. DOW, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed June 7, 1916, Serial No. 102,237. Renewed Aug. 14, 1920. Serial No. 403,513. 6 Claims. (Cl. 204—1.)



1. In a process of extracting bromine from a brine containing a bromide, the steps which consist in treating

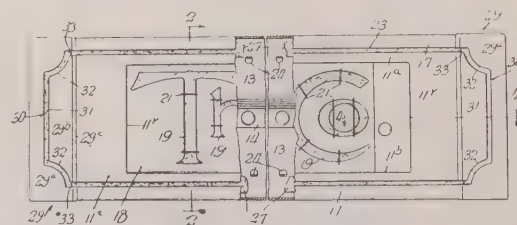
such brine to set less than the total amount of bromine free; and then allowing such treated brine to stand, with free chlorine present therein, long enough for such free chlorine to react with the residual bromide.

1,406,625. SAFETY APPARATUS. ARTURO DURAN, San Antonio, Tex. Filed July 29, 1919. Serial No. 314,065. 9 Claims. (Cl. 30—6.)



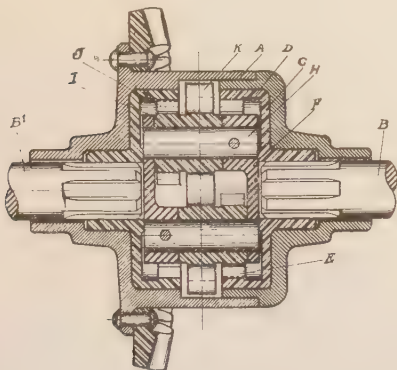
1. In a vehicle obstructing mechanism for intersecting roads, the combination of an obstructor placed near each corner of the intersection; a vehicle operated mechanism located adjacent each corner of the intersection, and connections between said vehicle operated mechanisms and obstructors, whereby actuation of one of said vehicle operated mechanisms will actuate the obstructors located on the intersecting road.

1,406,626. ILLUMINATED SIGN. CHARLES B. EHNBOEN, Glen Ellyn, Ill., assignor to Thos. Cusack Company, Chicago, Ill., a Corporation of New Jersey. Filed Mar. 28, 1921. Serial No. 456,078. 6 Claims. (Cl. 40—133.)



1. An illuminated sign, comprising a hollow body including a front wall, constituting the face of the sign, said front wall being constructed to present openings outlining a border and sign matter within the border, the body being of flat isosceles triangular cross section with the front wall corresponding to the base thereof, and a wide obtuse angle at the apex and means providing for the support of a row of lights at the apex of the triangle, said lights illuminating the sign matter openings by direct rays and illuminating the border openings by reflection from the angularly disposed walls of the body.

1,406,627. VARIABLE-LEVERAGE GEARING. FRANK V. ELBERTZ, Kokomo, Ind., assignor of one-fourth to Andrew Bachle, Detroit, Mich. Filed Jan. 2, 1920. Serial No. 348,952. 5 Claims. (Cl. 74—99.)

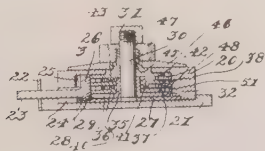


1. The combination with a rotary drive member and a plurality of rotary driven members, of a differential gearing between said members including variable leverage intermeshing gears.

1,406,628. PROCESS OF COATING CANDIES. CLINTON ELLIOTT, New York, N. Y. Filed Nov. 22, 1919. Serial No. 339,995. 2 Claims. (Cl. 99—11.)

2. A method of coating candies which comprises first coating them with dry sugar and then gradually adding syrup, permitting the same to set on the candies to provide a coherent substantially uniform coating.

1,406,629. COMBINATION LOCK. JOHN S. ERICKSON, Waukegan, Ill. Filed July 3, 1917. Serial No. 178,441. 2 Claims. (Cl. 70—53.)

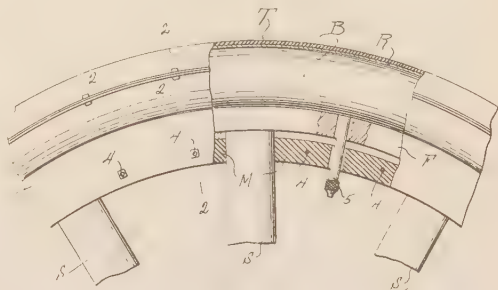


1. A combination lock comprising a cylindrical casing having a base plate; a bolt slidably mounted in said casing; a stud on said bolt; a revoluble plate mounted in said casing and having an eccentric slot therein engaging said stud; a stem concentrically mounted on said revoluble plate and projecting outside of said casing; a supporting plate mounted in said casing above said revoluble plate and having a sleeve loosely fitting above said stem; slotted tumblers loosely mounted on said sleeve and normally preventing retraction of said bolt; a disc loosely mounted on said stem for positioning said tumblers to permit retraction of said bolt; and a knob on said stem for rotating said revoluble plate to retract said bolt, substantially as described.

1,406,630. TIRE. MIKE B. FLAHERTY, Steubenville, Ohio, assignor of one-half to John L. Sober, Steubenville, Ohio. Filed Nov. 10, 1920. Serial No. 423,113. 3 Claims. (Cl. 152—34.)

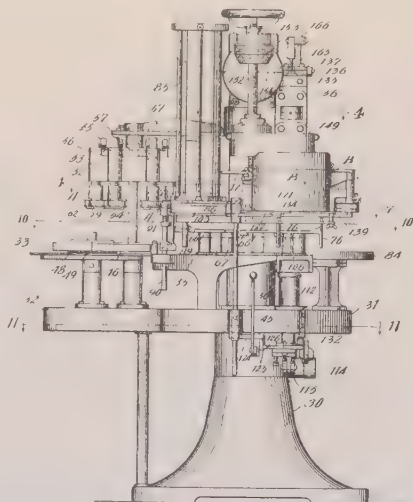
3. A tire structure comprising, in combination with the felly of a wheel and the spokes associated therewith, a

rim disposed circumferentially around the felly and spaced therefrom, a cushioning agency interposed between the felly of the wheel and the rim, said rim being provided with inwardly directed side flanges overlying the sides of the felly and extending inwardly thereof, and yieldable



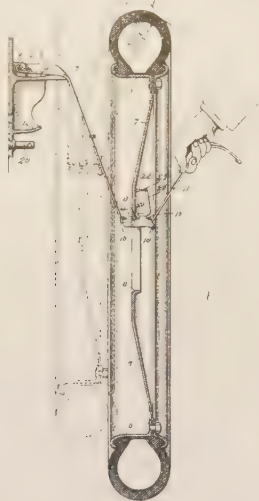
members secured to the inwardly extending portions of the flanges between the adjacent spokes and contacting therewith.

1,406,631. FILLED-CAN-CLOSING MACHINE. PAUL W. FLEISCHER, West Hoboken, N. J., assignor to American Can Company, West Hoboken, N. J., a Corporation of New Jersey. Filed Nov. 28, 1913. Serial No. 803,406. 49 Claims. (Cl. 113—14.)



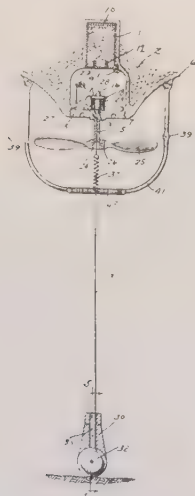
1. A can seaming machine including, in combination: a relatively stationary seaming mechanism having seaming rolls and upper and lower chucks; a feeder for propelling can bodies to said seaming mechanism; means, operable in unison with said feeder, for picking up a can end and moving it toward the seaming mechanism; guides on which the can ends are supported while being moved toward the seaming mechanism; and mechanism for lifting the lower chuck after a can has been placed thereon and while still moving, to thereby press the can body up against the can end, substantially as specified.

1,406,632. WHEEL RACK AND LIFT. GERHARD G. C. FLINTERMANN, New York, N. Y. Filed Aug. 6, 1919. Serial No. 315,686. 27 Claims. (Cl. 224—29.)



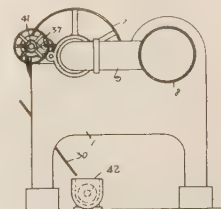
1. The combination with a wheel rack, of a flexible conveyer secured at one end to said rack and having its other end free to be passed under that portion of a wheel which is to be seated on said rack.

1,406,633. AERIAL BOMB. ENOS C. FRISK, Somerset, Wis. Filed Apr. 17, 1920. Serial No. 374,536. 8 Claims. (Cl. 102—2.)



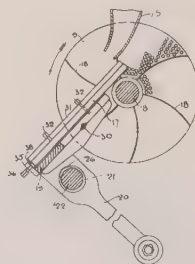
1. In an aerial bomb, the combination with a shell, of a normally retracted firing pin a normally compressed spring tending to project said pin, a propeller and co-operating means normally holding the firing pin retracted and said spring compressed, but rendered operative by the falling of the bomb to be disengaged from the firing pin, supplemental means adapted to hold said spring compressed and said pin retracted, a normally held leading weight, a cable connecting the leading weight to the trigger, said leading weight, when released, adapted to move said supplemental means into a position to retain the firing pin in retracted position when released by the propeller and co-operating means, and then to release said supplemental means when coming in contact with the earth or target.

1,406,634. PNEUMATIC ROLLER GIN. JAMES C. GARNER, Houston, Tex., assignor, by mesne assignments, to The Garner Gin Company, Inc., Houston, Tex., a Corporation of Texas. Filed Mar. 17, 1919, Serial No. 283,204. Renewed July 5, 1921. Serial No. 482,559. 12 Claims. (Cl. 13—7.)



4. A machine for ginning cotton including a flue pipe, a hollow rotatable foraminated drum, branch pipes leading from the ends of the drum and entering said flue pipe, a hopper through which cotton is fed against the periphery of the drum, a stripper blade, whose edge is arranged adjacent the drum and against which the cotton is carried by the drum, said blade operating to strip the lint cotton from the seed therein, a reciprocating stripper bar arranged adjacent the blade, and a chute arranged to receive the lint from said blade and to conduct the same from the drum to said flue pipe.

1,406,635. PNEUMATIC DISK GIN. JAMES C. GARNER, Houston, Tex., assignor, by mesne assignments, to The Garner Gin Company, Inc., Houston, Tex., a Corporation of Texas. Filed Apr. 4, 1919, Serial No. 287,644. Renewed July 5, 1921. Serial No. 482,560. 8 Claims. (Cl. 13—7.)

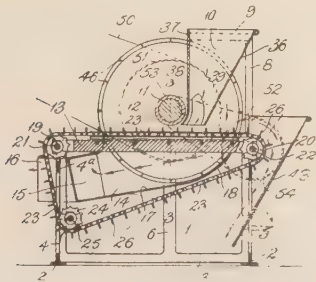


6. In a device of the character described a plurality of perforated stripper disks, spaced apart and fixed in relation to each other, suction flues, and conveyor chutes alternatively arranged and projecting into the corresponding spaces between the disks, stripper blades arranged in the spaces into which the chutes project, which cooperate with the disks to strip the lint of seed cotton, delivered into said spaces, from the seed thereof, said flues being arranged to receive said lint and to convey the same from said spaces.

1,406,636. SEED CLEANER. JAMES C. GARNER, Houston, Tex., assignor, by mesne assignments, to The Garner Gin Company, Inc., Houston, Tex., a Corporation of Texas. Filed Feb. 3, 1920. Serial No. 355,933. 5 Claims. (Cl. 13—7.)

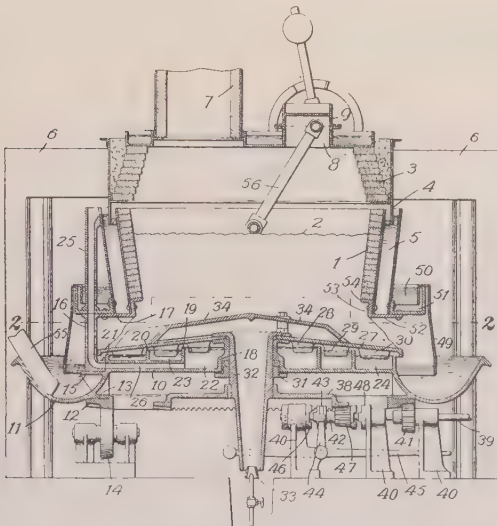
3. The combination of the two adjacent disks, the support positioned between the disks and having its edges adjustable relatively to the faces of the disks to provide variable air passages, the endless carrier chain on the support having its active leg arranged to move between

the disks and across their faces and having its return leg positioned below the active leg, the air chamber below the support, means for feeding seed to points be-



tween the disks and deliver them to the carrier, and means for exhausting air downward along the edges of the support.

1,406,637. GAS PRODUCER. JEROME R. GEORGE, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed July 1, 1915. Serial No. 37,571. 34 Claims. (Cl. 48—85.1.)

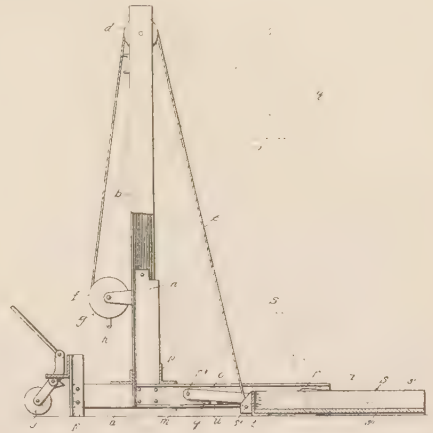


1. In a gas producer, a fuel section, an ash support on which the bed of fuel rests, and a single device movable relatively to said support for discharging blast into said bed over the entire surface of said ash support and for controlling the discharge of ashes from said support.

1,406,638. PORTABLE ELEVATOR. HENRY SHELDEN GERMOND, Jr., Bayonne, N. J., assignor to Revolverator Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 11, 1920. Serial No. 384,971. 3 Claims. (Cl. 187—11.)

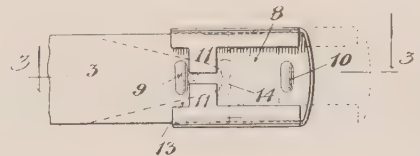
2. A portable elevator including an upright main frame; hoisting mechanism; a lifting-carriage arranged

to travel up and down in said main frame; a load-receiving basket; and link-arms which connect the latter to the



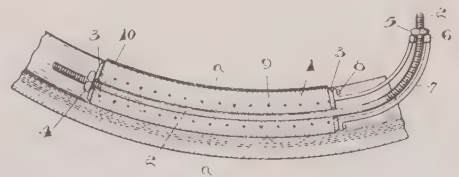
lifting-carriage and upon which the basket swings up and down relatively to the lifting-carriage.

1,406,639. HAIR-CURLING DEVICE. JOSEPH GOLD-SMITH, Jr., Chicago, Ill. Filed Jan. 22, 1921. Serial No. 439,069. 10 Claims. (Cl. 132—41.)



1. A device of the class described comprising a hair curler having a pair of resilient arms, a slidable guard on one of said arms adapted to be moved to overlie the end of the other arm, the guard having a projection and one of said arms having an opening adapted to receive said projection.

1,406,640. EXPANSIBLE CORE FOR VULCANIZING TIRES. WILLIAM A. GRAM and MARTIN F. GRAM, Welland, Ontario, Canada. Filed Nov. 21, 1921. Serial No. 516,627. 4 Claims. (Cl. 18—45.)

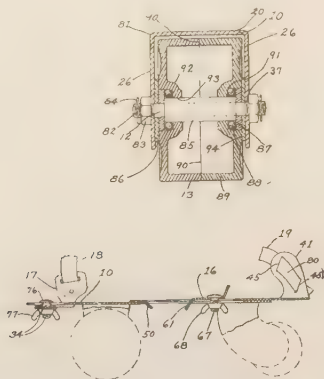


1. An expansible core for vulcanizing tires comprising a mass of resilient rubber; clamping heads applied to the ends of said core; a rod extended axially through said mass, secured at one end to one of said heads and passing freely through the other or movable head, its free end being curved laterally out of alinement with the axis of the core and having a screw thread formed thereon; an abutment member through which the curved end passes and which engages the movable clamping head; and a nut threaded on the said end engaging the abutment member.

1,406,641. ROLLER SKATE. EMERY EASTMAN HARDY, Brooklyn, N. Y. Filed Jan. 15, 1920. Serial No. 351,579. 17 Claims. (Cl. 46—51.)

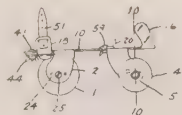
1. In a roller skate, a frame structure having a heel supporting portion, a pair of wheels in spaced relation and

positioned under the side edges of the said heel supporting portion, a shaft extending intermediate the said wheels, a pair of side arms for supporting the said frame structure from the said shaft connected by their lower ends to the said shaft, and the said arms being directed from the said lower ends forwardly and upwardly and connected to



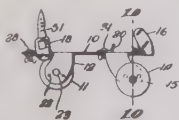
the body of the said frame structure in front of the said wheel receiving portion, whereby with the side arms flat and parallel and connected integrally and directly by their upper ends with the frame structure the separating distance between the arms is less than the over-all width of the heel supporting portion of the frame structure.

1,406,642. ROLLER SKATE. EMERY EASTMAN HARDY, Brooklyn, N.Y. Filed Jan. 15, 1920. Serial No. 351,580. 9 Claims. (Cl. 46—51.)



1. A roller skate having a frame that is made of sheet material, comprising a body portion and arms extending downwardly from the side edges of the said body portion for connecting with the wheel devices, comprising a pair of arms at the front end for the front wheel structure and a pair of arms at the rear end for the rear wheels, the wheel devices being in each case positioned in holes in the said arms, the said arms having each a plurality of such holes for positioning the wheel devices, for providing a choice for locating the said wheel devices relatively to the said frame, and the said frame being made of a single piece of such sheet material.

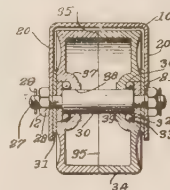
1,406,643. ROLLER SKATE. EMERY EASTMAN HARDY, Brooklyn, N.Y. Original application filed Jan. 15, 1920, Serial No. 351,580. Divided and this application filed Aug. 9, 1920. Serial No. 402,367. 3 Claims. (Cl. 46—51.)



1. A roller skate comprising a frame having a body, a front wheel structure positioned under the front end portion of the said body, a pair of side arms extending downwardly from the said body in spaced relation, a shaft extending through the said wheel structure and having the

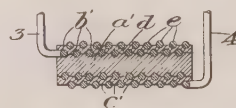
ends in abutment with the said arms, and the said shaft being of tubular form, having the interior screw-threaded and provided with holding screws at the ends for connecting with the said side arms.

1,406,644. ROLLER SKATE. EMERY EASTMAN HARDY, Brooklyn, N.Y. Original application filed Jan. 15, 1920, Serial No. 351,579. Divided and this application filed Aug. 9, 1920. Serial No. 402,368. 5 Claims. (Cl. 46—51.)



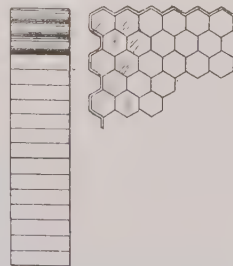
1. In a roller skate, a wheel body formed of sheet material and having a hub portion that is provided with an inwardly directed cupped portion, a bearing sleeve for co-operating as a bearing device with the extreme inner and axial portion of the said hub portion and also with a set of balls at the inner portion of the said cupped portion, an annular cone member for closing the said cupped portion, positioned in abutment with the outer end portion of the said sleeve, and having the periphery housed within the opposed border wall of the said cupped portion, and means for holding the said cone member in position at the said outer end portion of the said sleeve.

1,406,645. INCANDESCENT ELECTRIC LAMP. JOHN ALLEN HEANY, New York, N.Y. Filed July 29, 1916. Serial No. 111,993. 1 Claim. (Cl. 176—40.)



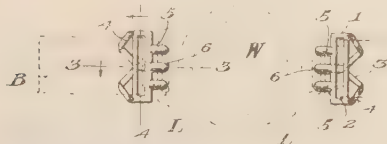
A relatively short large diameter glowor of the type described for incandescent electric lamps, including a support formed of a refractory compound, a resistor therefor composed of a helix of refractory metal embedded therein, and a radiator comprising a surface of refractory compound in which is partially embedded a helix of refractory metal.

1,406,646. ILLUMINATED SIGN. WILLIAM F. HERTERICH and WALTER G. NEUBECK, New York, N.Y. Filed Feb. 18, 1921. Serial No. 445,982. 6 Claims. (Cl. 40—141.)



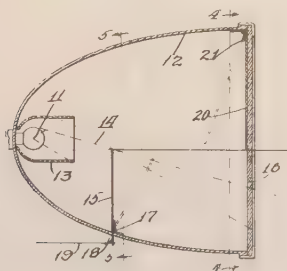
4. An illuminated sign structure comprising a plurality of transparent elements closely bound together into a desired shape, and so positioned relative to each other that the light passes through said members longitudinally.

- 1,406,647. RIBBON BRACELET. RUFUS KING, Plainville, Mass., assignor to Bugbee & Niles Company, North Attleboro, Mass. Filed Nov. 1, 1921. Serial No. 512,159. 5 Claims. (Cl. 24—237.)



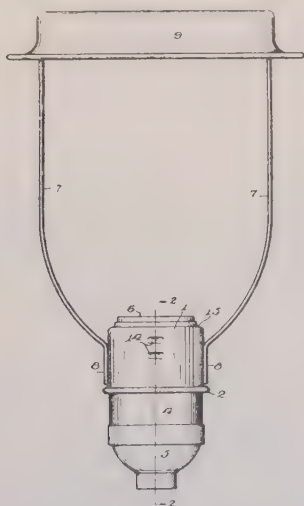
4. In a wrist watch ribbon bracelet, an attaching member composed of a base having a keeper, and a multiplicity of hooks one of which laps the keeper.

- 1,406,648. HEADLIGHT. FRANK W. INGOLS, Chicago, Ill. Filed Mar. 24, 1920. Serial No. 368,561. 1 Claim. (Cl. 240—41.)



A headlight comprising a casing, a portion of which is darkened to prevent reflection of light, a lamp and reflector in the casing, opaque means for defining the upper limit of a beam of bright light emanating from the headlight, and translucent means separated from said opaque means and also defining the upper limit of the bright beam of light and means operable from a distance for adjusting either the opaque or the translucent limiting means.

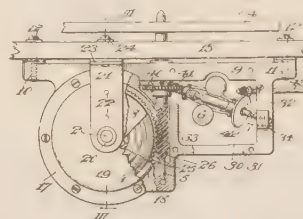
- 1,406,649. SNAP SHADE HOLDER FOR ELECTRIC SOCKETS. WILLIAM JAEGER, Philadelphia, Pa. Filed Aug. 9, 1921. Serial No. 490,835. 8 Claims. (Cl. 240—111.)



1. A shade holder adapted to be carried by an electric lamp socket having a raised portion, comprising a shell

adapted to surround a portion of a socket, and an integral knob projecting radially inwardly from said shell and operative to resiliently engage a raised portion of a socket, to yieldingly maintain said shell thereon.

- 1,406,650. SPRING MOTOR. JOSEPH W. JONES, New York, N. Y. Filed June 23, 1920. Serial No. 391,173. 19 Claims. (Cl. 185—37.)

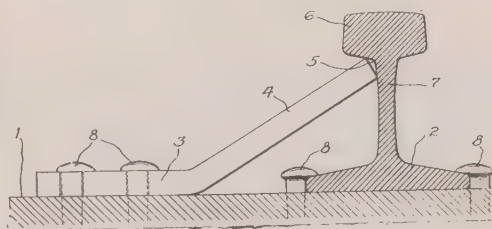


1. In a device of the character described, a suitable support, a frame, means for securing the frame to the support at two points, a spring enclosing casing, and means carried by the casing for securing the frame to the support at a third point offset from the other two points.

- 1,406,651. SEPARATING MATERIAL FOR MOLDS. JOHN B. JONES, Atlantic City, N. J. Filed Dec. 24, 1920. Serial No. 433,031. 3 Claims. (Cl. 18—47.)

1. A separating material for plaster casts and the like which consists of shellac dissolved in an aqueous solution of borax.

- 1,406,652. RAIL BRACE. PAUL T. JONES, New York, N. Y. Filed May 10, 1921. Serial No. 468,391. 1 Claim. (Cl. 238—336.)

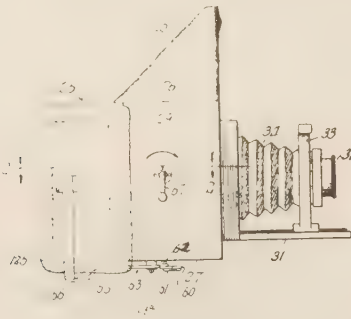


The combination of a railway rail structure of ordinary type, a wooden tie supporting said rail structure, a brace composed of two plate portions, one of which lies on top of said tie and the other of which inclines upwardly from said tie and contacts with said rail at the angle between the head of the rail and the vertical web thereof, and a plurality of single-headed metal fasteners for said brace entering the wood of said tie and spaced in the direction longitudinally of the rail, said brace permitting upward movement of said rail structure under traffic without stressing the brace whereby said fasteners are free from stress except during the downward movement of the rail.

- 1,406,653. CAMERA. GEORGE W. KAUSER, Chicago, Ill. Filed Apr. 3, 1920. Serial No. 370,985. 7 Claims. (Cl. 88—19.1.)

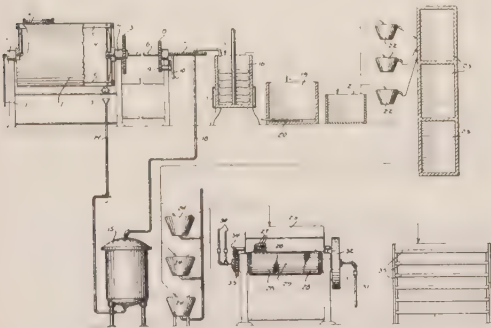
1. In a camera, in combination with the shutter and a device for operating the shutter, a magazine for supporting a plurality of sensitized members in the plane of the axis of the exposure area of the camera, changer mecha-

nism for removing an exposed sensitized member and for replacing it by an unexposed sensitized member, and



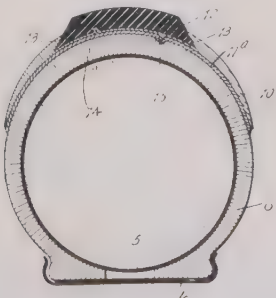
means for automatically actuating said changer mechanism in proper timed relation with said shutter operating device.

1,406,654. METHOD OF DERESINATING AND PURIFYING BALATA. CHRISTOPHER H. KEITH and NORMAN G. MADGE, Providence, R. I., assignors to Revere Rubber Company, a Corporation of Rhode Island. Filed Nov. 14, 1921. Serial No. 514,945. 5 Claims. (Cl. 18—50.)



1. The process of purifying balata or like material which consists in treating the balata with a solvent in which its resinous content is soluble, separating out and dissolving the balata residue, mechanically removing impurities therefrom, depositing the balata from the solution and drying and compacting it.

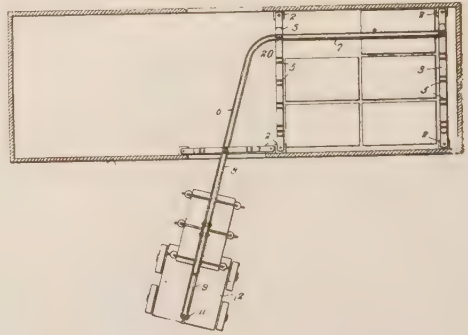
1,406,655. PROTECTING DEVICE FOR AUTOMOBILE TIRES. WILLIAM K. KIGHT, Dexter, Mo., assignor of one-sixth to William H. Jinks and one-sixth to Leo B. Jessup, Brookland, Ark. Filed Oct. 8, 1919. Serial No. 329,197. 3 Claims. (Cl. 152—33.)



3. A tire protecting device comprising a metallic ring arcuate in transverse section, a flexible tread carried by

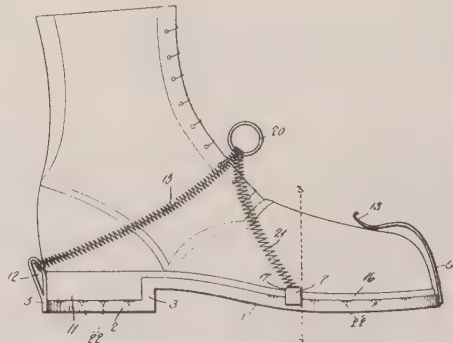
said ring, said ring having an inner and outer circumferential series of ribs arranged in zig-zag formation, the ribs of one of said series being longitudinally offset with relation to those of the other series.

1,406,656. SHEET-LOADING DEVICE. RAYMOND A. KNIGHT, Canton, Ohio. Filed Oct. 23, 1920. Serial No. 419,069. 4 Claims. (Cl. 214—38.)



1. In combination with a freight car, an overhead track arranged to be suspended within the car and provided with an angular portion extending through the car door, a loading truck, means upon said truck for supporting the outer extremity of said angular portion of the track, and a carrier mounted upon said track and arranged to travel between said truck and the inner end of the track.

1,406,657. DETACHABLE SOLE FOR SHOES. PROKOP G. KNIZEK, Chehalis, Wash. Filed Mar. 19, 1921. Serial No. 453,682. 5 Claims. (Cl. 36—72.)

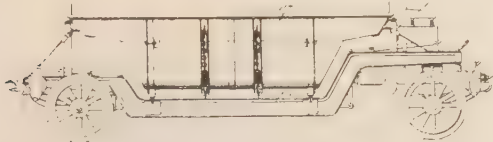


1. A detachable sole for shoes, consisting in a sole of rubber composition, a heel-clip arranged to yieldingly engage the heel of a shoe, an endless wire coil-spring band arranged to extend from said heel-clip around the shoe, a spring-clip on each side of the sole arranged to grasp the shoe-sole, a wire coil-spring band connected at its opposite ends to said side clips, a ring through which both said spring-bands extend, and a toe-clip.

1,406,658. REVERSIBLE TRAILER. ALBERT P. LEE, Chicago, Ill., assignor to Lee Trailer & Body Co., Chicago, Ill. Filed Mar. 10, 1920. Serial No. 364,680. 5 Claims. (Cl. 280—33.5.)

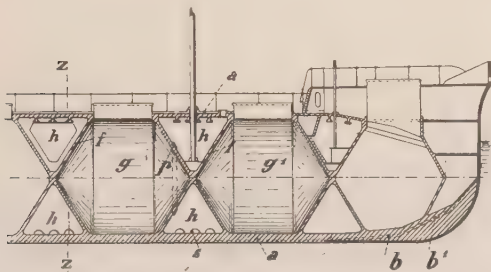
1. A vehicle of the character described comprising a vehicle frame work, a truck provided with a pair of wheels at one extremity of said framework, said truck having coupling means for securing another vehicle thereto, a fifth wheel member on the opposite extremity of said framework, a demountable truck provided with

a fifth wheel member adapted to co-operate with the fifth wheel member on said framework, means on said framework and said truck connecting said fifth wheel elements, means on said demountable truck for retaining said connecting means in holding position, means on said



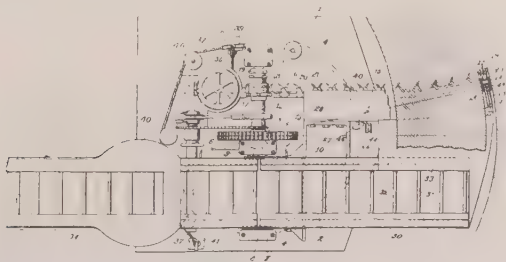
framework for steering said pair of wheels, and means on said demountable truck for steering the same, whereby said vehicle may be steered by draft means from either end thereof and by hand from one end thereof, or may steer a trailing vehicle coupled thereto.

1,406,659. SHIP. FERDINAND FRANÇOIS LEPARMENTIER, Paris, France. Filed Aug. 18, 1919. Serial No. 318,243. 5 Claims. (Cl. 114—65.)



1. A ship having its interior subdivided into compartments by conical bulkheads, having apices connected to constitute triangular trusses for stiffening the ship.

1,406,660. COAL-MINING APPARATUS. NILS D. LEVIN, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Apr. 27, 1918, Serial No. 231,182. Renewed May 10, 1921. Serial No. 468,306. 9 Claims. (Cl. 262—28.)

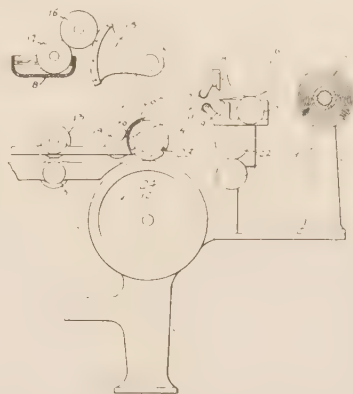


9. In a mining machine, the combination with a cutter arm adapted to be moved laterally and having its advancing edge curved to advance its extremity ahead of its base, and a cutter chain adapted to travel on the edges of said cutter arm to engage the material to be mined to cut it.

1,406,661. PATCH-APPLYING MECHANISM. HARRY LEVINE, Brooklyn, N. Y., assignor, by direct and mesne assignments, of one-half to United States Envelope Company, Springfield, Mass., a Corporation of Maine, and one-half to Samuel Cupples Envelope Company, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 19, 1917. Serial No. 202,797. 9 Claims. (Cl. 93—61.)

1. In a machine of the class described, the combination with means for supporting a supply of patch material, a source of gum supply, a patch severing device and a rotating platen cooperating with a rotary blank supporting

means, of a rotating member adapted to receive gum from said source and to apply it to a severed patch while con-

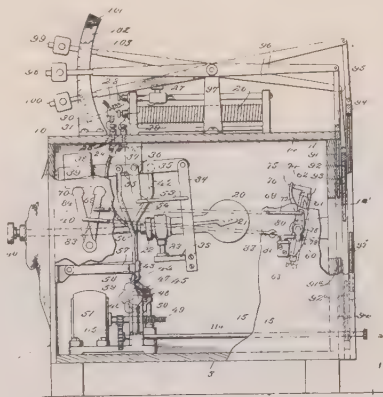


veying it from the severing device to said platen, the said patch being frictionally held between said gumming member and said platen.

1,406,662. METHOD OF PRODUCING ALKALI-METAL CYANATES. OTTO LIEBKNECHT, Frankfort-on-the-Main, Germany. Filed May 23, 1919. Serial No. 299,312. 26 Claims. (Cl. 23—13.)

1. Method for producing alkali metal cyanate by bringing into reaction, in presence of water, alkali metal cyanid with alkali metal peroxid.

1,406,663. LIGHT-PROJECTION DISPLAY. RICHARD LOVSTROM, New York, N. Y. Filed Mar. 19, 1920. Serial No. 367,147. 16 Claims. (Cl. 46—70.)



1. Light projection apparatus for displaying upon a curtain progressive effects of pattern and motion, the same comprising an incandescent filament, a lens between the filament and curtain, a holder for supporting the said filament, fittings for said holder permitting it to move toward and from the lens, and also laterally, during projection, mechanical connections for methodically moving said holder and filament toward and from the lens during projection, and other mechanical connections for methodically moving said holder and filament laterally during projection.

1,406,664. DEMOUNTABLE TIRE RIM. ALFRED HERMAN LUNDSTROM, Rockford, Ill. Filed Mar. 12, 1920. Serial No. 365,192. 3 Claims. (Cl. 301—35.)

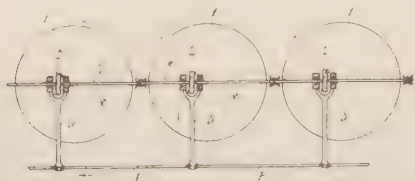
1. A tire rim of the character described comprising two sections parted circumferentially between the side flanges, and a plurality of locking means detachably connecting said sections at spaced points, each means comprising an elongated resilient plate slidably supported at each end on

one of said sections with capacity for flexing at its medial portion, a lug carried by said plate at its medial portion,



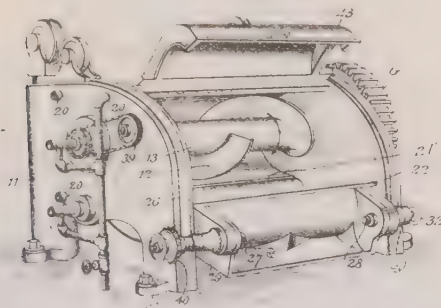
and means on the other rim section for the reception of said lug.

1,406,665. FRICTION GEARING. FREDRIK LJUNGSTRÖM, Brevik, Lidingön, Sweden, assignor to Aktiebolaget Ljungström Angturbin, Stockholm, Sweden, a Corporation. Filed Jan. 14, 1920. Serial No. 351,329. 1 Claim. (Cl. 74—26.)



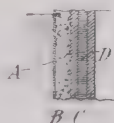
In a friction gearing, the combination of a shaft, any number of rotary friction members placed near the shaft, any number of friction rollers supported by said shaft and adapted to be adjusted and moved in relation to said friction members, and a swingable bearing for the shaft placed near each friction roller, the shaft being so connected with the rollers and the bearings as to be bent into wave shape upon the swinging of the bearings.

1,406,666. MIXING AND KNEADING MACHINE AND PROCESS. ALFRED P. LOHMANN, Akron, Ohio. Filed Aug. 16, 1919. Serial No. 317,871. 12 Claims. (Cl. 18—2.)



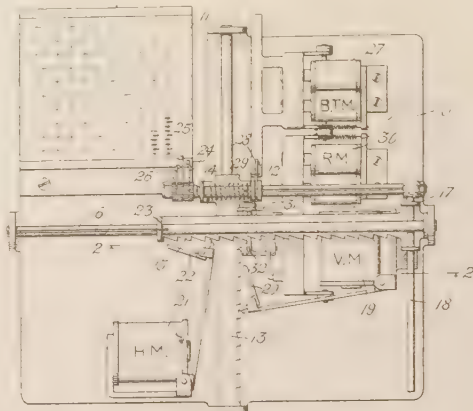
1. The method of mixing and kneading materials which consists in propelling the materials continually and alternately from end to end of a confining space, and simultaneously imparting to the materials movement about the periphery of said space.

1,406,667. RESERVOIR FOR LIQUID FUEL. ALLAN MACBETH, Paris, France, assignor to Sté The Dunlop Rubber Cy-Limited, Paris, Seine, France. Filed Nov. 5, 1918. Serial No. 261,309. 10 Claims. (Cl. 154—46.)



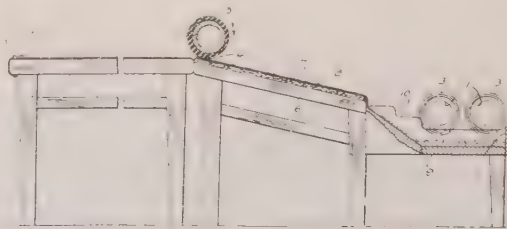
5. A reservoir for liquid fuel comprising a wall, a layer of rubber sponge, and a layer of rubber.

1,406,668. TELEPHONE-EXCHANGE SYSTEM. JAMES L. MCQUARRIE, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 7, 1919. Serial No. 315,826. 11 Claims. (Cl. 179—18.)



1. In a telephone exchange system, a selectively operable switch, a terminal bank therefor, a stationary contact on said bank, movable contacts normally out of engagement with said bank, means for producing two sets of numerical impulses, two actuating means for said movable contacts, one responsive to one and the other to another set of impulses, means including said two actuating means for imparting a motion to said switch relative to the other set of contacts along a line which is the component of the movements produced by said two sets of impulses, and means operable at the termination of said motion to move the movable contacts into engagement with said stationary contact.

1,406,669. METHOD FOR MAKING INNER TUBES AND THE LIKE. DONAL C. MCROBERTS, Indianapolis, Ind., assignor to G & J Tire Company, a Corporation of Indiana. Filed June 8, 1921. Serial No. 475,854. 4 Claims. (Cl. 18—56.)

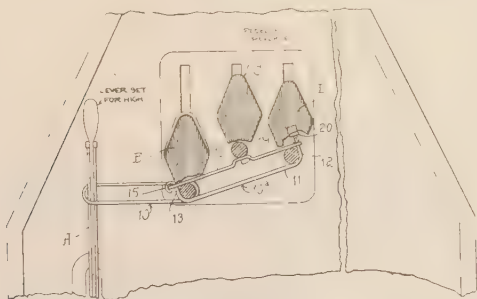


1. A method of making tubular articles of vulcanizable rubber composition which includes, forming the plastic tubular on a mandrel, coating the exposed surface of the plastic tube with mica, wrapping a fabric strip under tension spirally about the coated plastic tube and in contact therewith, setting the article thus formed and confined, and finally removing the spiral convolutions of strip fabric.

1,406,670. AUTOMOBILE LOCKING DEVICE. ANDERSON W. McWILLIAMS, Oklahoma, Okla. Filed July 9, 1917. Serial No. 179,530. 2 Claims. (Cl. 70—126.)

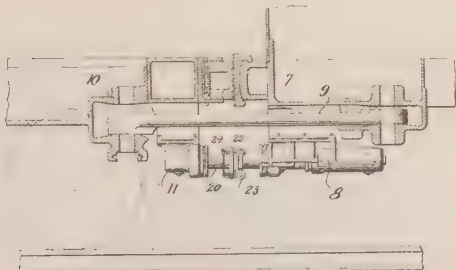
1. Means for locking the pedals of automobiles comprising a shackle composed of two bars, one of the bars being angularly bent at its ends, the other bar being approximately straight, the straight bar being hingedly connected to one of the angularly bent ends of the first named bar, the opposite end of the straight bar being formed with a perforation for the passage of the corresponding angular end, and means engaging this last named angular end for locking the bars to each other, the middle portion of the

second named bar being outwardly deflected across its entire width to form an abutment engageable against a re-



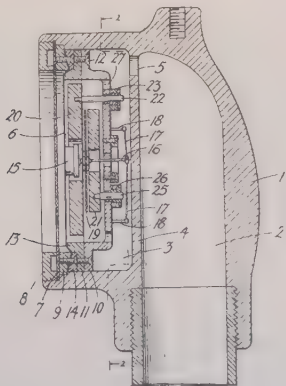
versing pedal when the shackle embraces the clutch pedal and the brake pedal.

1,406,671. FLEXIBLE PIPE COUPLING. FREDERICK W. MARTIN, Manhattan Beach, N. Y., assignor to Franklin Railway Supply Company, a Corporation of Delaware. Filed Nov. 5, 1919. Serial No. 335,842. 5 Claims. (Cl. 285—11.)



1. A flexible joint connection comprising in combination, a tubular connecting member, a flexible bearing at each end of said tubular member, and a socket casting at each end of said tubular member, one of said socket castings carrying a projection which is telescopically movable with relation to its housing and serves as supporting means for the main or body portion, and a support casting with which said support means has longitudinally movable relation.

1,406,672. VIBRATION DETECTOR. JOSEPH P. MAXFIELD, Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 24, 1919. Serial No. 306,401. 4 Claims. (Cl. 179—122.)



1. A vibration detector comprising a vibration-responsive body, a current-varying device supported thereby compris-

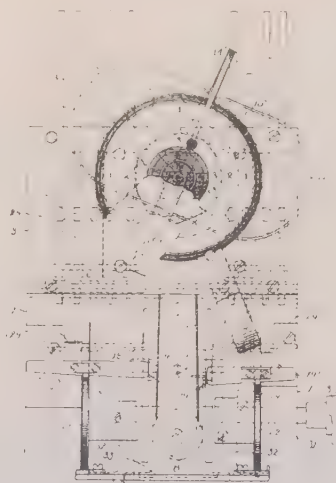
ing a part movable relatively to the responsive body, a three-point suspension for restricting the movement of such relatively movable member to the direction of motion of the responsive body, and means independent of the inertia of the relatively movable part to damp the movement of such part from both sides thereof.

1,406,673. SHOE UPPER AND THE LIKE, AND THE ART OF FINISHING THE EDGES THEREOF. FRANK W. MERRICK, Boston, Mass. Filed Oct. 6, 1921. Serial No. 505,686. 2 Claims. (Cl. 69—21.)



1. A shoe-upper or the like combination of two or more pieces of soft flexible leather placed together surface to surface, having a laminated margin composed of a plurality of thicknesses of leather united by a line of stitches close alongside and parallel with the edges thereof, and in a treated and burnished state, with the edges of said thicknesses knit or welded together by the compression and burnishing action into one undivided or integral finished edge.

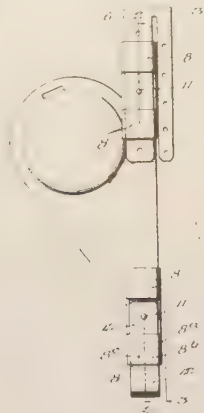
1,406,674. TARGET APPARATUS. ARNOLD MICHOD, Yverdon, Switzerland, assignor to Firm: Société Cibles Automatiques Michoud S. A., Neuchâtel, Switzerland. Filed June 10, 1919. Serial No. 303,225. 6 Claims. (Cl. 177—345.)



3. A target apparatus comprising an object target with the face thereof divided into a plurality of sections, an indicator target having in the face thereof a plurality of sections corresponding to the sections of the face of the object target, a revoluble indicator associated with the indicator target, a radially movable pointer carried by the revoluble indicator, electrically controlled devices for moving the said revoluble indicator to predetermined positions, electrically controlled devices for moving the said radially movable pointer to predetermined positions, and means actuated by striking any section of the object target for simultaneously closing electric circuits to predetermine devices for moving the said radially movable

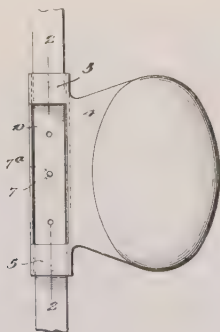
pointer and the revoluble indicator to the section of the indicator target corresponding to the section of the object target which was struck.

1,406,675. BLINDER. ZACHARY T. MILLER, Bliss, Okla. Filed Apr. 13, 1921. Serial No. 460,879. 2 Claims. (Cl. 54—10.)



1. A blinder of bendable sheet material having strap-guides formed of integral ears looped back over the material, an intermediate integral ear between two of the guides bent back against the material, and a strap-engaging member extending from said intermediate ear.

1,406,676. BLINDER. ZACHARY T. MILLER, Bliss, Okla. Filed Apr. 14, 1921. Serial No. 461,215. 2 Claims. (Cl. 54—10.)



1. An article of the kind described formed of a single piece of bendable sheet material and comprising a blinder having at its side a strap-guideway, said guideway being afforded by an elongated portion of the material constituting its bottom, side flanges, and end cross members connecting the flanges, said guideway being open between said cross members, and a strap-engaging member on said bottom between said cross members.

1,406,677. MEANS FOR ATTACHING HOSE SUPPORTERS TO CORSETS. IVAN LA MONTAGNE, Springfield, Mass. Filed Apr. 1, 1921. Serial No. 457,663. 4 Claims. (Cl. 241—1.)

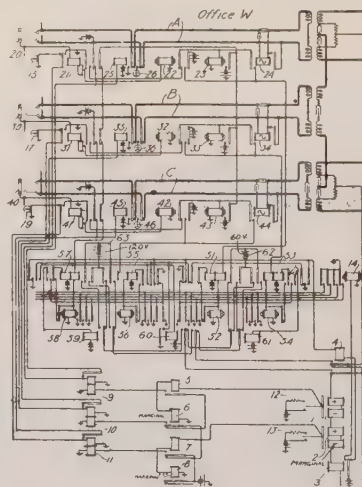
1. A corset structure comprising a body part, a plurality of strips secured to the lower edge of said part, hose supporter members having their upper ends located

between one of the strips and the body part of the corset, and means for attaching said members to the strips and



body part comprising rivets having a plurality of eyelets, as described.

1,406,678. TELEPHONE SYSTEM. LOUIS A. MORTIMER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 2, 1920. Serial No. 362,747. 11 Claims. (Cl. 179—43.)

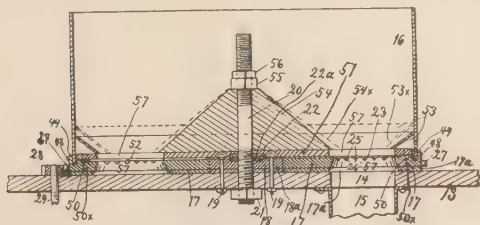


1. In a telephone system, two distant offices, an intermediate office, a plurality of transmission lines interconnecting said offices, a signaling circuit included in certain of said lines, means for transmitting a signaling impulse for any one of said transmission lines over said signaling circuit and the lines included therewith when a call is initiated on one of said transmission lines, and means at said intermediate office operable when simultaneous calls are initiated for storing one of the impulses until the other has been transmitted through said intermediate office.

1,406,679. POTATO CUTTER AND PLANTER. JOHN E. PAULSON, Minneapolis, Minn. Filed Sept. 27, 1919. Serial No. 327,411. 4 Claims. (Cl. 146—11.)

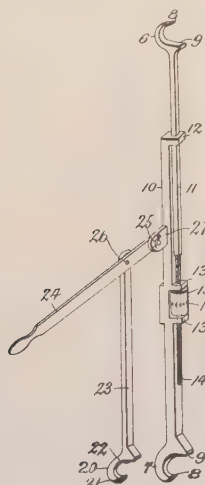
1. In a potato planting machine, of the type having a supported frame, and a potato dropping tube depending from said frame, a flat base fixed on the frame and having an aperture leading into the tube, a cylindrical hopper mounted to rotate upon the base and having its bottom

skeletoned into radial arms for moving potatoes into the dropping tube, a cutter blade spaced above and fixed to the base radially of the hopper across the top of the tube;



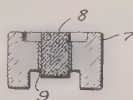
said bottom composed of a lower main member moving below the blade and an upper member moving close above the blade, and means for rotating said hopper and its bottom.

1,406,680. TOOL FOR OPERATING SPLIT WHEEL RIMS. JAMES S. PORTER, Buffalo, N. Y. Filed June 26, 1918. Serial No. 242,017. 2 Claims. (Cl. 157-1.)



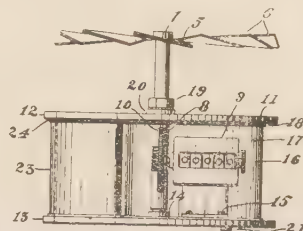
1. A tool for operating split wheel rims comprising a normally rigid lengthwise adjustable bar adapted to extend diametrically across the rim and provided at its opposite ends with two coupling devices one of which is adapted to engage with the rim adjacent to one side of its split and the other with the diametrically opposite part of the rim to either push or pull, and rim shifting means mounted on said bar and adapted to engage the rim adjacent to the other side of its split and movable in a direction substantially parallel with said bar.

1,406,681. PROTECTIVE DEVICE. ROBERT E. OTTMAN, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 29, 1920. Serial No. 420,464. 3 Claims. (Cl. 175-30.)



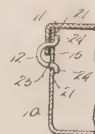
1. A method of assembling a protector block which consists in cementing a conducting electrode in a non-conducting block, heating the block until the cementing material becomes softened, accurately depressing the electrode a predetermined distance and allowing the cementing material to cool.

1,406,682. METER. DAVID H. RATHBONE, Los Angeles, Calif. Filed Dec. 30, 1920. Serial No. 434,038. 4 Claims. (Cl. 73-37.)



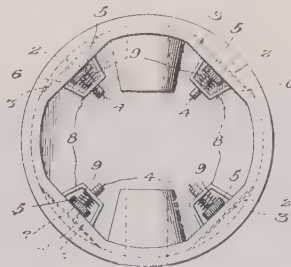
1. Means for locating subterranean water courses in well shafts, said means comprising a suction pipe adapted to conduct water to the surface, and a plurality of flow meters spaced apart in said suction pipe, said suction pipe formed with openings disposed between the respective meters.

1,406,683. ELECTRIC CUT-OUT BOX. JOSEPH C. REGAN, New Britain, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed Apr. 10, 1919. Serial No. 288,963. 2 Claims. (Cl. 220-31.)



1. In a construction of the character described, a rectangular box body member and a flanged cover therefor, one of said members having a pair of slots adjacent the edge of one of its sides and the other member having an integral pintle near one edge and adjacent the slots in the member aforesaid, a substantially U-shaped hinge member having one end narrower than the main body of the U-shaped member and providing abrupt shoulders at the juncture of the main body and narrow end, the ends of said hinge member being passed through the pair of slots in one of the members and bent over to secure the hinge member in place, with the abrupt shoulders abutting the side adjacent one of the slots.

1,406,684. PISTON. ALFRED H. RICHARDS and NORMAN E. RICHARDS, Manville, R. I. Filed July 17, 1920. Serial No. 397,137. 4 Claims. (Cl. 74-108.)



1. A piston having ring grooves and rings therein, inset walls at the bottom of the grooves, segmental heads slidable in the grooves and having threaded shanks, yokes open on their sides and extending inwardly from the walls, the yoke ends and the walls having openings to slidably receive the shanks, nuts threaded on the shanks and bearing against the inner faces of the walls, coil springs on the shanks abutting the nuts and said yoke

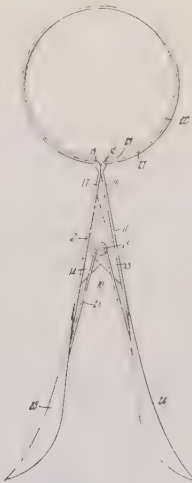
ends, the nuts having teeth on their peripheries spaced from the adjacent sides of the yokes, the yoke sides being formed to engage a wrench to hold the latter with the teeth thereof in mesh with the nut teeth.

1,406,685. CURTAIN POLE. HENRY R. ROHR, Buckhannon, W. Va. Filed Apr. 10, 1919. Serial No. 288,965. 5 Claims. (Cl. 156—19.)



3. In a curtain pole, the combination of a tubular body having open ends and provided with a longitudinally extending opening, the edges of the body at said opening being bent inwardly upon themselves to form flanges, supporting saddles adapted to be placed within and at the ends of the tubular body and having their edges bent back upon themselves to slidably interengage the flanges thereof, a curtain carrying rod inserted within said tubular body and having its ends resting upon the supporting saddles that the curtain may hang upon its length between the saddles, and caps closing the ends of said tubular body.

1,406,686. PISTON-RING TOOL. ELMER J. ROGERS, Quincy, Mass. Filed Feb. 24, 1920. Serial No. 361,057. 2 Claims. (Cl. 29—86.4.)



1. A piston ring tool having, in combination, a pair of levers pivoted together, one free end of each of said levers terminating in a pair of prongs, said prongs being provided with transversely extending grooves on their outer edges and located on opposite sides of a slot extending transversely of said grooves and being adapted to engage and hold one free end of a split piston ring.

1,406,687. INNER-TUBE PROTECTOR FOR CLINCHER RIMS. MILTON W. ROGERS, Live Oak, Fla. Filed July 16, 1921. Serial No. 485,260. 1 Claim. (Cl. 152—20.)

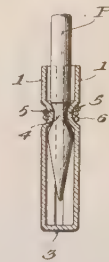
The combination with a wheel and a tire engaged therewith in engagement with the tire retaining flanges of the rim, of a protecting expansible single ply endless band fitting in surrounding relation upon the outer surface of the rim, thereby providing an uninterrupted even sur-

face, with which the inner tube engages, to protect the tube from rough places on the rim, said band having opposite abrupt abutment edges with which the opposite margins or edges of the tire abut, said band being of a width to engage between said margins or edges of the flanges of



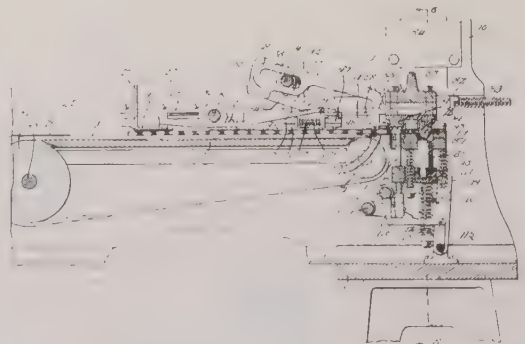
the tire, whereby said abrupt abutment edges of the band may hold the tire clincher flanges in engagement with the tire engaging clincher flanges of the rim, and thereby preventing inward collapsing of the opposite sides of the tire.

1,406,688. JEWELER'S CLUTCH. LEVI J. ROY, Providence, R. I. Filed Oct. 11, 1921. Serial No. 507,125. 2 Claims. (Cl. 24—155.)



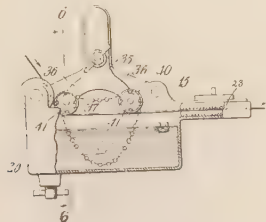
1. In a pin guard or protector, a member having a pair of opposed curved jaws, said jaws having aligned concavo-convex parts adjacent their free ends, the convex portions forming clamping shoulders to engage the pin, and the concave portions forming a spring seat, and a coil spring encircling the jaws and arranged in the said concave portions so as to hold the jaws together and against spreading movement, the spring having its coils wound around the jaws so as to receive the latter in the coils and having its ends free of connection with each other.

1,406,689. CORK-INSERT MACHINE. JOSEPH H. SARIS, Beloit, Wis. Filed July 18, 1919. Serial No. 311,891. 33 Claims. (Cl. 154—1.)



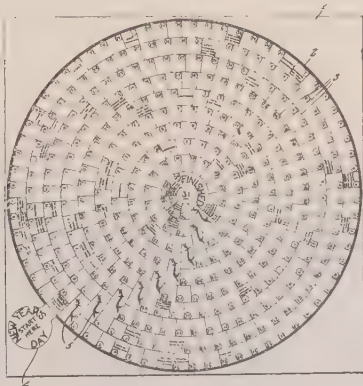
1. In a machine for inserting cork disks into the holes of a perforated lining strip, mechanism for positioning a strip and a row of cork disks in juxtaposition on a bed, and means for lifting the row of corks, carrying them into vertical alignment with the holes in the strip, and pressing them into said holes.

1,406,690. FILM CLEANING AND POLISHING APPARATUS. EBERHARD SCHNEIDER, New York, N. Y.; Stanislaw Schneider administratrix of said Eberhard Schneider, deceased. Filed Mar. 23, 1918. Serial No. 224,158. 4 Claims. (Cl. 15—100.)



1. In apparatus of the character set forth: a film, and film advancing means; a cleansing tank through which said film is arranged to pass; a bracket mounted thereon, and suitable rollers carried thereby to engage the film; and an endless chain dipping into the liquid of said tank and extending over grooves at the inner end of the rollers carried by said bracket, said rollers having longitudinal, peripheral grooves, and a suitable covering over the surfaces of said rollers and grooves to receive the moisture passing therethrough.

1,406,691. GAME. RHODES SEWELL, Banning, Ga. Filed Mar. 26, 1921. Serial No. 455,753. 2 Claims. (Cl. 46—27.)

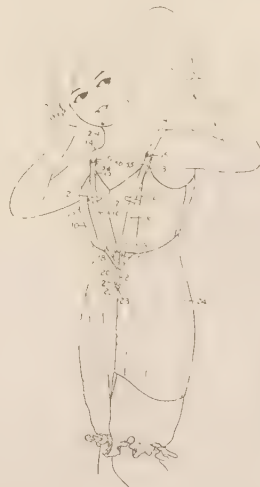


1. In a game a game board having a playing field made up of concentric series of spaces, there being an indicator designated on the field between one space of each series and the next succeeding space in the adjoining series, said spaces being designated from the first space in the outer series to the last space in the inner series to indicate successively the days of the year, there being designated in certain of the spaces penalties or rewards appropriate to the season of the year to which said spaces belong.

1,406,692. ADJUSTABLE BUST-CONFINING GARMENT. VIOLA A. SMITH, New York, N. Y. Filed Aug. 28, 1920. Serial No. 406,691. 2 Claims. (Cl. 2—73.)

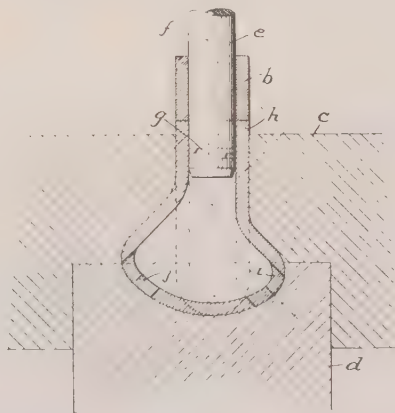
1. As an article of manufacture, an adjustable bust confining garment, comprising a sleeveless close fitting waist of unbroken continuity and having bust portions, the waist being adapted to be opened and closed at the back, shoulder straps attached to the back and extending over the shoulders to the front, loops held on the front ends of the said shoulder straps, tightening straps attached to the front of the waist above the bust portions and slidably engaging the said loops to allow of drawing the straps

tight and exerting a rearward pull on the said bust portions to flatten the latter and thereby distribute the flesh



of the bust in a rearward direction, a shield at the front lower end of the said waist, and means connecting the lower ends of the said tightening straps to the said shield.

1,406,693. PROCESS OF MANUFACTURING PIPE FITTINGS AND ANALOGOUS ARTICLES. KARL A. SODERSTROM, Philadelphia, Pa. Filed Mar. 26, 1920. Serial No. 369,144. 8 Claims. (Cl. 29—157.)

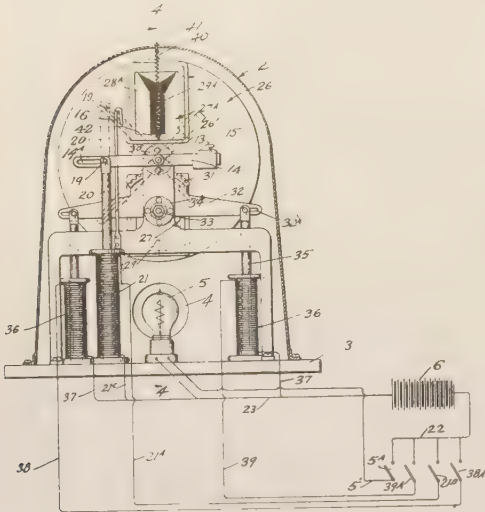


1. The process of manufacturing pipe fittings and similar articles which comprises inserting an open-ended tubular blank into an open ended cavity having an internal conformation corresponding to the external conformation of the blank or article to be formed, stopping the open end of the blank, and bodily displacing the blank in a direction toward the bottom of the cavity and expanding it against the walls of the cavity by applying to the blank an internal expanding pressure and simultaneously drawing the blank into the cavity through the open end thereof during the shaping of the article.

1,406,694. AUTO SIGNAL. ALBERT M. STANLEY, Palms, Calif. Filed Oct. 27, 1919. Serial No. 333,636. 5 Claims. (Cl. 177—337.)

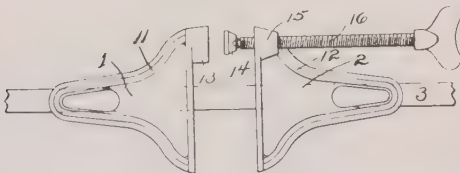
2. A direction indicator for vehicles comprising a casing provided in one of its walls with quaternate diametrically

opposed windows, a shutter pivotally mounted within the casing immediately to the rear of said windows and having two diametrically opposed vanes of sufficient size to mask said windows, a direction indicator pivotally mounted back



of said shutter having signal portions adapted to register with the windows in the casing, and electro-magnetic means to selectively actuate said shutter and said indicator independently of each other.

1,406,695. ADJUSTABLE SPRING CLAMP. JAMES R. STAUDT, Fort Worth, Tex. Filed Aug. 5, 1919. Serial No. 315,459. 1 Claim. (Cl. 144—303.)

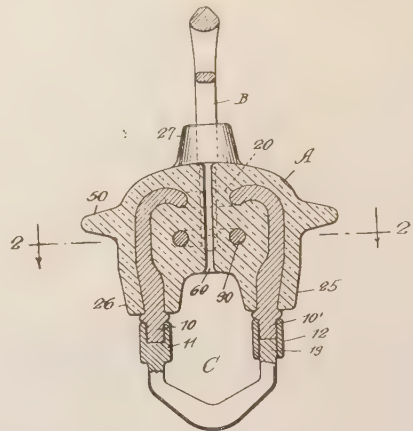


A pair of clamping jaws having opposing faces and thrust means carried by one face to press work against the other, each jaw having a pair of lugs projecting laterally or transversely of the clamping faces and spaced from each other both parallel to and at right angles to the clamping plane, so as to embrace or bind upon a common body engaged between both pairs of lugs.

1,406,696. SELF-COOLING STRAIN INSULATOR. LOUIS STEINBERGER, Brooklyn, N. Y. Filed Oct. 12, 1918. Serial No. 257,864. 6 Claims. (Cl. 173—366.)

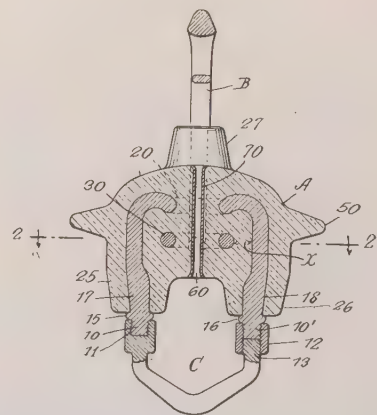
6. In an insulator, a body of insulating material, interlocking strain members assembled therein, the central portions of the strain members situated opposite to each

other, the said central portions being ring shaped, and a ventilating conduit passing through the body of the insu-



lator and also through the ring portions of the strain members.

1,406,697. SELF-COOLING STRAIN INSULATOR. LOUIS STEINBERGER, Brooklyn, N. Y. Filed Dec. 10, 1918. Serial No. 266,050. 8 Claims. (Cl. 173—366.)

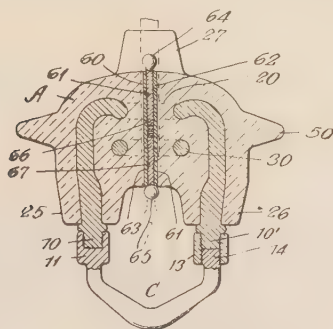


5. In an insulator, a body of insulating material, interlocking strain members molded therein, the central portions of the strain members situated opposite each other, the said central portions being ring shaped and a metal lined ventilating conduit passing through the body of the insulator and also through the ring portions of the strain members.

1,406,698. STRAIN INSULATOR. LOUIS STEINBERGER, Brooklyn, N. Y. Filed Dec. 10, 1918. Serial No. 266,052. 9 Claims. (Cl. 173—366.)

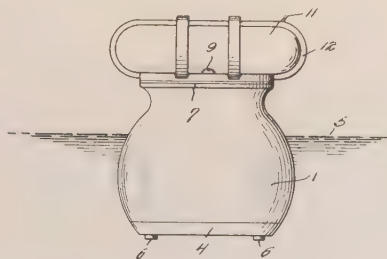
6. An insulator comprising a body of insulating material, interlocking strain members provided with centrally disposed portions molded therein, the central portions of the strain members situated opposite to each other, the said central portions being ring shaped, and an electrical conductor passing through the body of the insulator and also through the ring portions of the strain members, said

conductor consisting of a metallic sleeve molded to the insulator body, provided with screw threads on the inner



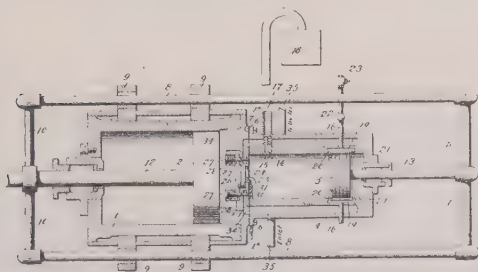
wall thereof, screw threaded plugs provided with globular shaped ends adjustably secured to the centrally arranged sleeve.

1,406,699. BUOYANT SOAP HOLDER ALONZO L. STEWART, Rushville, Ind. Filed Oct. 7, 1921. Serial No. 505,985. 1 Claim. (Cl. 45—28.)



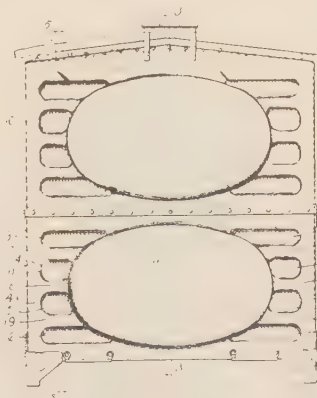
A buoyant soap holder comprising a hollow body relatively heavy at its lower end and equipped on its upper portion with means to retain a cake of soap; the said soap retaining means comprising a barbed plate with grooves in the upper side thereof, and elastic bands secured in the said grooves and disposed at right angles to each other.

1,406,700. STEAM ENGINE. JOHN LINCOLN TATE, Chester, Pa. Filed Mar. 28, 1918. Serial No. 225,322. 19 Claims. (Cl. 60—46.)



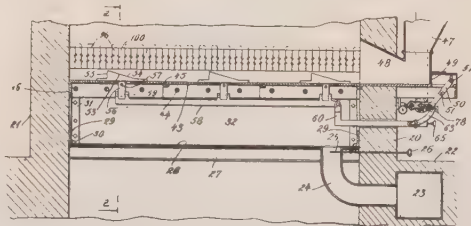
1. The combination with a steam engine including a cylinder and piston, of means for furnishing a medium for adding heat to the steam in the cylinder of the engine, a connection between said means and the cylinder of the engine, and a valve controlling said connection opening automatically to permit said medium to enter the cylinder when the pressure of the charge of steam in the cylinder falls below a predetermined degree.

1,406,701. SHEET-METAL CAR END. ELLIS W. TEST, Michigan City, Ind. Filed Aug. 8, 1921. Serial No. 490,576. 5 Claims. (Cl. 105—410.)



1. A car end comprising a sheet metal plate having flat marginal portions and a central outward bulge, and a plurality of longitudinally disposed inwardly extending corrugations in its flat portions and merging into the bulge.

1,406,702. STOKER. GEORGE HOWELL THACHER, Jr., Albany, N. Y., assignor to Vincent Gilson Engineering Co., Inc., a Corporation of New Jersey. Filed July 16, 1917. Serial No. 180,855. 8 Claims. (Cl. 110—47.)



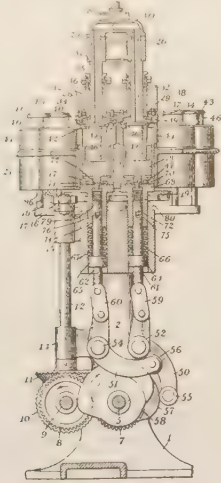
1. A stoking unit for furnaces, comprising a fuel retort, means for feeding fuel into the retort, means slidably mounted within the retort for conveying fuel through the retort, means for actuating the feeding means and the conveying means, said actuating means being constructed to permit independent control of the movements of the feeding means and the conveying means, and combustion grates on each side of the retort.

6. In stoking unit for furnaces, the combination of a supporting bar extending through the unit, a series of alternate fixed and movable combustion grates mounted upon the upper edge of the supporting bar, each of said grates being formed with a central web and a plurality of projections extending therefrom adjacent the upper and inner edges of the web, the supporting bars being formed with projecting lugs adapted to fit between the webs of adjacent grates, means attached to the fixed grates and coacting with the lugs on the supporting bar to retain the fixed grates in place upon the bar, and means associated with the movable grates of the series for raising and lowering the same.

1,406,703. DUPLEX SEALING MACHINE. HARRY E. TOWNSEND, Brooklyn, N. Y., assignor to Anchor Cap & Closure Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Feb. 21, 1918. Serial No. 218,469. 19 Claims. (Cl. 226—82.)

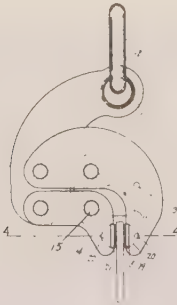
1. In a sealing machine, the combination of a rotary carrier, said carrier being provided with pockets arranged in pairs for the reception of packages, a sealing device effective simultaneously upon packages in a pair of pockets.

positioning mechanisms arranged for association with pockets ahead of and behind the sealing device and effective to move packages in a pair of pockets simultaneously,



and means cooperating with the carrier for presenting the respective pairs of pockets to the operation of the sealing device and the positioning mechanisms successively.

1,406,704. GRAPPLE. ROGER H. VARICLE, Los Angeles, Calif. Filed July 21, 1920. Serial No. 397,922. 3 Claims. (Cl. 294—106.)



1. A grapple comprising a carrying member, a pair of laterally and downwardly directed jaw members movably connected to one end of the carrying member and in a vertical line beneath the other end thereof when carrying a load, and a member movably connecting the jaw members whereby movement of either jaw in either direction will result in the simultaneous and parallel movement of the other jaw, with respect to the jaw moved.

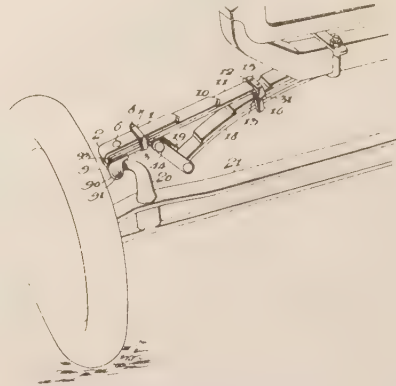
1,406,705. AMUSEMENT DEVICE. JESSE C. WELCH, Tacoma, Wash. Filed Mar. 9, 1920. Serial No. 364,416. 14 Claims. (Cl. 46—27.)



1. An amusement device of the character described, comprising a circular central platform, an annular platform mounted to revolve in a horizontal plane about the said central platform, a plurality of towers erected on the said annular platform to move therewith, a plurality of arms extended radially from the upper ends of said towers,

carriages swingingly suspended from the said arms to adjacent the central platform, means for revolving the annular platform and means operable by the revolving of said platform for revolving the said arms at the upper ends of the towers.

1,406,706. SPRING SHOCK ABSORBER. CHARLES A. WIBERG and VICTOR B. WIBERG, Duluth, Minn., assignors to Wiberg Manufacturing Company, a Corporation of Minnesota. Filed Feb. 7, 1920. Serial No. 356,824. 5 Claims. (Cl. 267—19.)



2. In a shock absorber of the character described, the combination with the main spring and a support on the vehicle; of an auxiliary or suspension spring which includes a loop-shaped member that fits over the adjacent outer ends, top and bottom portions of the other members of the said auxiliary spring, the inner end of the said auxiliary spring being adapted for slidably engaging with the top portion of the main spring, means rockably connecting the outer end of the auxiliary spring with the afore-said support on the vehicle, and link connections that join with the outer end of the main spring and with the auxiliary spring adjacent the outer or rockably mounted end thereof, the means for rockably connecting the auxiliary spring with the support on the vehicle consisting of a bracket having pendent bifurcated portions, an inwardly extended horizontal seat portion having upturned flanges for engaging the opposite sides of the adjacent auxiliary spring members and a clamping bolt that takes through the said adjacent spring members and the seat of the bracket.

1,406,707. PAPER BOX. FRANK J. WIESMAN, Monroe, Mich., assignor to The Wels Fibre Container Corporation, Monroe, Mich., a Corporation of South Dakota. Filed Dec. 2, 1918. Serial No. 264,912. 9 Claims. (Cl. 229—45.)



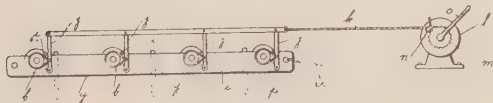
1. In a box, a double wall having an opening in the inner thickness thereof, so that said opening is covered, and a bottom flap having a flexible tongue adapted for insertion between the two thicknesses and through said covered opening into position to be depressed by the contents of the box.

1,406,708. COMBINED SAFETY CATCH AND POINT PROTECTOR FOR BROOCH PINS. WILLIAM WILLIAMS, Toronto, Ontario, Canada. Filed June 9, 1921. Serial No. 476,255. 6 Claims. (Cl. 24—136.)



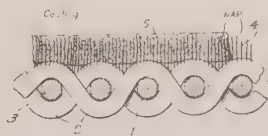
3. The combination with a brooch and the pin thereof, of a safety catch suitably secured to said brooch, said safety catch comprising a central portion having the free ends thereof bent over to form loops, the distance between the adjacent sides of the loops being less than the diameter of the pin and a pin point protecting portion formed integrally with the central portion and adapted to be bent at right angles thereto for covering the pin point.

1,406,709. BRAKING DEVICE FOR PORTABLE LOGGING ROADS. ISAAC A. WILSON, Lakebay, Wash. Filed Jan. 17, 1920. Serial No. 352,124. 1 Claim. (Cl. 193—55.)



In a log roadway, spaced skids, rollers mounted between said skids, said rollers having grooves, brake straps within said grooves, means connecting said straps, a cable attached to the connecting means, a drum for winding said cable and a ratchet and pawl attached to the drum to check backward rotation of the same.

1,406,710. COATED FABRIC AND THE PROCESS OF MAKING SAME. JOHN A. WILSON, Elizabeth, N. J., assignor to The Duratex Company, Newark, N. J., a Corporation of New Jersey. Filed Jan. 12, 1920. Serial No. 350,981. 23 Claims. (Cl. 91—6S.)



1. A coated fabric comprising, a fabric base and a coating, said base having a nap composed of threads or fibers fixed to said base and projecting a short, substantially uniform, distance and embedded in said coating.

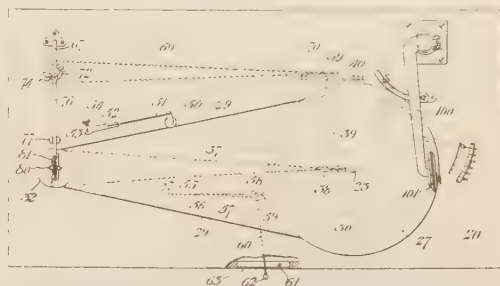
2. A coated fabric comprising a fabric base having a shortened nap imbedded in a coating of suitable composition applied thereto.

16. The process of making coated fabrics comprising applying a substantially continuous coating to the sheared nap of a fabric.

1,406,711. PHONOGRAPH. LORENZ R. WOLFF, Los Angeles, Calif. Filed Apr. 19, 1919. Serial No. 291,380. 9 Claims. (Cl. 188—187.)

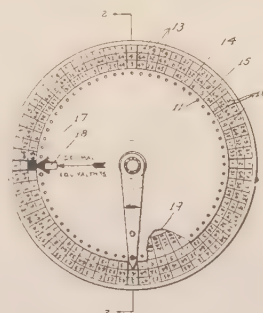
1. A motor driven phonograph comprising a rotatable table for supporting a disc record, a plurality of pulleys,

belts connecting said pulleys with said table and the motor, governing means connected to one pulley, frictional



engagement means on another pulley and means for operating said frictional means by said governing means.

1,406,712. ADDING AND SUBTRACTING DEVICE. ALBERT WOLPERT, Pittsburgh, Pa. Filed Dec. 27, 1920. Serial No. 433,145. 1 Claim. (Cl. 235—7S.)



In a device for adding inches and fractions thereof, the combination of a stationary disc; a second disc of lesser diameter centrally and rotatably mounted thereon; the annular space provided between the peripheries of said discs being divided into three concentric spaces and circumferentially into as many ring-sectors as correspond to the denominator of the smallest fraction of an inch for which the device can be used; the ring-sectors in the outer and inner rings bearing the numerators of the various fractions; the numerators in the outer ring progressing arithmetically in opposite direction to those of the inner ring; the ring-sectors of the intermediate ring bearing the denominator of the fractions; a plurality of apertures provided circumferentially on said rotatable disc; said apertures corresponding in number and radial alignment with the ring-sectors; a hand rotatably mounted on the common center of said disc; said hand being provided with a pin securely mounted thereon for selective engagement with the circumferentially disposed apertures provided in said rotatable disc.

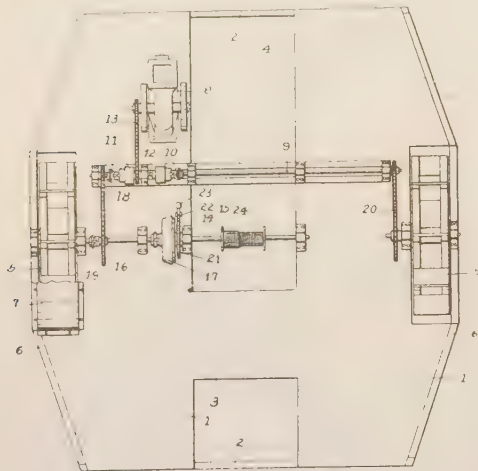
1,406,713. GAS FURNACE. JOHN ZANDER, Chicago, Ill. Filed May 8, 1920. Serial No. 379,778. 9 Claims. (Cl. 263—16.)



1. In a furnace, the combination with a heating chamber, of a fuel supply therefor, an air preheater connecting with said fuel supply, a direct outlet for the products of combustion from said heating chamber, and a second out-

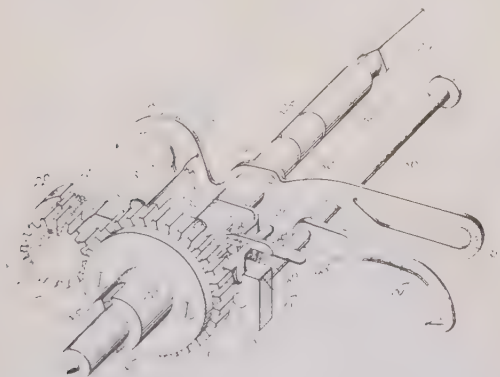
let in communication with the space surrounding said preheater whereby part of the products of combustion pass over said preheater to heat the same.

1,406,714. HOISTING APPARATUS FOR RAISING SUNKEN LOGS AND THE LIKE. ARTHUR J. ZIPP, Charlevoix, Mich. Filed Dec. 26, 1919. Serial No. 347,497. 14 Claims. (Cl. 114—49.)



1. In a hoisting apparatus of the class described, the combination of a lighter comprising a pair of scows connected side by side in a spaced relation permitting the hoisting of an object between them, each scow being provided with a propeller wheel disposed centrally relative to its length and at the outer side thereof, a sectional driving shaft disposed transversely of the scows and extending across the space between them and comprising an intermediate section connected to a source of power, and end sections connected to the intermediate section by clutches whereby the end sections may be driven together or independently, driving connections for one of said end sections to the shaft of one propeller wheel, a jack shaft, driving connections for the other end section to said jack shaft, said jack shaft being aligned with the shaft of the other propeller wheel and detachably connected thereto by means of a clutch, a drum shaft disposed across the space between the scows centrally relative to the length thereof and in alignment with said jack shaft, a friction clutch connecting said drum shaft to said jack shaft, and a ratchet means for controlling said drum shaft.

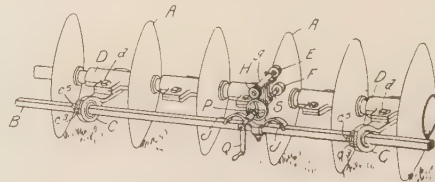
1,406,715. WIRE TWISTER. JAMES H. AKARD, San Francisco, Calif. Filed Oct. 18, 1920. Serial No. 417,546. 11 Claims. (Cl. 140—120.)



1. A wire twisting device including an arbor provided with longitudinally spaced grooves, wire twisting mecha-

nism carried by and longitudinally adjustable along said arbor, and means on said mechanism engageable with a selected groove to secure the mechanism in adjusted position along the arbor.

1,406,716. DISK SHARPENER. ZENO M. BAIN, Coffee Creek, Mont. Filed Oct. 25, 1920. Serial No. 419,472. 2 Claims. (Cl. 51—247.)



1. A grinding device comprising supporting arms, means to adjust the supporting arms to vary the relation with their supports, a bar adjustably secured upon the brackets, a bearing member slidable longitudinally upon the bar, means to fix the sliding member at various adjustments upon the bar, a bearing member carried by the sliding member, a shaft journaled in the bearing member, a friction disk carried by the shaft, a second shaft journaled in the bearing member, a grinding wheel carried by the second mentioned shaft, gears inter-gearing the shafts, means to adjust the bearing member relative to the bar, and means to adjust one of the shafts relative to, and independently of the bearing member.

1,406,717. VULCANIZING CAOUTCHOUC. CLAYTON W. BEDFORD and ROBERT L. SIBLEY, Akron, Ohio, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 12, 1918. Serial No. 249,579. 8 Claims. (Cl. 18—53.)

1. The process which consists in incorporating a small percentage of the reaction products of paranitroso dimethylaniline with less than two molecules of hydrogen sulfide into a caoutchouc mixture and heating with a vulcanizing agent.

1,406,718. THIOCARBANILIDE DERIVATIVES IN THE VULCANIZATION OF CAOUTCHOUC. CLAYTON W. BEDFORD and ROBERT L. SIBLEY, Akron, Ohio, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 12, 1918. Serial No. 249,580. 4 Claims. (Cl. 18—53.)

1. In the vulcanization of caoutchouc, adding to caoutchouc a small proportion of the thiourea derivative-containing reaction product of carbon bisulphide on the base resulting from the reaction of one mold of paranitroso body with less than two mols of hydrogen sulphide, and heating the resultant mixture with a vulcanizing agent to effect vulcanization.

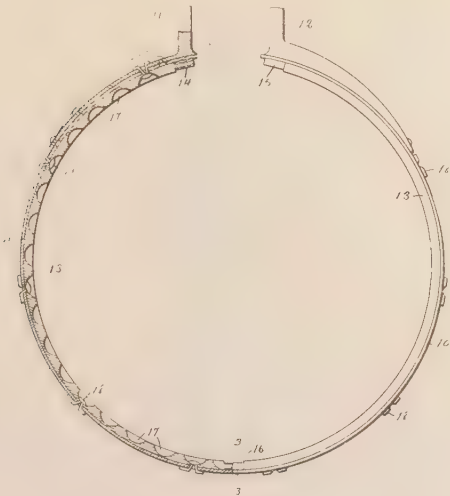
1,406,719. MANUFACTURE OF THIOCARBANILIDE FOR VULCANIZATION OF CAOUTCHOUC. CLAYTON W. BEDFORD and ROBERT L. SIBLEY, Akron, Ohio, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 12, 1918. Serial No. 249,581. 7 Claims. (Cl. 18—53.)

1. In the vulcanization of caoutchouc, the process which consists in incorporating into the caoutchouc mix a small percentage of a mixture of substituted thioureas, and heating the mass with a vulcanizing agent to effect vulcanization.

1,406,720. LINING FOR BRAKES AND CLUTCHES. LEMEUL E. BOOTH, Des Moines, Iowa, assignor of one-half to George W. John, Des Moines, Iowa. Filed Apr. 3, 1920. Serial No. 370,921. 4 Claims. (Cl. 188—259.)

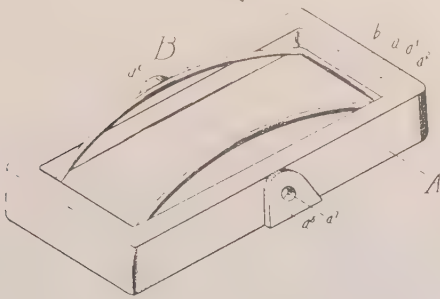
4. A device of the class described, a metallic band and a lining therefor composed of a strip of wood, said strip

being encircled by a number of reinforcing clips, said strip also being formed with a series of pockets in its inner face, and rivets extending through and connecting said band and lining, said rivets being located in certain



of said pockets whereby they are countersunk relative to the inner face of said lining, said reinforcing clips also being countersunk relative to the inner face of said lining.

1,406,721. FLOOR WAXER AND POLISHER. ALFRED S. BOYLE, Cincinnati, Ohio. Filed Mar. 1, 1920. Serial No. 362,443. 1 Claim. (Cl. 15—231.)

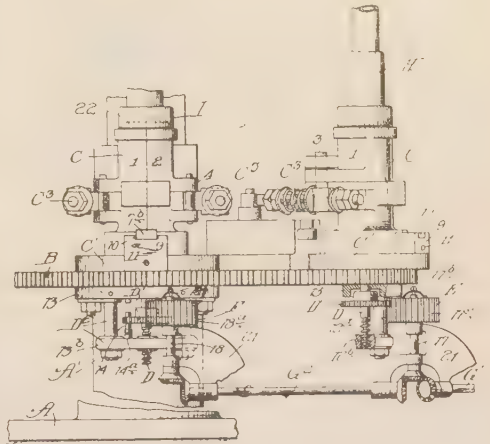


In a floor waxer and polisher, the combination of a heavy rectangular metallic block, having its face flat, and in its back a rectangular depression, and an arched rectangular wire frame, of a width substantially the width of the depression, and adapted to be sprung into and to have its ends held, by the arch, against the end walls of, the depression.

1,406,722. MACHINE FOR MAKING BOTTLES, ETC. HARRY M. BROWN, Brooklyn, N. Y., assignor to Spring Stopper Company, Brooklyn, N. Y., a Corporation of Delaware. Filed Mar. 18, 1918. Serial No. 223,090. 16 Claims. (Cl. 49—36.)

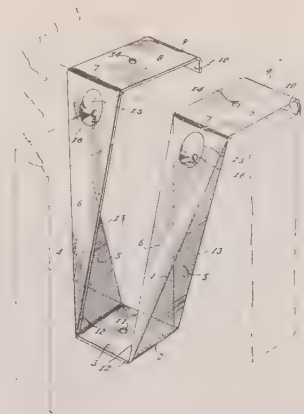
6. In a machine of the character set forth, the combination with an intermittently-actuated rotary table and a series of molds mounted thereon, of a mandrel for each mold having screw connection with the table and having a threaded portion adapted to project into the mold, a pair of oppositely-rotating vertical shafts situated at different local stations, gear-elements journaled on said shafts and adapted to be engaged, in turn, by the gear-elements of said mandrels, and friction-clutch devices

mounted on said shafts and equipped with adjusting devices, said clutch-devices being adapted to cause the gear-



elements on said shafts to rotate with the shafts and permit slippage after the mandrels have been moved the requisite distance.

1,406,723. JOIST HANGER. WILLIAM L. CALDWELL, Canton, Ohio, assignor, by mesne assignments, to United Alloy Steel Corporation, Canton, Ohio, a Corporation of New York. Filed Apr. 3, 1920. Serial No. 370,947. 1 Claim. (Cl. 20—94.)

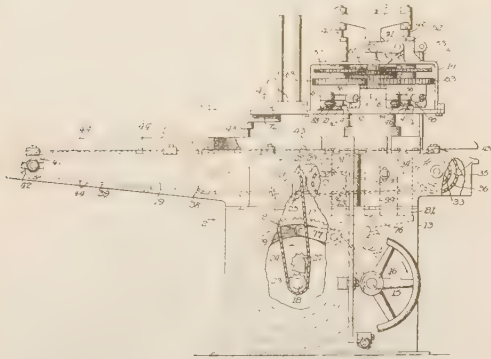


A sheet metal hanger for carrying a joist from a beam or the like, made of a straight strip bent upward along two parallel lines to form a rectangular seat for the joist, the two upwardly bent portions being then each bent inwardly upon a line diagonal of the respective portion, thence rearwardly and then downwardly, thereby forming triangular flanges having edges for abutting the joist and the beam, respectively, and rectangular beam plates and hooks.

1,406,724. CAN-SEAMING MACHINE. WILLIAM CAMERON, Chicago, Ill., assignor to Cameron Can Machinery Co., Chicago, Ill., a Corporation of Illinois. Filed May 20, 1916. Serial No. 98,742. 15 Claims. (Cl. 113—14.)

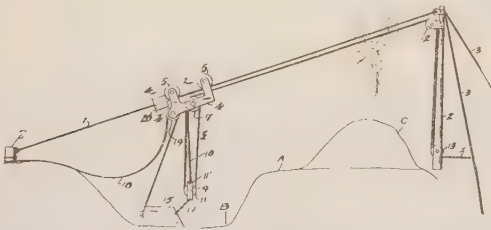
1. In a can-seaming machine, the combination of a continuously operating conveyor, means for simulta-

neously removing a plurality of cans from the conveyor and subsequently returning them thereto at predetermined



mined points on the conveyor, and means for operating upon said cans when in removed position.

1,406,725. CABLE-WAY EXCAVATOR. WILLIAM H. CRAWFORD, Los Angeles, Calif. Filed May 11, 1920. Serial No. 380,465. 3 Claims. (Cl. 212-92.)



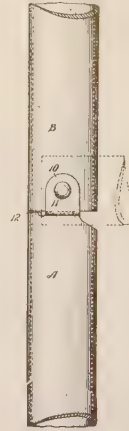
1. A cableway excavator comprising an inclined cableway, a carriage movable along said cableway, an excavator bucket, a supporting cable for said bucket carried by said carriage and arranged to first elevate the bucket and then move the bucket and carriage upwardly along the cableway, said carriage and bucket being arranged to return by gravity down the inclined cableway, and an adjustable stop upon said cableway for limiting the return movement of said carriage and bucket.

1,406,726. MEANS OF ADDRESSING AN AUDIENCE. WILLIAM DOBSON, Rockford, Ill. Filed Oct. 7, 1919. Serial No. 329,134. 1 Claim. (Cl. 179-1.)



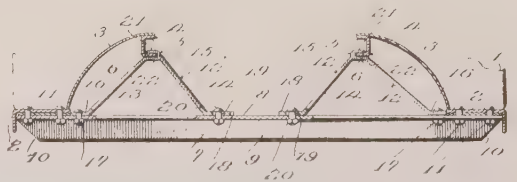
Apparatus adapted for use in verbally addressing an audience in the manner herein described, comprising a transmitter into which the subject matter is read by an assistant at one station, an ear receiver adapted to be worn by the speaker who addresses the audience at another station, a speed transmission line connecting said stations, and a signaling line independent of the first line adapted to be operated by the speaker at the second station for directing the assistant.

1,406,727. METHOD OF FORMING HINGE JOINTS. NAPOLEON B. DOUGLASS, Oakland, Calif. Filed Jan. 5, 1921. Serial No. 435,181. 5 Claims. (Cl. 29-11.)



1. The method of forming a hinge joint between tubular members of the same diameter which consists in cutting longitudinal slots in one of said members, cutting away the material between the slots at two sides thereof, leaving two ears, and thereafter setting the ears out to the extent required to receive the end of the other tubular member.

1,406,728. RUNNING-BOARD AND FENDER SUPPORT FOR AUTOMOBILES. ELMER ELSWORTH GREEN, Frederick, Md., assignor, by mesne assignments, of one-half to Preston E. Michael, Frederick, Md. Filed Apr. 7, 1921. Serial No. 459,267. 3 Claims. (Cl. 280-163.)

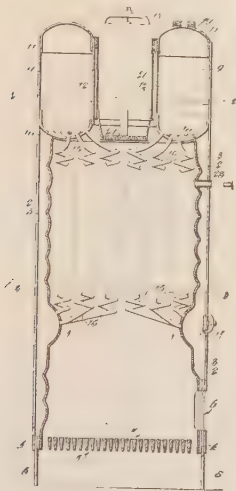


2. The combination with the chassis and running boards of an automobile, of a transversely arranged tie brace of relatively wide and flat proportions secured to said running boards, and means including a pair of adjustable angle brackets carried by said tie brace terminating in oppositely and horizontally disposed hook members arranged and adapted to engage and interlock with the side bars of the chassis of an automobile.

1,406,729. VERTICAL BOILER. SAMUEL HALLANDER, Vancouver, British Columbia, Canada. Filed Dec. 5, 1919. Serial No. 342,679. 7 Claims. (Cl. 122-169.)

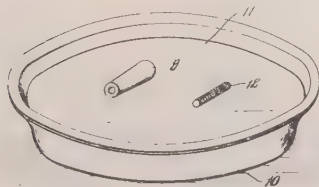
1. A vertical boiler, comprising an outer cylindrical shell, an inner fire box shell, the lower edge of which is secured to that of the outer shell, an annular steam chamber secured within the upper end of the outer shell to the lower end of which chamber the inner fire box shell is connected, the bottom of the annular chamber being aper-

tured between the outer and inner shell attachments, and a series of tubes extending between the lower part of the



inner fire box shell and the bottom of the annular steam chamber.

1,406,730. PROCESS FOR MOLDING. JOHN ALLEN HEANY, New Haven, Conn. Filed June 20, 1919. Serial No. 305,455. 4 Claims. (Cl. 18—48.)

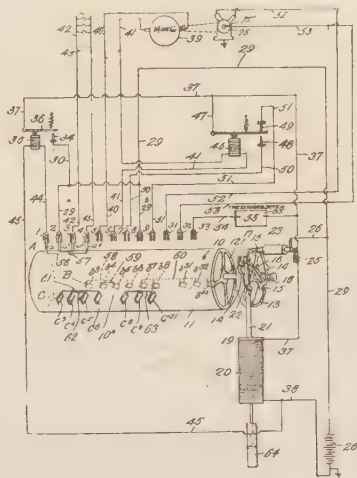


1. The process of molding which consists in forming the mold of a metallic material capable of being dissolved in other metallic material, inserting the material to be molded into the mold, and removing the mold from the molded object by placing it in the said other metallic material.

1,406,731. SYSTEM OF ELECTRIC-CIRCUIT CONTROL. JAMES B. HEARD, San Antonio, Tex. Filed Aug. 16, 1918. Serial No. 250,230. 5 Claims. (Cl. 290—30.)

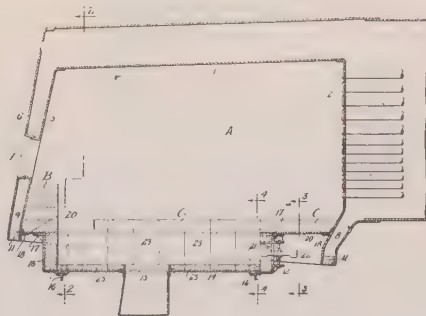
1. In a system of electric circuit control including a dynamo and a line circuit, a controller switch between said line and dynamo, an auxiliary generator and a motor driven by the auxiliary generator for operating said switch to disconnect the line from the dynamo when the line circuit is open, to stop the dynamo, and to cut the auxiliary generator into the line circuit, and when said

line circuit is closed to automatically start the switch motor, cut out the auxiliary generator from the line and



then connect the line and dynamo circuits and start the dynamo.

1,406,732. FIRE-PAN CONSTRUCTION FOR OIL-BURNING FIRE BOXES. RALEIGH J. HIMMELRIGHT, Englewood, and ALFRED H. WILLETT, West New York, N. J. Filed May 20, 1920. Serial No. 382,741. 6 Claims. (Cl. 158—3.)

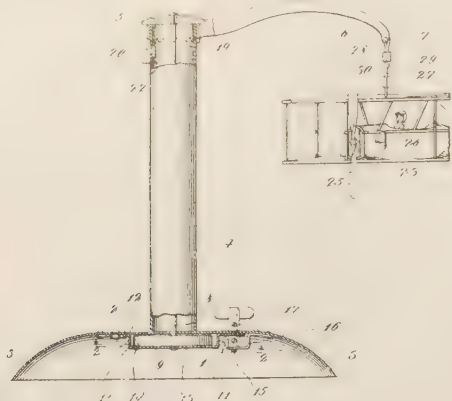


1. An oil burning locomotive fire box construction comprising in combination, a pair of fire pan forming members constituting a gauge or templet for the pan, means for supporting said members from the mud ring, and a separable fire pan adapted to be supported by said members.

1,406,733. TOY. LEO HINZ, Perth Amboy, N. J. Filed Sept. 2, 1920. Serial No. 407,658. 3 Claims. (Cl. 46—27.)

1. In a toy, a hollow base, a tubular member projecting from the upper face of said base, an arm rotatably mounted upon the upper end of the tubular member, a rod extending longitudinally of the tubular member, a cap carried by the rod and serving to hold the arm in place upon the upper end of the tubular member, a housing carried by the lower end of the tubular member, a

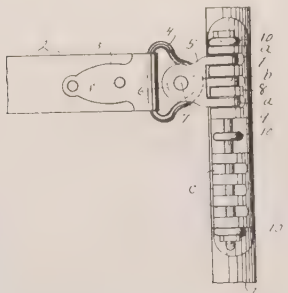
spring mounted within the housing and connected at one end to the housing and at the other end to the vertical rod,



and means for rotating the housing to place said spring under tension, as and for the purpose set forth.

1,406,734. [WITHDRAWN.]

1,406,735. HAME AND TRACE CONNECTION. FREDERICK F. HODGES, Kalamazoo, Mich. Filed May 10, 1919. Serial No. 296,254. 2 Claims. (Cl. 54—31.)



2. In a hame and trace coupling for harnesses, a looped casing having lateral slots uniformly distributed longitudinally thereon, eye rivets securing said casing to the hame, a bolt passed through the eyes of said rivets longitudinally of the hame, connecting members having projecting ends by means of which they are pivotally mounted upon said bolt and adapted to a lateral pivotal movement thereon, one of said members having an annular hub on one side and the other of said members having a portion abutting said hub, a loop mounted upon and between the connecting members and adapted for vertical pivotal movement, a metal strap secured around the aforesaid loop and secured to the trace forming a laterally pivotal connection for the trace, and means for adjusting the trace connections longitudinally of the hame.

1,406,736. PENCIL. EDWARD J. HOFFMAN, Cedar Rapids, Iowa. Filed Aug. 16, 1921. Serial No. 492,693. 3 Claims. (Cl. 120—18.)

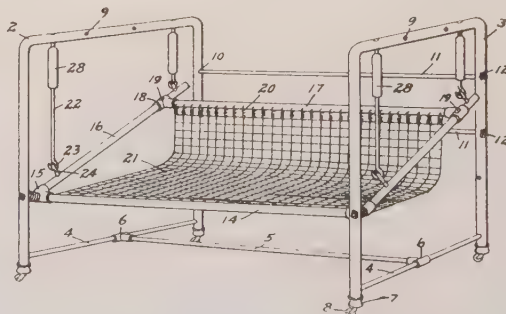
3. In a writing instrument, a barrel having its bore grooved longitudinally, a combined follower and magazine in the barrel, said combined follower and magazine comprising a plate whose edges are received in the grooves in

the barrel, said plate having its ends flanged in the same direction to provide therebetween a compartment for lead sticks, said plate being grooved longitudinally and having in the groove at one of the ends thereof a nut, the opposite end of the plate being integrally formed with a spring jaw designed to exert a pressure in the direction of the groove and to clamp in the groove one end of a lead stick to be projected through the barrel for writing or to be



drawn into the barrel, a cap nut closing one end of the barrel, a screw threaded through the nut of the plate and received in the groove thereof and having a non-threaded portion passing through the cap nut, means on the said non-threaded portion of the screw contacting the opposite face of the cap nut for holding the screw against longitudinal movement, and a milled operating head on the outer end of the screw.

1,406,737. CONVERTIBLE PORCH HAMMOCK AND BEDSTEAD. HOWARD L. HAY, San Miguel, Calif. Filed Feb. 5, 1920. Serial No. 356,469. 3 Claims. (Cl. 5—61.)

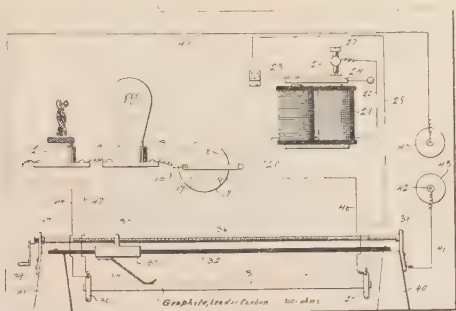


1. A convertible bedstead structure comprising end frames, a mattress frame having one of its side rails adjustably mounted on its end rails, a mattress carried by said frame, one side of said mattress frame being flexibly connected to the end frames, and flexible hangers between the upper portions of the end frames and the end rails of the mattress frame.

1,406,738. MEDICAL APPLIANCE. CHARLES B. HUGHES, New Orleans, La. Filed Apr. 2, 1921. Serial No. 457,951. 3 Claims. (Cl. 174—177.)

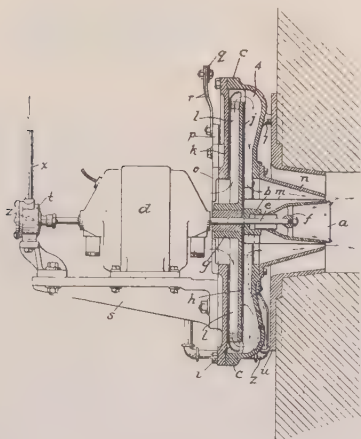
1. An electro-therapeutic appliance including a plug socket adapted to receive a plug, a lamp socket adapted to receive an electric lamp, one terminal of the plug socket being connected to one terminal of the lamp socket, the lamp socket in turn being connected in series with one end

of a longitudinally extending resistance bar, a longitudinally movable slide electrically engaged with the resistance bar and longitudinally adjustable thereon and having an



electrical connection in all positions with an applicator, a second applicator, and a flexible electrical connection from the applicator electrically engaged with the other terminal of said plug socket.

1,406,739. HYDROCARBON BURNER. JOSEPH C. HURLEY, Philadelphia, Pa., assignor to Petroleum Fuel Engineering Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 12, 1919. Serial No. 344,411. 3 Claims. (Cl. 158-77.)

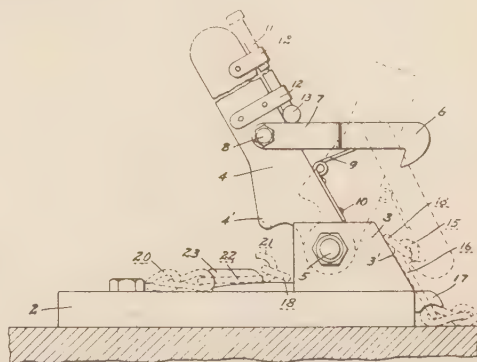


3. In a hydrocarbon burner, in combination, an atomizer comprising a rotatable oil cup and an air conduit, an oil pump, an oil valve adapted to control the supply of oil, a fan adapted to supply air to the atomizer, a casing positioned behind the fan and provided with an aperture about its axis, means to close the aperture, and means connecting the oil valve and an aperture-closing means adapted to control the relative air and oil supply to the atomizer.

1,406,740. CHAIN-LINK ASSEMBLER. ROLLY A. JOHNSON, Los Angeles, Calif. Filed Jan. 2, 1920. Serial No. 348,954. 3 Claims. (Cl. 81-15.)

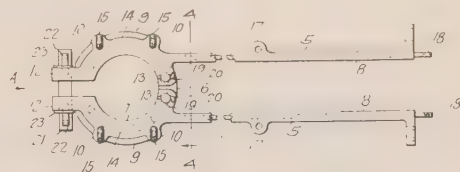
3. In a chain link assembler, a base having a projecting portion that is adapted to receive a chain link, a lever

fulcrumed to said base, a spring pressed hook pivotally mounted on said lever and adapted to engage the eyes of



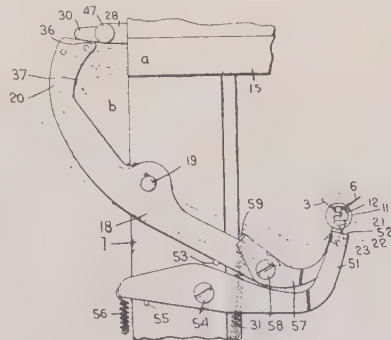
the chain links positioned on said projection and means for locking the hook in link engaging position.

1,406,741. ELECTRODE HOLDER. ROBERT M. KEENEY and PHILIP JAY LONERGAN, Jr., Denver, Colo.; said Lonergan assignor to said Keeney. Filed Jan. 20, 1920. Serial No. 352,816. 10 Claims. (Cl. 204-64.)



9. In an electrode holder, a pair of clamping members each comprising a jaw and a bus bar in rigid connection therewith and pivotally connected at the junctures of their jaws and bus bars, and means for fastening the free ends of the jaws together.

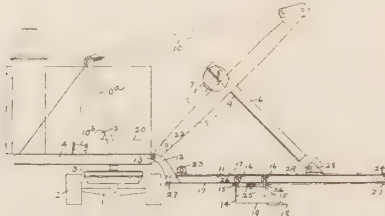
1,406,742. SEWING MACHINE. JOHN KIEWICZ, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Mar. 23, 1920. Serial No. 368,205. 11 Claims. (Cl. 112-252.)



9. In a buttonhole sewing machine constructed to lay a stay-cord at the edge of the buttonhole and to form the buttonhole stitches over said stay-cord, the combination with a throat-plate having an opening for the passage of the stay-cord and the under thread, of a pivoted pull-off lever having a pointed end arranged so that when the lever is swung forwardly said pointed end will enter between the stay-cord and the under thread, said pull-off

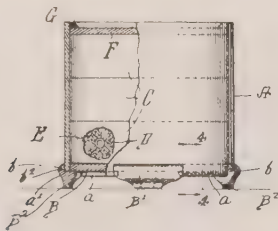
lever having a hook to engage the under thread, whereby during backward movement of the lever a length of under thread is drawn from the source of supply, means to cut the under thread close to the work, and means co-operating with the pull-off lever to hold the severed end.

1,406,743. GRADING MACHINE. WILLIAM E. MCCAIN, Erie, Pa. Filed Jan. 12, 1920. Serial No. 350,952. 7 Claims. (Cl. 37—39.)



1. In a grading machine, the combination of a platform; a boom pivotally mounted upon the platform and extending from the platform; a dipper having a cutting edge directed away from the platform and movable along the boom; a dipper stick actuating the boom to raise and lower the outer end of the boom; a crowding engine operating on the dipper stick; a mounting for the crowding engine; a drum on the platform; and a line extending from the drum to the dipper for actuating the dipper along the boom.

1,406,744. POT FOR USE IN ANNEALING AND CARBONIZING METALS. JOSEPH G. MCCARREN, Rockford, Ill. Filed June 6, 1921. Serial No. 475,429. 2 Claims. (Cl. 263—49.)

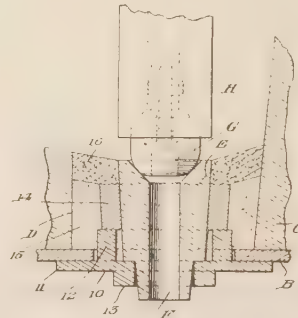


1. An annealing pot comprising a cylindrical steel shell notched at its lower edge to provide downwardly projecting lips, and a cast metal bottom piece provided with laterally projecting lugs projecting downwardly to form peripheral legs, said lugs being provided with arc-shaped notches adapted to engage the bottom edge of the base of said shell intermediate of said lips, and said lips being bent inwards to engage the lower face of said bottom piece intermediate of said peripheral legs, substantially as and for the purposes described.

1,406,745. MANUFACTURE OF RESORCINOL. HARRY MCCORMACK, Chicago, Ill. Filed Feb. 9, 1920. Serial No. 357,249. 10 Claims. (Cl. 23—24.)

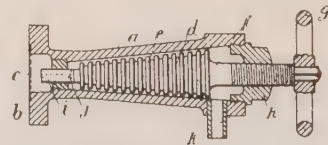
1. In the manufacture of resorcinol, the process which comprises treating with hot water the melt resulting from caustic soda fusion of benzene disulfonic acid to obtain a concentrated solution, allowing the solution to cool, separating crystallized sodium sulfite therefrom, neutralizing the residual solution with sulfuric acid, allowing the resultant hot solution to cool, separating crystallized sodium sulfate therefrom, evaporating the residual solution substantially to dryness, and separating resorcinol from the residue by extraction with a selective solvent for resorcinol.

1,406,746. LADLE-NOZZLE-PROTECTING DEVICE. JOHN ELWOOD McCULLOUGH, Maywood, Ill. Filed June 25, 1921. Serial No. 480,355. 4 Claims. (Cl. 22—85.)



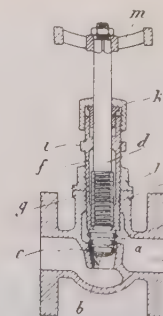
1. In combination with a molten metal ladle including an outer metallic shell lined with fire brick and also including a discharge nozzle of refractory material located in its bottom portion and projecting beyond the bottom, a metallic member disposed in encircling relation to the projecting portion of the nozzle and contacting with the metallic shell of the ladle, said metallic member being formed with an upwardly extending flange, and a ring member embedded within the lining of the ladle in contact with the nozzle and engaging the top of said flange.

1,406,747. AUTOMATICALLY-WORKING STEAM TRAP. GEORGES MASSIP, Paris, France. Filed Mar. 23, 1920. Serial No. 368,154. 2 Claims. (Cl. 137—103.)



1. A steam trap comprising a cylindrical housing having a bearing opening in one end and a removable cover at the other end, a body formed with annular grooves having a projection at one end seating in the bearing opening, and a threaded projection at the other end having threaded engagement in an opening in the cover, the body having its periphery spaced from the wall of the housing and formed with a bore in the projection forming an inlet for the passage of fluid and the housing being provided with an outlet at the opposite end.

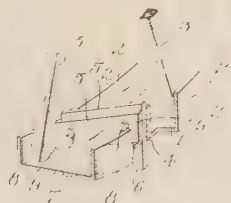
1,406,748. VALVE. GEORGES MASSIP, Paris, France. Filed July 29, 1920. Serial No. 399,833. 1 Claim. (Cl. 251—162.)



A valve comprising a body formed with a passage and a tapered valve seat, a plug formed with a plurality of

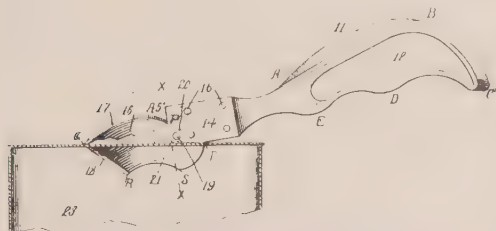
peripheral grooves, and having a plurality of packing rings secured in said grooves, the plug adapted to contact with the tapered valve seat at a plurality of points and be out of contact with the seat at other points to insure the closure to the passage of fluids.

1,406,749. TRACTOR LUG. NEWTON NEWELL MATTHEWS, Berlin, Md. Filed May 8, 1920. Serial No. 379,866. 3 Claims. (Cl. 301-44.)



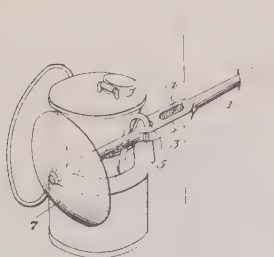
3. The combination of a tractor wheel provided with a rim having a transversely extending slot, transversely extending plates carried by said rim adjacent said slot, a traction lug disposed between said plates and adapted to project through said slot, and securing means passing through said plates and said lug for adjustably securing the latter in position.

1,406,750. CAN OPENER. ROBERT B. MINOR, San Antonio, Tex. Filed Dec. 24, 1912. Serial No. 738,425. 6 Claims. (Cl. 30-3.)



2. In a device of the class described, a blade having a spherical outer, convex surface, containing a forward cutting edge, and, projecting from said surface, a pivot with an edge forming a fixed axis of revolution, said axis being positioned radially with relation to said surface, substantially as described.

1,406,751. LAMP SUPPORT. JOHN MORGAN, Iron River, Mich. Filed June 17, 1921. Serial No. 478,385. 3 Claims. (Cl. 248-20.)



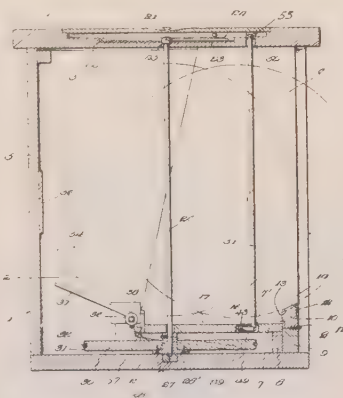
2. In a device for the purpose set forth, a shank which is round in cross section and which gradually decreases in thickness from one of its ends to its opposite end to provide the latter with a point, a head swivelled on the widened end of the shank, said head comprising a member which is round in plan and concavo-convex in cross section, said shank having a flattened and widened portion provided with an elongated slot and a round slot for the purpose set forth.

1,406,752. AUTOMOBILE PULLER AND POWER MECHANISM. JOHN T. MONTGOMERY, Verona, Mo. Filed Apr. 24, 1920. Serial No. 376,315. 1 Claim. (Cl. 242-95.)



In combination with a drive wheel, a power drum attachable thereto, a cable associated with the drum, a hanger movably extending through the drum, a hook engaging the wheel, a hanger having a portion extending at an angle to the hook and engaging the drum on the opposite side to the hook, and said portion having an eyelet through which the cable passes.

1,406,753. RECORD-FILE CABINET. WILLIAM E. MUFFLY, Alliance, Ohio. Filed Jan. 22, 1920. Serial No. 353,301. 10 Claims. (Cl. 211-16.)

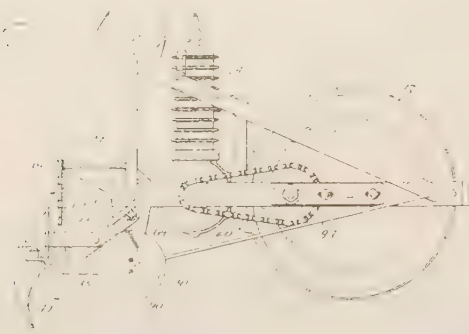


1. A cabinet comprising a casing subdivided for disk records, record supports in the subdivisions of the casing, an ejector in rear of the supports, means for locating a desired record including a vertically disposed shaft mounted in the casing between the subdivisions thereof, a wheel secured on said shaft below the record supports, operative connections between said wheel and the ejector whereby to shift the ejector along the casing in consonance with the movement of the record-locating means, a push rod mounted vertically in the casing between the subdivisions thereof and in advance of said shaft, and connections between the lower end of said push rod and the ejector whereby to rock the ejector against the located record and project the same.

1,406,754. TRACTOR. GEORGE H. NOBBS, Watertown, Mass. Filed Oct. 31, 1919. Serial No. 334,804. 5 Claims. (Cl. 97-30.)

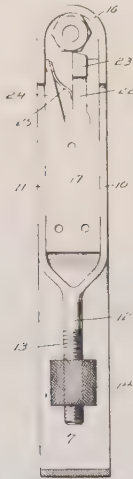
1. A vehicle having in combination a frame with rear guiding handles; a single wheel supporting it; a second support arranged in tandem with said wheel; a stiff draw bar adapted for connection of earth working elements ex-

tending outward laterally from back of the rear of these supports; an axle and wheel outrigger even with the rear



support; and ties attaching the axle to the forward end of the frame, and to the outward end of the draw bar.

1,406,755. WRENCH. GEORGE C. PETERS, Los Angeles, Calif. Filed June 29, 1921. Serial No. 481,333. 2 Claims. (Cl. 81—167.)

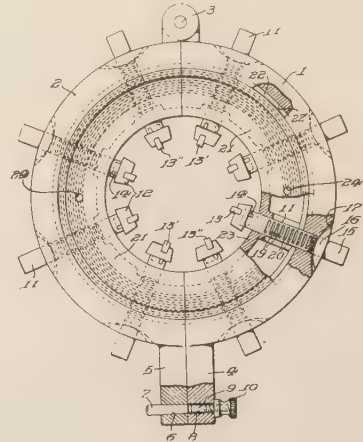


1. A wrench of the class described comprising a U-shaped frame, the sides of said frame being bent inwardly to provide a hand gripping end, a recessed plate attached to said frame, means carried by said plate for engaging a part to be actuated, a yoke slidably mounted between the arms of the frame and said plate, and means for adjusting said yoke with respect to the frame.

1,406,756. TOOL FOR TRUING UP CRANK SHAFTS. KARL R. PETERS, Philadelphia, Pa. Filed May 19, 1920. Serial No. 382,635. 7 Claims. (Cl. 82—4.)

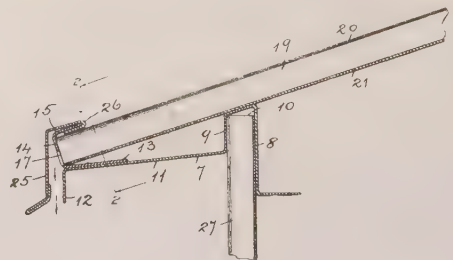
1. In a tool for operating upon bearings, the combination of hinged semiannular members, radially movable members mounted in said semiannular members, cutting elements carried by said radially movable members and disposed in circular order, semi-annular members having spiral operating elements mounted upon said hinged semi-

annular members, and movable therewith about the hinge thereof, said elements engaging said radially movable



members whereby upon rotation of said semi-annular members radial movement is imparted simultaneously to all of said radially movable members.

1,406,757. SHEET-METAL HOUSE. CLARENCE D. PRUDEN, Baltimore, Md., assignor to C. D. Pruden Corporation, Baltimore, Md., a Corporation of Maryland. Filed Mar. 26, 1920. Serial No. 368,834. 6 Claims. (Cl. 189—1.)



1. The combination with a wall, of a roof having coupled-together sheets, a channel-plate supported on top of the wall and extending outwardly therefrom and having a continuous down-turned flange, and spaced-apart up-turned flange means carried by the channel-plate at the lower ends of the joint between the roof-sheets whereby said lower end of the roof-sheets at their joint may be seated against one of the said flange means.

1,406,758. PORTABLE KITCHENETTE. FRANCIS B. PURDIE, Albany, N. Y. Filed Sept. 11, 1920. Serial No. 409,691. 1 Claim. (Cl. 45—16.)

A portable kitchenette, combining a table, kitchen cabinet, ice box and cooking facilities, comprising a main body structure having upper and lower sub-divided portions and closures therefor, said sub-divided upper portion consisting of an intermediate ice compartment, and stove and storage compartments disposed each side of said ice compartment opening on opposite sides of said structure, the closures of said upper portion comprising vertically swinging hinged side members normally closing the stove and storage compartments, and extensible top sections, said top sections when extended permitting access to the

ice compartment and adapted to be supplied with an intermediate section removably carried by the main body structure, to form a table, said hinged side members when extended forming additional enlargements of said

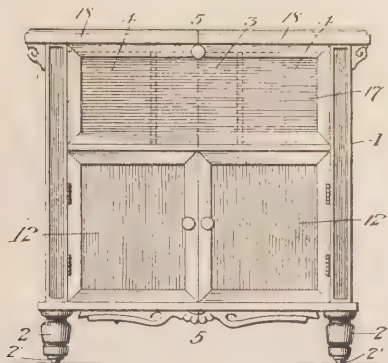
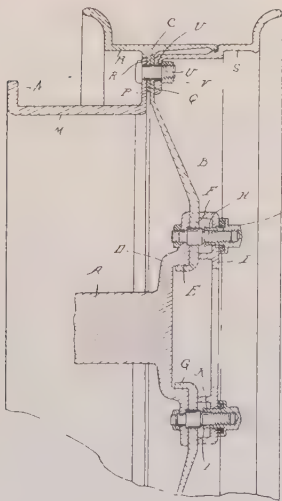


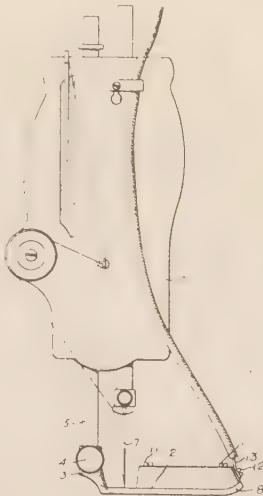
table and permitting access to said stove and storage compartments, one of said side members adapted to swing upwardly to form an adjoining extension of the table, and the other adapted to swing downwardly to provide an extension in a plane below the plane of the table.

1,406,759. VEHICLE WHEEL AND AXLE. ALDEN L. PUTNAM, Detroit, Mich., assignor, by mesne assignments, to Detroit Pressed Steel Company, Wilmington, Del., a Corporation of Delaware. Filed June 27, 1919. Serial No. 307,140. 6 Claims. (Cl. 301-6.)



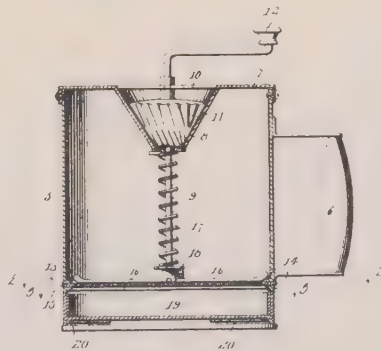
1. The combination with a revoluble axle shaft, of a flange extending radially outward from the end of said shaft and recessed concentric with the axis, a disk wheel having an inwardly turned flange engaging the recess in said axle flange, and means for clamping said disk to said axle flange.

1,406,760. ELECTRICALLY-HEATED PRESSER FOOT. HETTIE E. RUDOLPH, Bisbee, Ariz. Filed June 28, 1921. Serial No. 481,013. 7 Claims. (Cl. 219-19.)



7. The combination with a presser foot, and a heater on the upper face thereof.

1,406,761. COFFEE MILL AND SIFTER. VERONA RUSNAK, Cleveland, Ohio. Filed July 6, 1921. Serial No. 482,680. 1 Claim. (Cl. 83-18.)

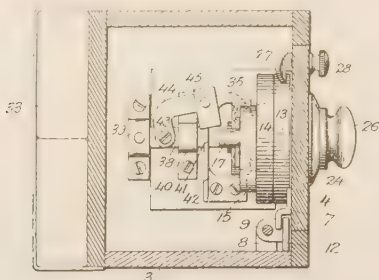


A combination coffee grinder and sifter embodying a casing having a cover provided with an inwardly projecting integral portion forming a grinder casing, and having a cross bar transversely of the grinder casing, a removable screen in the casing beneath the grinder casing, a vertical shaft having agitator arms upon the lower end thereof disposed upon said screen and journaled for rotation centrally through the grinder casing and the said transverse cross bar, a handle upon the upper end of said shaft for rotating the agitator arms, spring means to yieldingly urge the shaft and agitator arms downwardly, and an abutment upon the shaft near the agitator arms, said spring encircling the shaft between the grinder casing and said abutment.

1,406,762. ALARM. ARTHUR C. SCHLOTH and HERMAN E. SCHLOTH, Lynn, Mass., assignors to Uldoric J. Bouchard, Boston, Mass. Filed Nov. 8, 1920. Serial No. 422,642. 5 Claims. (Cl. 200-42.)

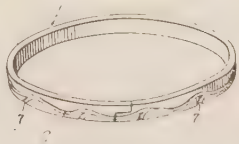
1. In combination with an electric circuit, a normally open switch and a closer therefor; of a casing in which the switch and circuit closer are located, a door for the

casing, locking means therefor, including a cam which when turned to one position in the operation of the lock will engage the circuit closer to cause the latter to oper-



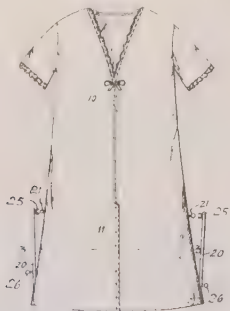
ate the switch to close the circuit, and latching means engaging the circuit closer for holding the same in its last mentioned position.

- 1,406,763. PISTON RING. JOHN L. SCHOEN, Chicago, Ill. Filed Dec. 11, 1920. Serial No. 429,844. 7 Claims. (Cl. 74-109.)



1. A piston ring provided with means about the front face thereof to cause a flow of oil circumferentially about the ring between the same and the cylinder wall in one direction only.

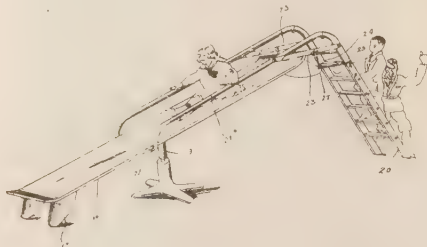
- 1,406,764. CONVERTIBLE GARMENT. FANNIE H. SCHWARTZ, Brooklyn, N. Y. Filed Jan. 25, 1918. Serial No. 213,752. 1 Claim. (Cl. 2-145.)



A one piece undergarment for covering the shoulders, body, and limbs, and comprising a waist section and a skirt section, the waist section having a closed front and back and the skirt section being divided vertically at the center of the front and back for forming two leg portions continuous with the waist, fastening devices on the inner edges of the leg portions, such devices being positioned to permit of engagement for fastening the garment around the limbs individually and for fastening the garment at other times so that the front portion will be continuous transversely for forming the front of the skirt and the back portion will be similarly connected to form the back of the skirt, elastic tapes each having permanent connection at one end with the garment and adapted to encircle the leg of the wearer, a fastening device on the free end of each tape, a complementary fastening device on the other end of the tape, and a fastening device cor-

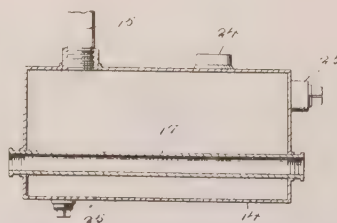
responding with that last named on the side of the garment and spaced from the permanently connected end of the tape, permitting the latter to be retained in an extended position along the side of the garment when said garment is in skirt form.

- 1,406,765. AMUSEMENT APPARATUS. IDA L. M. SHACKLE, Watertown, S. D. Filed Sept. 4, 1920. Serial No. 408,341. 1 Claim. (Cl. 46-37.)



An amusement apparatus consisting of a stand having its upper end ball-shaped, a board, a supporting arm centrally positioned from the under side of said board, said supporting arm being provided with an opening which may be tiltably and rotatably positioned on said ball-shaped end of said stand, feet suitably positioned on the under side of the respective ends of said board, side members, a ladder having its upper end hinged to said side members, the lower ends of which side members are attached together by a strip fitting under said board, the other end of said board being suspended from braces supported from said sides and said ladder and the upper step of said ladder being provided with a hinged platform adapted to be positioned over the end of said board when in use.

- 1,406,766. OIL HEATER FOR ENGINES. CHARLES E. SHIPP, Detroit, Tex. Filed May 23, 1919. Serial No. 299,172. 1 Claim. (Cl. 123-122.)

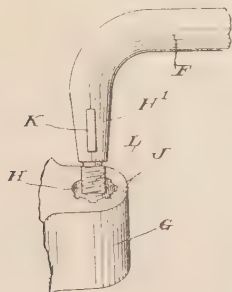


The combination with an internal combustion engine, of a fuel receptacle, a supply pipe arranged therein, a sight glass provided upon the receptacle, a water circulating pipe passing longitudinally through the receptacle, said pipe having its end connected to the water circulating system of the engine, a pair of pipes forming said connection, a feed pipe extending from one end of the receptacle and connected to the engine, a strainer positioned intermediate the ends, said receptacle having upper and lower cleanout openings.

- 1,406,767. HANDLE FOR STOPE DRILLS. FRED M. SLATER, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 22, 1920. Serial No. 367,830. 1 Claim. (Cl. 121-36.)

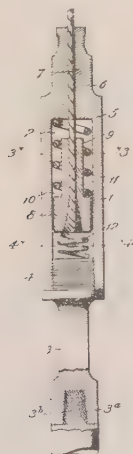
A rock drill casing provided with an integral boss at one side formed with a hollow interiorly longitudinally grooved tapered socket the axis of which extends substantially parallel to the axis of the machine, a handle having a substantially right angled bend near the inner end, the short shank of the handle at the inner end being

tapered to fit the tapered socket and having at least one key or rib to cooperate with the grooves in the socket, the extreme end of the shank being reduced and



screw threaded, and a tightening nut for said reduced end, whereby the operator is enabled to adjust the handle on the machine as desired at different horizontal angles and lock it against turning in any of said positions.

1,406,768. WIRE-LINE SOCKET. ROBERT O. SLATER, Tulsa, Okla. Filed Mar. 13, 1919, Serial No. 282,414. Renewed Aug. 19, 1921. Serial No. 493,697. 11 Claims. (Cl. 255—26.)

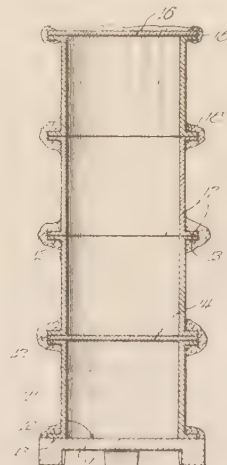


1. In a device of the character described, the combination of a tubular socket member, a swivel member positioned within and enclosed by the socket member for relative longitudinal movement, the said swivel member having a rope or cable receiving recess therein and also having a seat for a cushioning means, cushioning means interposed between said seat of the swivel and the top wall of the socket, and said top wall of the socket being adapted to be engaged by the swivel to thereby limit the compression of the cushioning means.

1,406,769. APPARATUS FOR USE IN THE TREATMENT OR ANNEALING OF CASTINGS. EDWIN K. SMITH, Milwaukee, Wis., assignor to Lakeside Malleable Castings Company, Racine, Wis., a Corporation of Wisconsin. Filed Feb. 10, 1921. Serial No. 443,823. 2 Claims. (Cl. 263—49.)

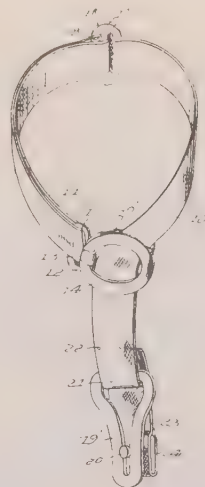
1. An annealing apparatus of the type comprising a plurality of flasks adapted to be set one upon the other to form a single receptacle of the total capacity of the flasks,

each of said flasks being flanged at each end, said flanges extending at right angles to the body of the flask and



having broad engagement faces, said flanges arranged, when the flasks rest one upon the other, to engage the flanges of the adjacent flask to provide a seal.

1,406,770. BUCKLE. JAMES PHILIP SMITH, Hampton Roads, Va. Filed Dec. 13, 1920. Serial No. 430,317. 2 Claims. (Cl. 24—198.)

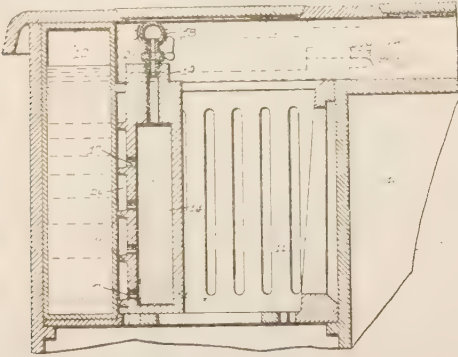


2. A slide grip for garters consisting of a continuous band, the same being of elliptical ring form and having its sides slitted in parallelism with the plane of the ring to dispose the band in spanning relation with the open center thereof for the deflection of the band from the plane of the ring for the purpose specified.

1,406,771. WATER-HEATING ATTACHMENT. MORRIS STARR, Plainfield, N. J. Filed Sept. 20, 1920. Serial No. 411,657. 3 Claims. (Cl. 126—54.)

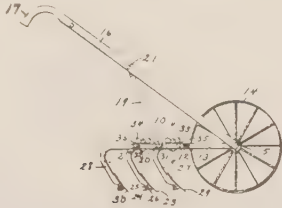
1. A heater comprising a hollow body divided into a plurality of fuel receiving chambers arranged side by side, a plurality of ribs projecting from one side of said body and traversing the fuel receiving chambers to define inde-

pendent combustion spaces between the body, the ribs and the article to be heated, said body having openings there-



through for establishing communication respectively between the chambers and combustion spaces.

1,406,772. HAND CULTIVATOR. THOMAS E. STANLEY, Earlham, Iowa. Filed Mar. 10, 1919. Serial No. 281,871. 4 Claims. (Cl. 97-42.)



2. In a hand cultivator, the combination with a main beam formed with a vertical slot and auxiliary beams pivoted to the main beam and adapted for arcuate adjustment thereon on horizontal axes, said auxiliary beams being each offset between its ends so that the major portion of its length is spaced from and lies in a plane parallel with the main beam, of bolts mounted through and adapted for longitudinal adjustment in said vertical slot adjacent the offsets of the auxiliary beams, and a stop device carried by each bolt and adapted to extend across the path of arcuate movement of an auxiliary beam and also adapted to engage alternately opposite margins of said auxiliary beam, whereby either auxiliary beam may be held in any position in which it is placed manually.

1,406,773. DISH-DRYING RACK. GEORGE A. STOFFEL, Huntington, Ind. Filed May 7, 1920. Serial No. 379,628. 1 Claim. (Cl. 141-11.)



A device of the character described comprising an outer imperforate receptacle adapted for disposition upon the drain board of a sink and having its top open, and one end open and formed with converging side flanges defining a discharge chute adapted to lead into the sink, an inner receptacle open at its top and provided with perforations throughout, spacing means carried by the under side of said inner receptacle engaging upon the bottom of said outer receptacle, the inner receptacle having all of its walls arranged in spaced relation to the walls of the outer receptacle, a plurality of substantially vertically extend-

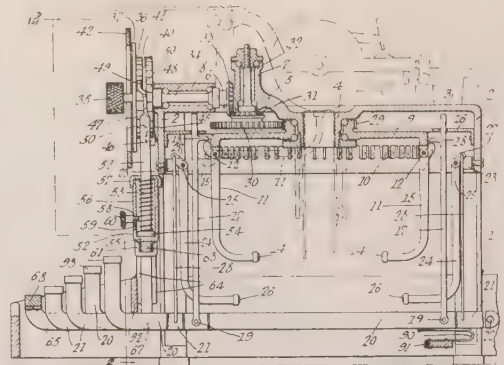
ing partitions extending across the inner receptacle and secured thereto and terminating in spaced relation to the bottom thereof, brackets secured at the rear corners of the outer receptacle, and screw members passing through said brackets and adjustable whereby to vary the height of the rear end of the outer receptacle.

1,406,774. DETACHABLE CLIP FOR MEASURING DEVICES. JAROSLAV STRAKA, Chicago, Ill. Filed Mar. 14, 1919. Serial No. 282,702. 4 Claims. (Cl. 33-173.)



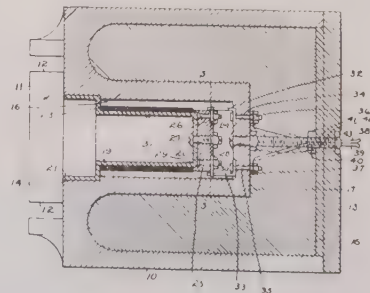
1. A rule in combination with a detachable clip having a lug, an edge of said lug being aligned with said rule and in a plane at an angle oblique to the plane of said rule.

1,406,775. MESOGRAPH. CHARLES M. SWINGLE, Cleveland, Ohio. Filed Feb. 11, 1920. Serial No. 357,852. 8 Claims. (Cl. 197-4.)



1. In a device of the class described, a rotatable type wheel, type levers pivoted to the wheel; key-actuated members; and means for rotating the wheel to bring different type levers into operative relation to the key actuated members.

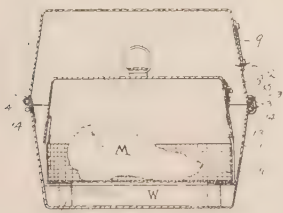
1,406,776. ELECTRICAL HEATING APPLIANCE. LEONARD SYKES, Fort Wayne, Ind. Filed Jan. 31, 1920. Serial No. 355,457. 3 Claims. (Cl. 219-19.)



1. In an electrical heater, a casing, two terminals supported within the casing, electrical current supply wires

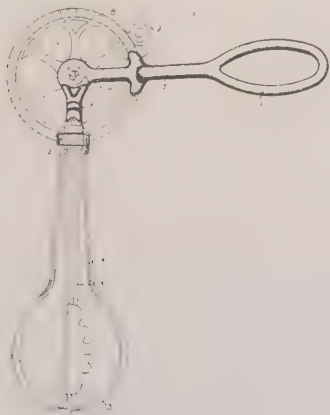
connected to the terminals, a hollow member supported in the casing and having one end open and exposed at one side of the casing, two contacts carried by the hollow member and adapted to engage the terminals, a heating element supported on the hollow member and connected at its opposite ends to the contacts, the hollow member, the heating element and the contacts being adapted to be inserted into and withdrawn from the casing as a unit.

1,406,777. STEAM BAKER. LOUISE B. TALBOTT, Augusta, Ga. Filed Sept. 14, 1920. Serial No. 410,117. 1 Claim. (Cl. 53—6.)



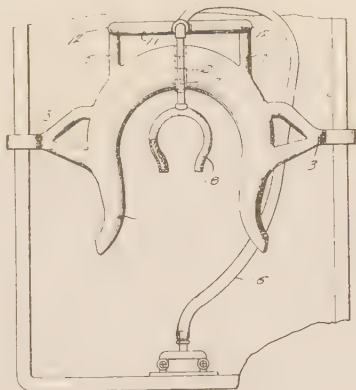
A steam food baker comprising an outer compartment having a cover, the compartment being adapted to hold water in its lower portion and to confine steam rising from the water, and an inner compartment disposed within the outer compartment and supported above the bottom thereof, the inner compartment having its lower portion foraminous and including also a sheet metal cover constituting the top and the upper portions of the sides and ends thereof to collect juices that rise from the food and return them thereto, the inner compartment being spaced from the outer compartment to form with said outer compartment a steam chamber enclosing the inner compartment.

1,406,778. EGG BEATER. ULYSSES GRANT TEETSELL,
Tarrytown, N. Y. Filed Apr. 29, 1921. Serial No.
465,424. 2 Claims. (Cl. 259—131.)



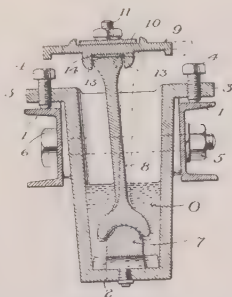
1. An egg beater, including an angular frame, a cross head at the lower end of the frame, dashers, intermeshing gear wheels mounted below the cross head and operatively connected to the dashers, a handle member located at right angles to the plane of the angular frame and integral therewith, and a crown gear rotatably mounted at the junction of the handle and frame meshing with one of the gear wheels.

1,406,779. SHOWER-BATH CHAIR. HENRY EDWARD THIBADORE, Utica, N. Y., assignor of one-half to Joseph L. Thibadore, Lanesboro, Mass.; Almira M. Thibadeau executrix of Henry Edward Thibadore, deceased. Filed Apr. 10, 1920. Serial No. 372,899. 3 Claims. (Cl. 4—2.)



1. A shower bath chair comprising a seat, rods detachably connected with the seat, a bar mounted upon the rods and adapted to serve as the back for the chair, a head mounted upon the rods, a pipe adjustably passing through the head, means for securing the pipe at an adjusted position, and a sprinkler mounted upon the pipe and being approximately horseshoe shaped.

1,406,780. SELF-OILING ROCKER BEARING. CHARLES E. THOMPSON, Denver, Colo., assignor to The Mine & Smelter Supply Company, Denver, Colo., a Corporation of Colorado. Filed May 15, 1919, Serial No. 297,199. Renewed Dec. 22, 1921. Serial No. 524,292. 6 Claims. (Cl. 74—104.)

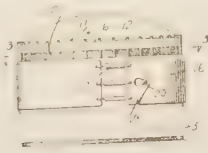


3. The combination of a suitable support, a rocker pocket entirely closed except at the top and detachably held by the support and adapted to contain a lubricant, a rocker, a rocker-plate resting on the rocker, set-screws connected with the pocket and resting on the support for adjusting the pocket, and clamping means for securing the pocket rigidly to the support.

1,406,781. DISPENSING DEVICE. LEVERETT W. TIF-
FANY, Winsted, Conn. Filed Sept. 17, 1921. Serial No.
501,400. 11 Claims. (Cl. 211-44.)

1. A dispensing device including a base, a wall associated with said base, said wall being formed with a slot, a strip of material disposed within the space enclosed by

said wall, the end of said strip of material passing through said slot and around the exterior face of said wall, and



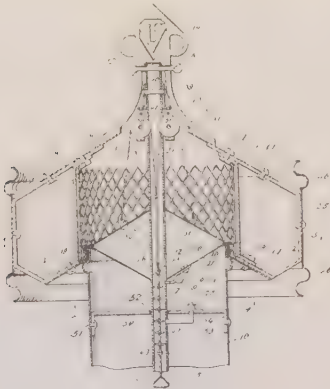
means for retaining said latter portion of the strip in intimate contact with the exterior face of said wall.

1,406,782. LENS. EDGAR D. TILLYER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Nov. 29, 1916. Serial No. 134,129. 19 Claims. (Cl. 88—54.)



1. A concave convex bifocal lens formed with a convex single vision curve on the one face and with a pair of intersecting concave curves on the opposite face, the center of curvature of the weaker concave surface lying in a line determined by the centers of the other two curves.

1,406,783. VENTILATOR. FRANK J. TOMSEK, Omaha, Nebr. Filed July 31, 1920. Serial No. 400,354. 2 Claims. (Cl. 98—4.)

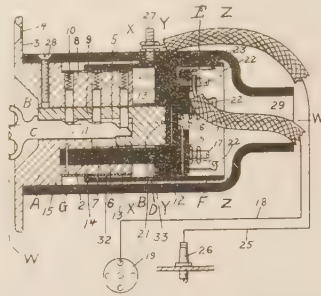


1. A ventilator comprising a tubular body open at the top, a substantially horizontally arranged annulus detachably supported upon the body, braces secured to and spaced around the annulus, a cap secured to the braces and provided with an annular flange surrounding a central opening, a cover engageable with the flange and surrounding the opening, an annular screen located within the braces and supported upon the annulus, a damper for controlling the open top of the body, guiding means for the damper and means whereby the damper may be operated.

1,406,784. AUTOMOBILE IGNITION LOCK. GEORGE W. TURNER, Minneapolis, Minn., assignor to Turner Auto Lock Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Jan. 18, 1917, Serial No. 143,171. Renewed Oct. 29, 1919. Serial No. 334,372. 7 Claims. (Cl. 200—44.)

1. In combination with a switch for opening and closing the ignition electrical circuit of an internal combustion

engine, a lock for controlling the opening and closing of said switch having a tumbler bolt slidable inwardly to open



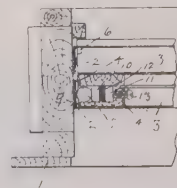
said switch and releasable by the insertion of a key to move said switch into circuit closing position.

1,406,785. INSTRUMENT FOR PRODUCING LINES. ANDRE E. M. VAN DER MEERSCH, London, England. Filed Mar. 21, 1921. Serial No. 454,161. 1 Claim. (Cl. 33—41.)



The combination with a hollow handle having a brush terminal designed to mark a line of constant thickness, of a guide slidably fitting said handle, an elongated flat support having one end adjacent the brush, said support being twisted on itself to present an upper portion at right angles to the lower portion, said upper portion being pivoted to the guide, a spring arranged between the upper portion of the support and guide and means operating through the lower portion of the support and cooperating with the hollow handle to space the lower end of the support relative to the brush.

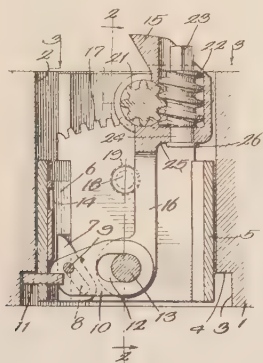
1,406,786. WINDOW. CHARLES E. WARD, Baltimore, Md. Filed Aug. 18, 1920. Serial No. 404,349. 2 Claims. (Cl. 20—52.)



1. The combination with a window sash of ball-bearings mounted in the side of said sash, two metal disks adjacent

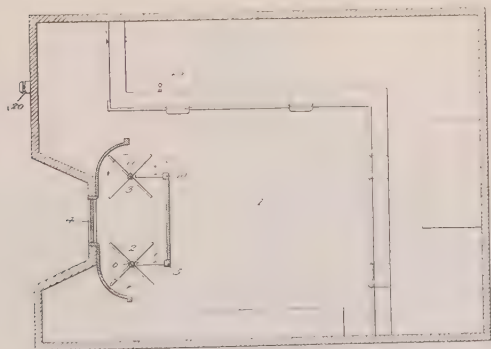
each of said ball-bearings, a flexible disk between the metal disks and screws projecting through the sash and impinging against one of said metal disks to regulate the tension of the ball-bearing.

1,406,787. PRINTING-ELEMENT HOLDER. WALLACE S. WARNOCK, Chicago, Ill. Filed Nov. 5, 1921. Serial No. 512,963. 4 Claims. (Cl. 101—335.)



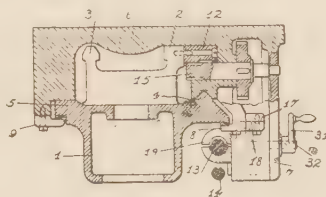
1. A printing element holder including a hollow carrier; a clamping jaw upon the carrier and having a stem within and in pivotal connection with the carrier; an arcuate rack within the carrier and substantially co-axial with the jaw stem; and operating gearing upon and traveling with the clamping jaw and co-acting with said rack to effect travel of the jaw.

1,406,788. APPARATUS FOR TRAPPING BANK ROBBERS. FREDERICK WEINMANN, Lansing, Mich. Filed Mar. 12, 1921. Serial No. 451,731. 1 Claim. (Cl. 20—1.01.)



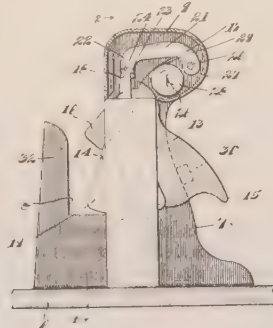
In apparatus for trapping bank robbers, the combination of a turn stile having a toothed disk, a pawl adapted in one position to cooperate with said disk and prevent turning of the turn stile, an electro-mechanical device adapted to normally hold the pawl out of engagement with the toothed disk, a normally open switch, and a source of electric energy arranged in a normally open circuit with said electro-mechanical device and the switch whereby when the switch is closed the electro-mechanical device will be energized and the pawl will be released for engagement with the toothed disk; the said electro-mechanical device being in the form of an electric motor with an arm on the armature shaft thereof to engage a notch in the pawl, and the armature shaft being equipped with a dielectric disk on which is a conductive strip, and the said strip being normally arranged in the motor circuit, whereby after energization of the motor to release the pawl the motor circuit will be automatically broken.

1,406,789. LATHE-BED CONSTRUCTION. ALBERT WEISS, Bassersdorf, Ct. Zurich, Switzerland, assignor to the Firm of Swiss Maschine-Tool Works, Oerlikon, Oerlikon, Switzerland. Filed Mar. 31, 1921. Serial No. 457,489. 3 Claims. (Cl. 82—32.)



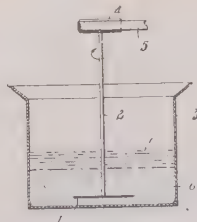
1. In a lathe bed construction, a prismatic guide at the side of the bed, a rack supported on the bed above the guide and protecting said guide from chips, and a lead screw below the guide and protected thereby.

1,406,790. SWITCH LOCK. SAMUEL G. WELLS, Chicago, Ill. Filed Dec. 29, 1919. Serial No. 348,129. 13 Claims. (Cl. 70—128.)



1. A switch lock comprising a supporting member; a guide member mounted adjacent to and spaced from said supporting member; a latch pivotally mounted on said supporting member; a locking member adapted, when in operative position, to engage said latch; and means projecting into the space separating said supporting member and said guide member for retaining said locking member in in-operative position, substantially as described.

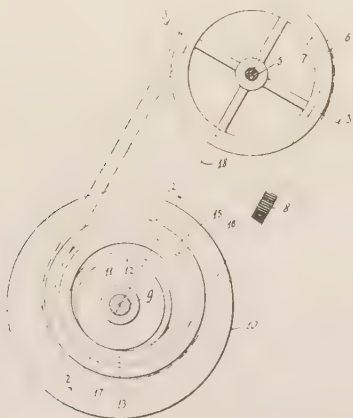
1,406,791. METHOD FOR PRODUCING EMULSIONS. ERNEST E. WERNER, St. Louis, Mo. Filed Dec. 6, 1920. Serial No. 428,504. 8 Claims. (Cl. 99—11.)



5. The method of emulsifying oil and a heavier liquid inclosed in a container, which consists in continuously causing the oil, while in a state of flotation on the heavier liquid, to pass into contact with the exposed portion of a rapidly moving abrasive surface by revolving a plate normally submerged in the heavier liquid and having a

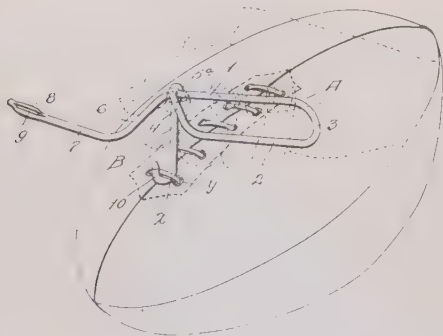
surface of a sufficient degree of smoothness to produce, under centrifugal action, a gyratory movement of the liquids in which the oil will form continuously diminishing strata within the liquid cone and the two liquids and resulting emulsoid will gyrate with the minimum of agitation.

- 1,406,792. FRICTION DRIVING MECHANISM. JOSEPH ROGER WHITE, East Orange, N. J., assignor to Graphoscope Development Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 21, 1921. Serial No. 453,937. 3 Claims. (Cl. 74—26.)



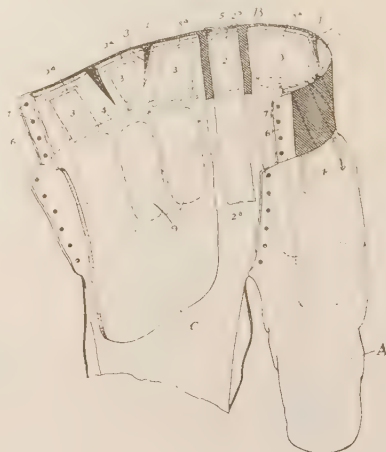
1. A drive of the character described, comprising two wheels of different diameters arranged to rotate about parallel axes located at a constant distance from each other, a floating wheel having an internal runway in engagement with the periphery of the smaller one of the first-named wheels, and a longitudinally-elastic endless transmission member in engagement with the outer surfaces of the floating wheel and of the larger one of the first-named wheels.

- 1,406,793. LACING TOOL. WILLIAM P. WHITLEY, St. Louis, Mo., assignor to Rawlings Mfg. Co., St. Louis, Mo., a Corporation of Missouri. Filed Oct. 15, 1920. Serial No. 417,163. 2 Claims. (Cl. 223—38.)



1. A lacing tool formed from a single length of wire having one end portion re-bent to form parallel hand-engaging portions, the other end portion extending downwardly, from said hand-engaging portions and terminating in an upwardly extending lace-engaging portion.

- 1,406,794. FOOTBALL TROUSERS. WILLIAM P. WHITLEY, St. Louis, Mo., assignor to Rawlings Mfg. Co., St. Louis, Mo., a Corporation of Missouri. Filed Feb. 7, 1921. Serial No. 443,058. 11 Claims. (Cl. 2—122.)



1. A pair of foot ball trousers provided at their upper ends with an attached kidney, rib and spine pad composed of a number of substantially rigid sections connected together by elastic material.

- 1,406,795. SHOULDER BRACE. RALPH A. WILLIAMS and ALBERT J. WAGNER, Beloit, Wis. Filed July 21, 1921. Serial No. 486,551. 5 Claims. (Cl. 2—93.)



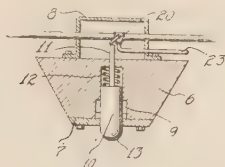
1. A shoulder brace comprising a body encircling member, a pair of upstanding bracing members carried by said member and extending upwardly across the forward portion of the body and chest and having their upper ends directed inwardly toward each other and terminating adjacent the shoulders and bearing against the chest.

- 1,406,796. GARMENT SUPPORTER. JAMES PATTERSON WILSON, San Francisco, Calif. Filed Mar. 27, 1920. Serial No. 369,243. Renewed Nov. 2, 1921. Serial No. 512,386. 1 Claim. (Cl. 24—245.)



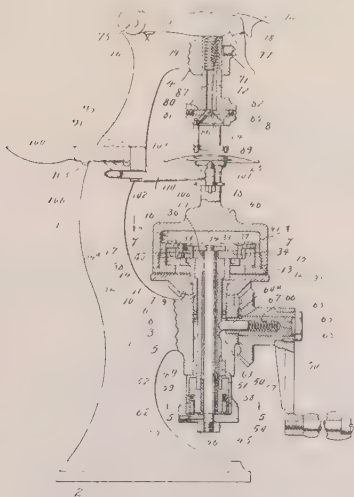
A garment supporter including a tape, a clasp provided with a hinged tongue secured to said tape, said clasp presenting a plurality of openings, said tape being threaded through said openings and around the point of hinged connection of said tongue to said clasp, and a button secured to the outer end of said tape and being adapted to co-operate with the tongue of said clasp.

1,406,797. AUTOMATIC TRAIN-STOP MEANS. WILLIAM J. WIRT, Breckenridge, Minn. Filed July 9, 1921. Serial No. 483,589. 1 Claim. (Cl. 246—192.)



In automatic train stop means, the combination of a casing adapted to be carried by a locomotive or car, a sub-casing arranged above the first-named casing, a trigger valve arranged in the sub-casing and adapted when opened to exhaust air under pressure from a train pipe to the atmosphere, a rectilinearly movable plunger guided and held against turning about its axis in the first-named casing and having an upwardly extending portion adapted on upward movement of the plunger to open the trigger valve, and strong spring means relatively arranged to yieldingly hold the plunger against upward movement.

1,406,798. LENS-CUTTING MACHINE. OTTO WITTEL, Mount Vernon, N. Y., assignor to General Optical Company, a Corporation of New York. Filed June 2, 1920. Serial No. 386,035. 52 Claims. (Cl. 33—28.)

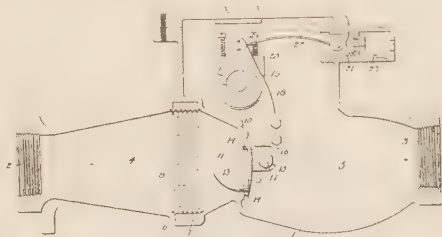


1. In a lens cutting machine, a frame, a lens table, means for supporting the table upon the frame and for imparting thereto a rotary movement and simultaneously also a prescribed movement within its plane, and clamping means carried by the frame comprising two sections, one of which is movable upon the other and in contact with the lens when the clamping means is effective.

1,406,799. VALVE. ALBERT B. WOOD, New Orleans, La. Original application filed May 31, 1916, Serial No. 100,845. Patent No. 1,339,997, dated May 11, 1920. Divided and this application filed Mar. 16, 1920. Serial No. 366,393. 4 Claims. (Cl. 251—124.)

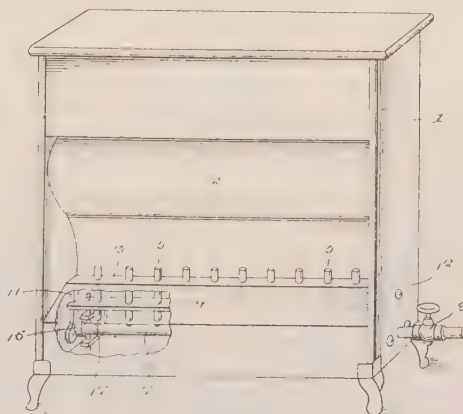
1. In a valve, the combination of a circular valve seat, a spherical-section-shaped valve whose radius is no greater

than the radius of the seat, a base to which said valve is connected, the radius of the base being no greater than the



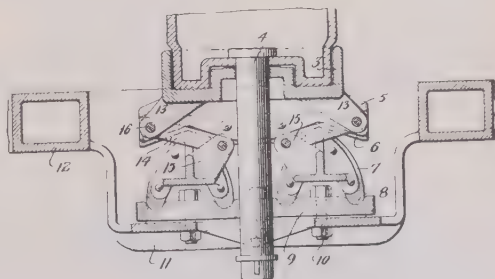
radius of the seat and lugs extending from the base to engage the seat when the valve is in position.

1,406,800. GAS STOVE. THOMAS E. WOOD, Amarillo, Tex. Filed Mar. 2, 1921. Serial No. 448,987. 4 Claims. (Cl. 158—106.)



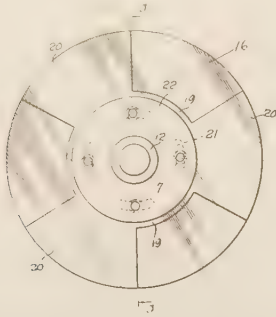
1. In a gas stove, the combination of a casing or body, a tubular gas supply conduit therein and having a plurality of eduction apertures, a battery of tubular gas burners vertically adjustable in the casing or body and arranged with the burners in alinement with said apertures, and a screw bearing in means connected with the casing or body and engaging the battery of burners and having a finger piece or handle accessible at the bottom of the stove.

1,406,801. CENTERING DEVICE FOR TRUCKS. WILLIAM E. WOODARD, Forest Hills, N. Y. Filed Apr. 23, 1920. Serial No. 375,967. 10 Claims. (Cl. 105—189.)



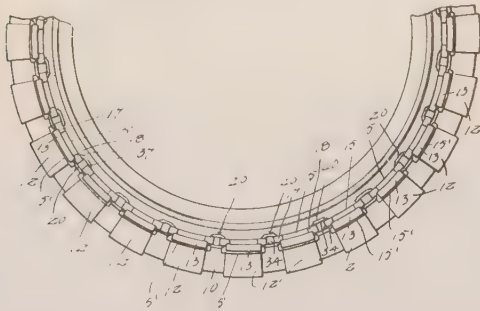
1. A double end centering device rocker for trucks having a body portion of relatively soft metal with attaching faces on its ends and centering devices of relatively hard metal secured to the ends of said body portion.

1,406,802. SAFETY SHUTTER FOR MOVING-PICTURE APPARATUS. BENJAMIN L. YOUNG, St. Joseph, Mo. Filed Jan. 19, 1921. Serial No. 438,422. 5 Claims. (Cl. 88—19.3.)



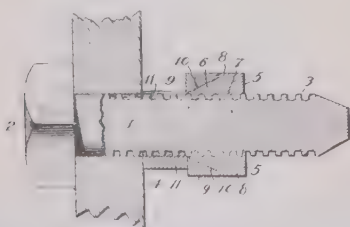
1. A safety shutter for moving picture machines, which comprises a rotating metallic disk having a plurality of spaced vanes in combination with a solid disk of optically transparent material spaced adjacent the metallic disk and moving therewith.

1,406,803. TIRE PROTECTOR. LEONARD E. ALBOTT, Augusta, Kans. Filed Dec. 21, 1920. Serial No. 432,298. 5 Claims. (Cl. 152—46.)



4. In a tire protecting device, a series of tread members each provided with flanged portions, slotted plates through which the respective flanged portions extend, said plates being oppositely located in approximately the same plane, hooks on the plates extending toward each other on the individual plate members and opposite to each other on adjacent plate members in a circumferential direction, and angular links for connecting the hooks, the links being longer in one direction than in the other, the links being each provided with recesses within which the hooks to be connected are retained when tension is produced circumferentially of the wheel mounting the tire to be protected.

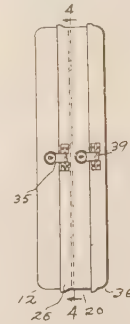
1,406,804. QUICK-RELEASABLE NUT AND BOLT. WILLIAM S. ALEXANDER, Elsmere, Del. Filed June 23, 1920. Serial No. 391,119. 6 Claims. (Cl. 85—1.)



1. A quick releasable nut and bolt comprising a threaded bolt, a washer provided with a tapered opening through

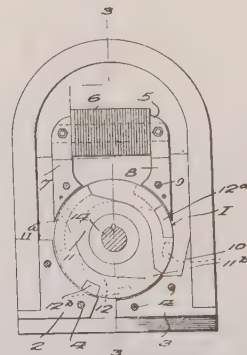
which the bolt passes, and a sectional nut, said nut having a tapered shank adapted to be received in the tapered opening of the washer and rotatable independently of the washer.

1,406,805. SAFE FOR TIRED WHEEL RIMS. WILLIAM T. ANDERSON, Cleveland, Ohio. Filed Apr. 16, 1921. Serial No. 461,873. 11 Claims. (Cl. 224—29.)



1. In a safe of the character indicated, a rearward section having an interior chamber which is adapted to receive a tired wheel-rim and extends to the forward extremity of said section and has a rear end wall, an intermediate section hinged to said rearward section and forming a door for controlling access to said chamber and having formed therein a chamber which is adapted to receive a tired wheel-rim and extends to the forward extremity of said intermediate section, means for locking said intermediate section in its closed position to the rearward section, a forward section hinged to said intermediate section and forming a door for controlling access to the last-mentioned chamber, and means for locking the forward section in its closed position to the intermediate section.

1,406,806. ELECTROMAGNETO MACHINE. HILMAR AMANDUS ANDRESEN, Erie, Pa. Filed Nov. 19, 1918. Serial No. 263,189. 10 Claims. (Cl. 171—209.)

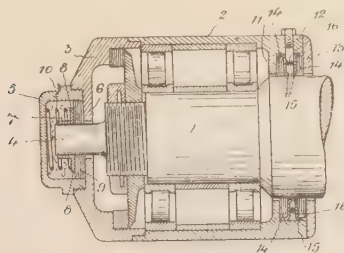


5. In a magneto electric generator, magnet poles, armature poles and means for effecting rapid reversal of magnetic flux comprising a movable inductor with pole tips of unequal arcuate lengths co-operating with air gaps of unequal length between the magnet poles and adjacent armature poles.

1,406,807. ROLLER OR BALL BEARING FOR ELECTRICALLY-DRIVEN VEHICLES AND THE LIKE. HILDEG KNUSSON ÅNGSTRÖM, Malmö, Sweden. Filed July 2, 1921. Serial No. 482,099. 4 Claims. (Cl. 105—49.)

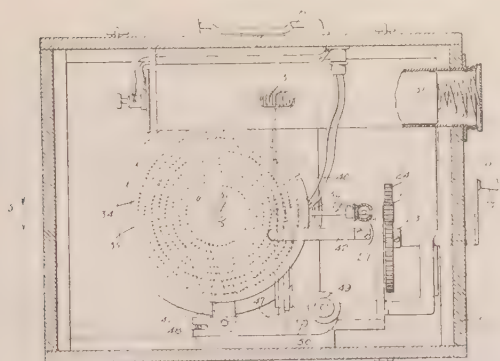
1. An arrangement of the character described comprising a journal box, a shaft journaled therein, a ring-shaped

and fixed contact member arranged around a part rotating with the shaft, said part forming a rotating contact member, a chamber surrounding both of the contact mem-



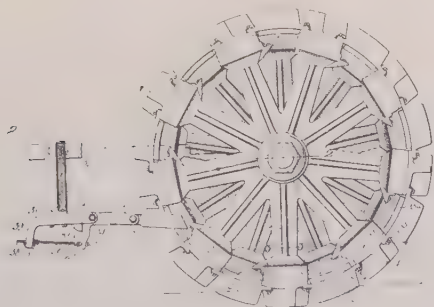
bers and an electric conductive material, arranged within said chamber in constant contact with both of the contact members.

1,406,805. MOTION-PICTURE APPARATUS. ORAZIO ANTONELLI, Brooklyn, N. Y. Filed Mar. 15, 1921. Serial No. 452,484. 7 Claims. (Cl. 88—18.8.)



1. A motion picture apparatus, including a rotatable shaft, a film adapted to be removably secured to one end of said shaft, a disk secured to the opposite end of said shaft, and means for intermittently rotating and swinging said disk.

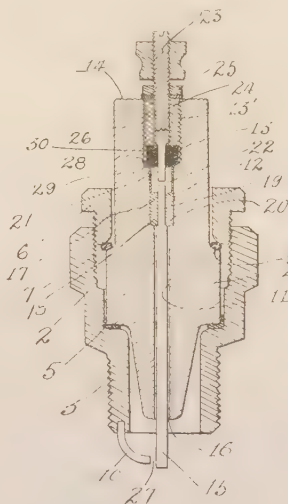
1,406,809. TRACTOR WHEEL AND SCRAPER. FRANK P. ARNOLD, Watkins, Minn. Filed Oct. 8, 1920. Serial No. 415,643. 7 Claims. (Cl. 30—41.)



7. A tractor wheel including a rim portion comprising peripheral lugs and separate supporting means radially in-

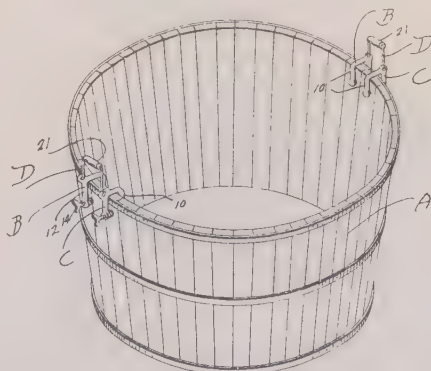
ward from said lugs and supporting the same, there being clear spaces between said separate supporting means, said spaced means constituting a second annular series of lugs radially inward from the peripheral lugs and projecting from the peripheral surfaces of the said supporting means.

1,406,810. SPARK PLUG. JOHN M. ATWATER, Chicago, Ill. Filed Apr. 29, 1920. Serial No. 377,668. 6 Claims. (Cl. 123—169.)



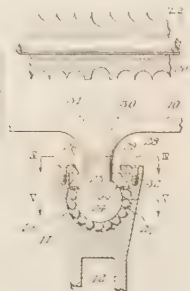
1. A spark plug construction embodying therein an insulator element, upper and lower electrodes arranged therein and positioned to form a gap therebetween, an impervious metallic shell positioned in said insulator surrounding said gap and forming a chamber adapted to exclude gases inimical to the condition desired in the space surrounding said gap, and means insulating said upper and lower electrodes one from the other.

1,406,811. DETACHABLE HANDLE FOR CONTAINERS. JOSEPH BACHRIK, Smithdale, Pa. Filed Aug. 5, 1920. Serial No. 401,447. 3 Claims. (Cl. 16—114.)



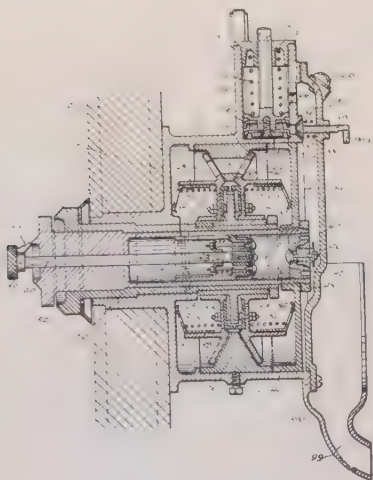
2. In a detachable handle, the combination of a pair of clamps, each of said clamps having a rigid stationary jaw, and an adjustable jaw, a handle comprising a hand gripping portion, and a pair of legs, said legs being pivotally connected in defined relation to said clamps and independent of said clamps' engagement with an article.

1,406,812. TROLLEY-WHEEL HARP. EDWARD BACZENSKI, Hamtramck, Mich. Filed Sept. 15, 1921. Serial No. 500,738. 5 Claims. (Cl. 191—60.1.)



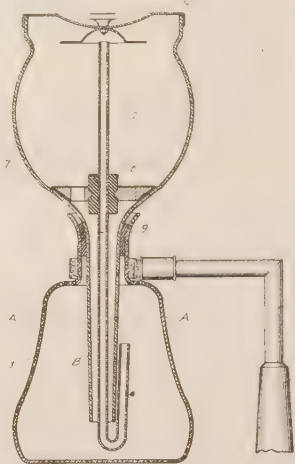
5. A device of the class described comprising a trolley pole having a head at its free end with a spherical chamber in said head opening at the free end thereof and provided with a side entrance notch, an annular cap upon said end of the head overlying said notch, and having an outwardly flared central opening communicating with the chamber, a spherical bearing member within said chamber, a plurality of anti-friction balls within the chamber surrounding the bearing member, a harp having an upright portion carried by the spherical bearing member and freely projecting through the opening in the cap, a self-returning trolley wheel journaled in the harp, oppositely positioned springs carried by the cap having arcuate portions frictionally engaging the adjacent opposite sides of the harp whereby the upright portion of the harp is normally positioned in axial alignment with the head of the trolley pole.

1,406,813. BANK, SAFE, AND VAULT LOCK AND THE LIKE. LOUIS BAILLY, Columbus, Ohio. Filed Feb. 21, 1921. Serial No. 446,738. 14 Claims. (Cl. 70—18.)



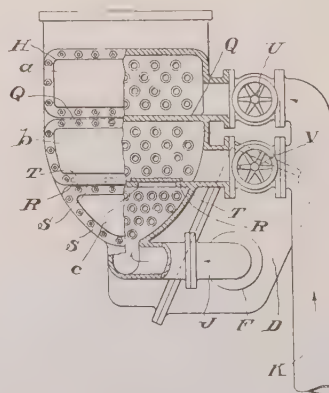
1. A fluid lock including a housing forming a fluid casing, a fluid pumping means therein, a piston actuated lock controlling member operated and controlled by the fluid from said pumping means, and a plurality of manually actuated members shiftable to establish and cut off the passage of fluid from the pumping means to the said piston actuated member.

1,406,814. COFFEE PERCOLATOR. LEWIS S. BAKER, Ossining, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 4, 1921. Serial No. 434,919. 5 Claims. (Cl. 53—3.)



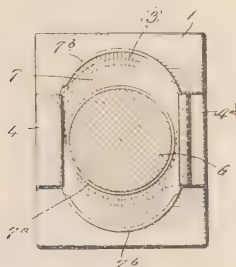
1. A coffee percolator comprising a boiling vessel, a steeping vessel, a tube connecting the steeping vessel with the boiling vessel, and means for automatically causing the major portion of the liquid to pass from the boiling vessel to the steeping vessel and to collect there and then to pass back to the boiling vessel successively and repeatedly.

1,406,815. COMPARTMENT SURFACE CONDENSER. PAUL A. BANCEL, Nutley, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 9, 1920. Serial No. 422,797. 2 Claims. (Cl. 257—43.)



1. A surface condenser comprising a shell having tubes, water inlet and discharge boxes at each end of the shell divided into opposite compartments by horizontal partitions, the lower partition having passages and closing covers for said passages, separate removable covers for said compartments, an inlet pipe for the inlet box, a discharge pipe for the discharge box, and inlet and discharge valves for each of said compartments.

- 1,406,816. DUST GUARD FOR JOURNAL BOXES. FRANK S. BARKS, St. Louis, Mo. Filed Nov. 15, 1920. Serial No. 424,059. 4 Claims. (Cl. 64—22.)



1. In a journal box, a dust guard of sheet material, stiffening flanges at opposite edges thereof, and unflanged edges projecting outwardly beyond the ends of said flanges and recesses in the body of said journal box adapted to slidably receive said unflanged edges.

- 1,406,817. GAS GOVERNOR. CLARENCE E. BARNES, Warren, Ohio. Filed May 15, 1920. Serial No. 381,640. 2 Claims. (Cl. 236—50.)

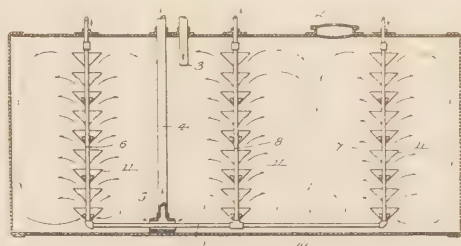


1. The combination with a melting pot for metals of a casing providing a chamber having an inlet and outlet port, a tube closed at the lower end extending downwardly into the pot and having its upper end opening into the casing, a thermal responsive liquid in the tube and casing and stopping short of the chamber, and a plurality of superposed balls within the casing floated upon the liquid, the upper being adapted to approach the outlet port and vary the overflow.

- 1,406,818. APPARATUS FOR AGITATING AND HEATING MOBILE MATERIAL. LINDON WALLACE BATES, Mount Lebanon, N. Y. Filed Dec. 10, 1919. Serial No. 343,983. 11 Claims. (Cl. 257—76.)

3. In an apparatus of the character specified; the combination of a tank; a supply pipe; an outlet pipe; a heat

conducting pipe located within the tank; and a series of heat conducting deflectors carried by said last named pipe



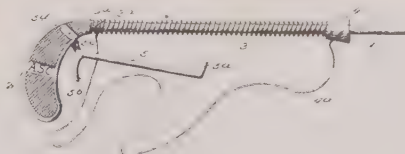
on its outer surface, said deflectors in part at least being provided with openings located away from the center extending therethrough.

- 1,406,819. BAND COMB. WILLIAM S. BECHTOLD, Newark, N. J. Filed Aug. 18, 1921. Serial No. 493,191. 1 Claim. (Cl. 132—20.)



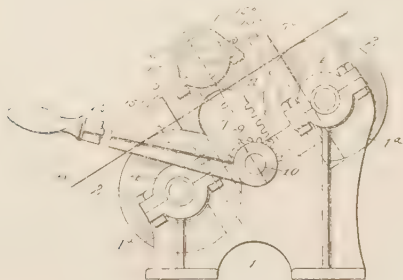
A one-piece curved band comb, comprising a body portion having teeth extending therefrom, said body portion being slit over a portion of its length near its upper edge and substantially midway of its ends and the slit portion separated from the remainder to afford an opening through which a ribbon or the like may be drawn and secured to the body portion.

- 1,406,820. TOY SMALL ARM. CHARLES WILLIAM BEISER, Brooklyn, N. Y. Filed Jan. 3, 1921. Serial No. 434,721. 7 Claims. (Cl. 46—59.)



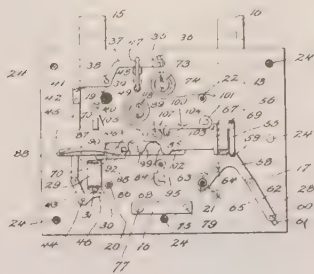
1. A toy small arm having a body composed of a solid metal stock and a solid metal barrel integral therewith and projecting therefrom, said stock having a trigger socket opening through its under edge near the barrel, a projectile-propelling spring loosely arranged on the barrel to propel a projectile slidable exteriorly on the barrel, and a trigger having a depending finger piece, an arm extending into said socket and pivoted to the stock, and an elongated forwardly extending stem with an upturned front end to hold the spring compressed.

- 1,406,821. FELT-CLEANING DEVICE FOR PAPER-MAKING MACHINES. EDWARD D. BENNETT, Pulaski, N. Y. Filed July 9, 1919. Serial No. 309,650. 9 Claims. (Cl. 92—50.)



1. In a felt-cleaning device for paper making machines, the combination of guiding means for the felt, a pipe provided with openings and adapted to have a fluid cleansing current created therein and through said openings for removing substances lodged in the felt, and means for moving said pipe at will towards the guiding means and into engagement with the felt to cause the latter to be pressed against the open side of the pipe.

- 1,406,822. SAFETY LOCK FOR TRUNKS AND THE LIKE. JOHN BRZEZICKI, Pittsburgh, Pa. Filed Sept. 15, 1921. Serial No. 500,800. 14 Claims. (Cl. 70—27.)

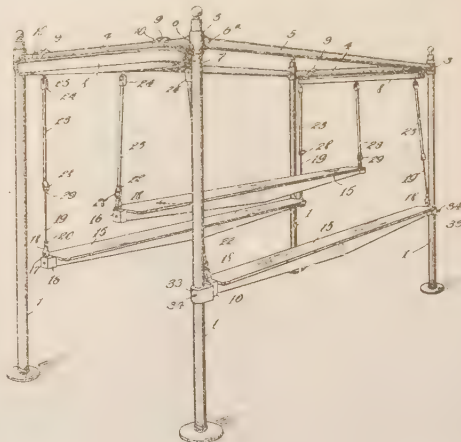


14. A lock comprising a plate having a slot, a hasp, a loop upon the hasp adapted for positioning through the slot, an automatic engaging lever for the loop releasable outwardly of the plate adapted for the initial locking of the hasp when closed upon the plate, a slidable lock bolt beneath the plate adapted for movement through said lock when the bolt is projected, means for projecting and retracting the bolt at will, an operating key for the bolt, a spring-releasing lever for the bolt mounted on the bolt within the path of movement of the key when turning in the bolt-projecting direction after the bolt is locked, engaging means for the lever when in its inoperative position, a combined post for the key and releasing means for the lever, the plate having a key hole slot with said combined means projecting therein and a normally closed releasable guard pivotally mounted overlying the slot outwardly of the plate.

- 1,406,823. FEEDING DEVICE FOR FLAT-WORK IRONERS. DANY D. CANFIELD, Nashville, Tenn. Filed Sept. 27, 1919. Serial No. 326,923. 15 Claims. (Cl. 214—1.)

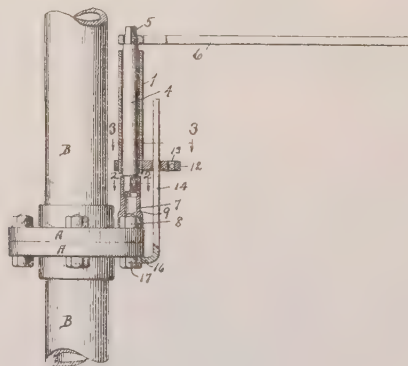
1. Feeding mechanism for ironing machines, comprising a guide having portions extending toward and away from

a working position, and a plurality of horizontal work supporting bars, each movable along both of said guiding



portions, said bars being also adjustable vertically toward and from said guide to pass over and under each other while moving along the same.

- 1,406,824. FLANGE WRENCH. ALVA L. DENNIS, Detroit, Mich. Filed Mar. 2, 1921. Serial No. 449,069. 1 Claim. (Cl. 81—55.)

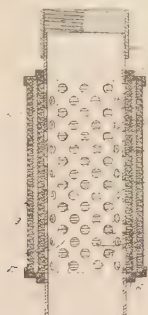


In a flange wrench, the combination of a tubular guide and a bracket attached thereto, said bracket being provided with a plurality of slots, a stem rotatably mounted in the tubular guide, a selected nut socket of a series removably attached to the inner end of the stem, a selected bolt holder of a series having a shank slidable in one of the slots in the bracket and having a claw on its outer end to receive the head of a bolt, and a screw to lock the bolt holder in the bracket.

- 1,406,825. OIL-WELL SCREEN. JOHN A. DOBSON, Goose Creek, Tex. Filed June 4, 1919. Serial No. 301,798. 2 Claims. (Cl. 166—8.)

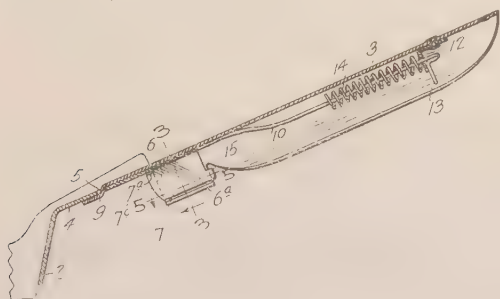
1. A screen of the class described comprising a perforated member, an inner screen surrounding said member,

a sheet of straining material surrounding said screen, an outer screen enclosing the sheet and inner screen to prevent



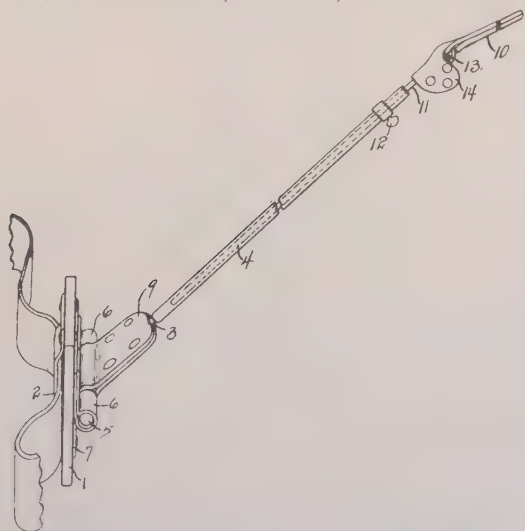
relative movement thereof and maintain the meeting edges of the sheet in closed relation.

1,406,826. DETACHABLE HANDLE FOR COOKING UTENSILS. THOMAS O. DUGGER, Bridgeport, Nebr. Filed Apr. 6, 1921. Serial No. 459,107. 8 Claims. (Cl. 53—7.)



2. The combination with a utensil having a slotted lip, of a handle having an offset tongue adapted to pass through the slot of the lip in pivotal relation to an edge thereof, and a spring-pressed bolt cooperating with the tongue to lock the handle on the lip by engagement with the under surface of the same, the bolt having a cam-face engaging with the lip to retract it against the resistance of its spring by pivotal movement of the handle.

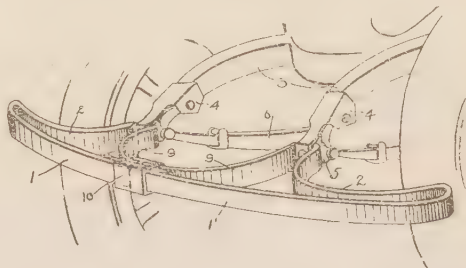
1,406,827. BELT GUN REST. ALLIE W. DUMAS, Fort Worth, Tex., assignor of one-half to Joseph Schober, Fort Worth, Tex. Filed Nov. 4, 1921. Serial No. 512,927. 7 Claims. (Cl. 42—94.)



4. A gun rest comprising a base member provided with means for engaging a belt, an extensible spacing rod,

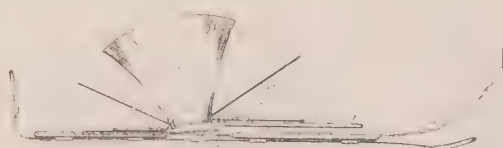
means for hingedly connecting said rod to said base member, a gun rest extending longitudinally under the gun to be supported and made of bendable material, and a rod connecting said rest to said spacing rod and serving as a pivotal bearing for permitting a vertical bending of said rest.

1,406,828. AUTOMOBILE FENDER. HARRY W. DYER, East Orange, N. J., assignor to Richard T. Newton, New York, N. Y. Filed Feb. 7, 1916. Serial No. 76,582. 19 Claims. (Cl. 293—55.)



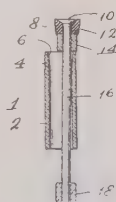
5. An automobile bumper comprising an impact member, spring supporting arms for the opposite ends thereof, and a mid support comprising strut-like spring arms slidably connected to the mid area of the impact member to afford a yielding strut-like resistance after initial deflection of said impact member.

1,406,829. EXPANSIBLE AND CONTRACTABLE LEAF BINDER AND COVERING MEMBER THEREFOR. WILLIAM H. EDWARDS, Grand Rapids, Mich. Filed Feb. 18, 1921. Serial No. 446,033. 4 Claims. (Cl. 129—41.)



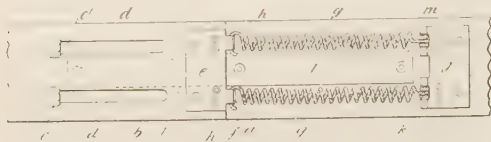
1. In a device of the character described; an expansible and contractable leaf-binder having oppositely disposed covers one of which has a sheath opening toward the other cover and said other cover having a flexible extension slidable in the sheath; a covering member having a flexible extension connected to the first-mentioned slidable extension and slidable within the sheath.

1,406,830. SELF-CLEANING DRAIN VALVE. FRED H. ETZENHOUSER, Mount Washington, Mo. Filed Oct. 11, 1920. Serial No. 416,052. 1 Claim. (Cl. 251—135.)



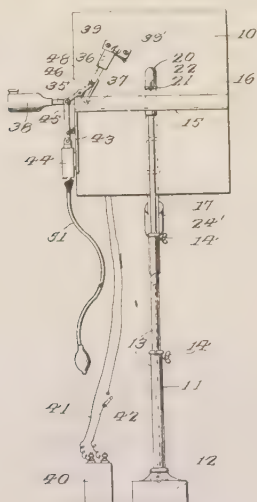
A valve consisting of a tubular member having a seat in its upper end, a valve plug adapted to close said seat or be held in open position by being engaged over the upper end of the tubular member, and a stem fixed at its upper end to said valve plug and extending downwardly through the tubular member so that it may be grasped and manipulated to open and close said valve plug.

- 1,406,831. PULLEY-BELT FASTENER. LEONARD GEORGE FALCON, Lucindale, South Australia, Australia. Filed Sept. 28, 1921. Serial No. 503,908. 10 Claims. (Cl. 24—31.)



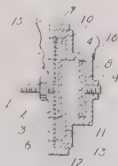
1. Means for fastening the ends of a pulley belt, said means comprising interconnected freely slidable parts on said ends and a resilient connection between said ends for automatically taking up slack and for yielding when said belt shrinks.

- 1,406,832. FLASH LAMP. LOUIS Z. FERNÁNDEZ, San Antonio, Tex. Filed Aug. 9, 1921. Serial No. 490,950. 9 Claims. (Cl. 67—28.)



1. In a flashlight apparatus, in combination with the shutter actuating mechanism of a camera, a holder for an inflammable charge, a torch, sparking points to ignite the torch, and means operated upon actuation of the shutter operating mechanism for energizing the sparking points and for moving said torch into contact with said inflammable charge.

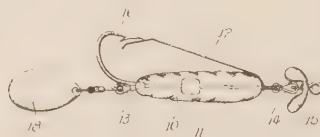
- 1,406,833. DEVICE FOR TRANSLATING THE EFFECTS OF SOUND VIBRATIONS INTO VARIATIONS IN AN ELECTRICAL CIRCUIT. CHARLES A. FINLEY, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 15, 1918. Serial No. 228,609. 2 Claims. (Cl. 179—122.)



1. A device for converting sound vibrations into variations in an electrical circuit comprising a cup member having a constricted outlet, a diaphragm forming a

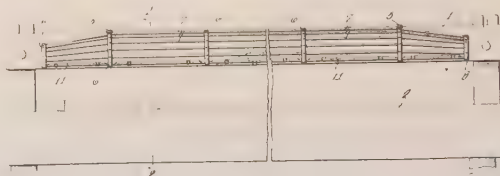
closure for the cup member, an electrode mounted on said diaphragm and a second electrode mounted in said cup, means for damping relative movement between said diaphragm and said cup member comprising a member of energy-absorbing material interposed between the electrode carried by the diaphragm and the cup and the viscosity of the air included between said cup and diaphragm, and means responsive to the relative movement between said electrodes for causing variations in an electrical circuit.

- 1,406,834. BAIT. CLARENCE B. FISHER, Chicago, Ill. Filed Nov. 6, 1920. Serial No. 422,144. 6 Claims. (Cl. 43—45.)



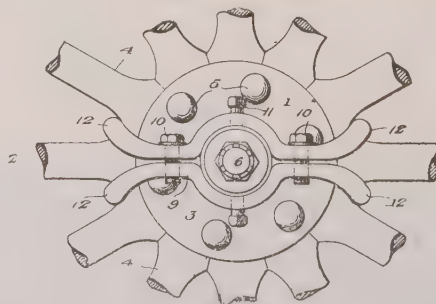
1. An artificial bait comprising a body, a fixed shaft extending therethrough with a snap at each end thereof, and spinners removably secured to the snaps, said spinners having means for securing a line thereto.

- 1,406,835. SHUTTLE GUARD FOR LOOMS. WILLIAM G. FISHER, Sunbury, Pa. Filed Sept. 26, 1921. Serial No. 503,413. 5 Claims. (Cl. 139—30.)



1. A shuttle trap for looms comprising a semi tubular structure having closed ends and arranged over the lay beam, said structure having in its lower side a plurality of shutters adapted to open inwardly.

- 1,406,836. HUB APPLIANCE FOR MOTOR VEHICLES. HARRY H. FITCH and ERNEST W. MILLER, Orange, Va. Filed Apr. 10, 1920. Serial No. 372,881. 1 Claim. (Cl. 301—111.)

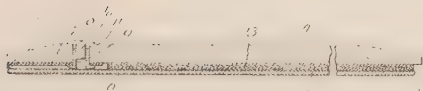


An emergency appliance for the purpose herein set forth, including two similarly constructed members each having a central outwardly rounded portion, binding elements carried by each of the rounded portions, binding elements between the straight portions outward of the rounded portions, said straight portions having their outer ends extended angularly away from each other and terminating each in a finger at right angles to the plane of the other portions, all as and for the purpose set forth.

1,406,837. LITHOGRAPHIC-INK COMPOSITION. FREDERICK CHARLES FITZGERALD, London, England. Filed Nov. 26, 1920. Serial No. 426,552. 13 Claims. (Cl. 134—35.)

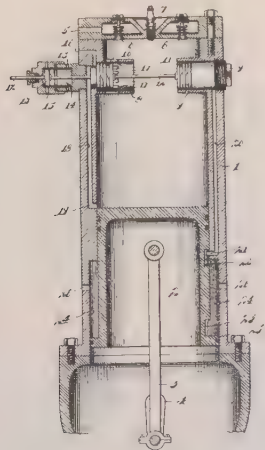
7. An additive for lithographic ink comprising glycerine, calcium chloride, potassium phosphate, carboic acid and liquid gum.

1,406,838. DESK PAD. GEORGE E. FOX, Chicago, Ill. Filed Mar. 21, 1921. Serial No. 454,272. 2 Claims. (Cl. 40—1.)



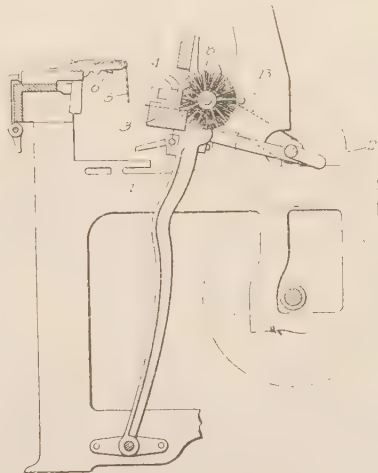
1. A desk pad, comprising a body, a ply of relatively stiff material covered by a ply of relatively flexible material extended at one edge to provide a flexible flap, and a glass plate attached adjacent one edge to said flap whereby a permanent hinged connection is provided between said body and said plate.

1,406,839. INTERNAL-COMBUSTION ENGINE. JOHN C. FREDRICKSEN, Miller, Ind. Filed Apr. 9, 1918. Serial No. 227,470. 4 Claims. (Cl. 123—92.)



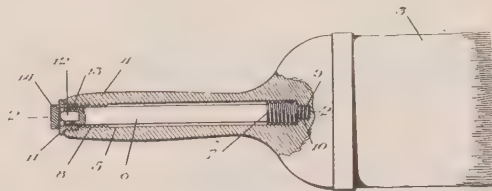
1. An internal combustion engine, comprising an engine cylinder and a reciprocating engine piston operating therein; transversely aligning valve cylinder in the walls of and projecting into said engine cylinder, there being an exhaust port connected with the outer end of one of said valve cylinders, and there being exhaust ports in the walls of said one-valve cylinder; valve pistons operating in said valve cylinders; a piston rod connecting said valve pistons; and a port and passage in the wall of said engine cylinder, controlled by the engine piston and communicating with the outer end of said one-valve cylinder; and automatic means for closing said one-valve substantially as described.

1,406,840. FILLING-GRATE-CLEARING MEANS FOR LOOMS. JOHN M. FREEMAN, Hickory, N. C. Filed Oct. 17, 1921. Serial No. 508,176. 5 Claims. (Cl. 139—18.)



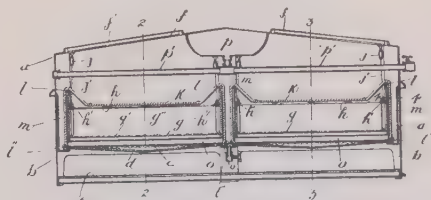
4. A loom filling-grate cleaning attachment comprising a bracket, a spindle carried thereby, a brush fixed on the said spindle, and a drive element for the spindle fixed thereto.

1,406,841. BRUSH HANDLE. ERNEST GILBERT FOSS, Rock Hill, N. Y. Filed May 4, 1921. Serial No. 466,798. 5 Claims. (Cl. 287—58.)



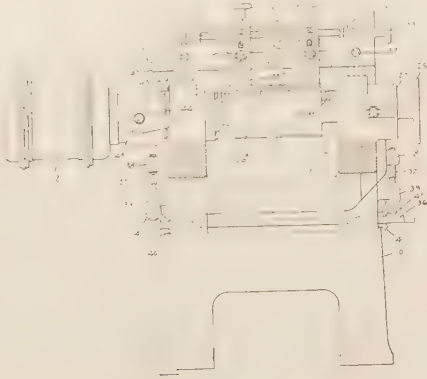
1. A main handle having a bore extending from one end, and an extension handle slidable in said bore to be partly withdrawn from and nested within the main handle, each of the handles having reversely screw-threaded portions so that the handles can be screw-threaded together in either position thereof.

1,406,842. EVAPORATIVE REFRIGERATOR. ROBERT JOHN GASKIN and HARRY MITCHELL TARRAS, Toronto, Ontario, Canada; said Tarras assignor of one-sixth of his interest to said Gaskin. Filed Sept. 9, 1920. Serial No. 409,224. 11 Claims. (Cl. 62—90.)



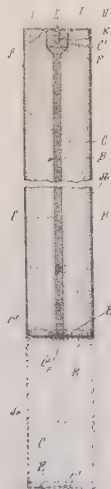
1. An evaporative refrigerator comprising a storage chamber having a door closed entrance, a bibulous cover within the storage chamber for the contents thereof, and means actuated by the door respectively lifting and lowering the cover during the opening and closing of the door.

1,406,843. CUTTER-HEAD SPINDLE FOR PLANERS AND MOLDERS. MONTE B. GATHMAN, Shelbyville, Ind., assignor to Anton Vonnegut, Indianapolis, Ind. Filed Aug. 6, 1920. Serial No. 401,621. 4 Claims. (Cl. 144—131.)



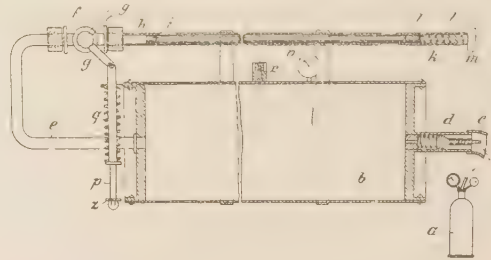
1. A carriage for motor driven molders having bearing openings on each side thereof and a central spaced portion in which the cutter head is adapted to revolve, a driving motor adjustably supported on one side of said carriage, a shaft removably connected to said motor on which said cutter head is rigidly secured, and a bearing secured to the end of said shaft opposite the motor and adapted to fit within the bearing opening of said carriage, said opening being large enough to permit the longitudinal removal of said bearing member shaft and cutter head therethrough as a unit.

1,406,844. TORPEDO FOR BLASTING PURPOSES. GEORGE E. GELM, Jamestown, N. Y. Filed Mar. 25, 1921. Serial No. 455,677. 4 Claims. (Cl. 102—4.)



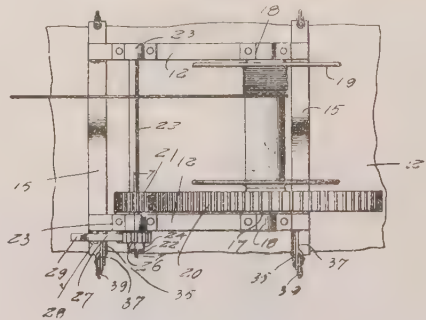
1. A torpedo for blasting purposes, comprising an elongated cylindrical casing closed at both ends, a main charge of high explosive contained in said casing, said main charge being provided with an axial perforation therein, and a chamber at the upper end of said perforation, a booster charge filling said perforation and said chamber, a detonator for said booster charge projecting into said chamber, and means for actuating said detonator, substantially as described.

1,406,845. TYPEWRITING MACHINE. JULES GERBE-HAYE, Tirmont, Belgium. Filed Feb. 19, 1921. Serial No. 446,355. 1 Claim. (Cl. 197—67.)



A carriage return mechanism for typewriters, comprising a tube arranged at the rear of a typewriter; a piston slidable in the tube, having one end projecting beyond the end of the tube, the typewriter carriage having a projection thereon, a sleeve mounted on the projection in axial alignment with the tube and having the projecting end of the piston slidably fitting therein, a disk slidable in the sleeve, a flexible connection between the disk and the line spacing mechanism on the typewriter carriage for operating said mechanism in the movement of the disk in the sleeve, a spring interposed between the disk and the projection on the carriage for cushioning the carriage with relation to the piston and permitting movement of the disk to operate the line spacing mechanism, an auxiliary air reservoir arranged in the rear of the typewriter having communication with the tube, a key controlled valve governing said communication to the tube, and a main reservoir for supplying air to the auxiliary reservoir, said auxiliary reservoir being adapted to contain a charge of air for operating the piston.

1,406,846. WIRE STRETCHER. FRANCIS J. GLEASON, St. Johnsbury, Vt. Filed Feb. 10, 1920. Serial No. 357,559. 2 Claims. (Cl. 254—162.)

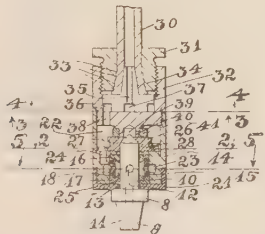


1. A stretcher of the class described having a frame, stretching mechanism, mounting members therefor, a support-engaging member integral with said members, a flexible securing element on the support-engaging member, a link secured to said support-engaging member, a lever pivoted to the link, a hook to detachably engage the securing member pivoted to the lever, and one of the mounting members having a recess to receive the free end of the lever.

1,406,847. LUBRICATING SYSTEM. RUTHERFORD G. GOLDMAN, Los Angeles, Calif. Filed Aug. 12, 1919. Serial No. 316,991. 23 Claims. (Cl. 284—19.)

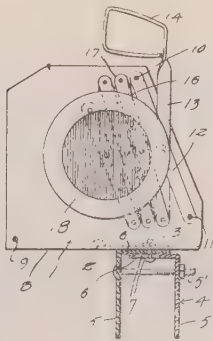
6. In a fluid pressure system, a smooth cylindrical nipple having a bore in the smooth cylindrical body to about its center and having another bore extending from one end of the cylindrical body to the first-named bore for communication, a valve casing slidably engaging over the nipple, the valve casing having a recess at its

open end and an annular recess within the cylindrical side of the first-named or main recess, conduits being provided extending from the annular recess to the inside of the valve casing, packing rings disposed within the main recess one on each side of the annular recess, a spacing ring being disposed within the main recess between the two packing rings spaced from the smooth body of the nipple having perforations communicating with the annular recess forming the communication from the inside of the valve casing to the discharge bore in the nipple,



a check valve disposed within the valve casing above the conduits having means for engaging with the nipple when the nipple is inserted into the valve casing adapted to allow a passing of fluid from the inside of the valve casing through the conduits to discharge from the nipple bore, the check valve also adapted to shut off the conduits when the nipple is not inserted in the valve casing, and a gland in the farther end of the valve casing having a bore step by step increasing to its end for engaging a hose tightly to the valve casing, all substantially as described.

1,406,848. CAUTION DEVICE FOR AUTOMOBILES. ORVIE GOLDSMITH, Millerton, N. Y. Filed July 22, 1921. Serial No. 486,697. 2 Claims. (Cl. 116—40.)

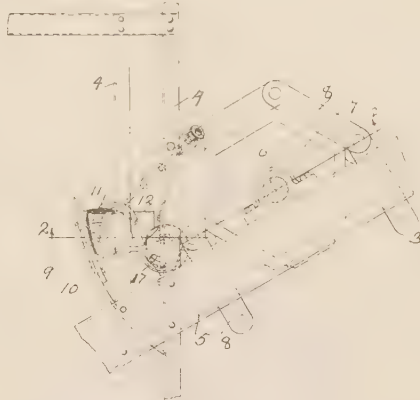


1. A caution signal comprising a casing, oppositely extending ears formed on said casing, relatively spaced plates having their upper ends bent to form attaching portions engaging said ears and bifurcated to provide pairs of arms arranged in overlapping relation, one pair of said arms having openings and the other pair of arms having slots, bolts extending through the openings of the ears and one pair of arms and the slots of the other pair of arms to adjustably connect the plates to the sides of an automobile and to the ears, and an indicator carried by said casing.

1,406,849. CLEANING DEVICE FOR EXCAVATORS. GEORGE H. GREIMANN, Garner, Iowa, assignor to Greimann Ditcher Company, Garner, Iowa, a Corporation of Iowa. Filed Nov. 5, 1920. Serial No. 421,899. 10 Claims. (Cl. 37—40.)

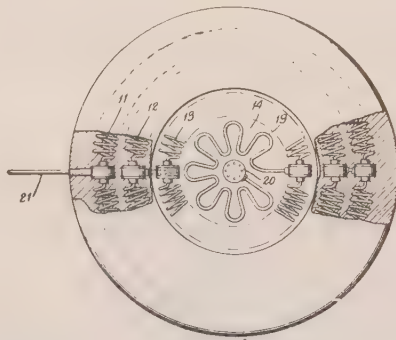
1. The combination with an endless carrier and spades or excavating blades carried thereby, of a spade cleaning

device comprising a spring arm equipped with a cleaning blade at one end and spirally coiled and anchored at its



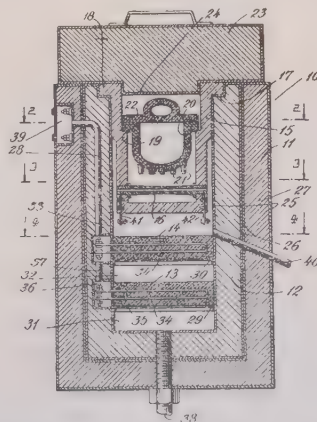
other end so that said cleaner blade is capable of approximately universal yielding movement under pressure in the cleaning action.

1,406,850. ELECTRIC STOVE OR HEATER. WILLIAM S. HADAWAY, Jr., New Rochelle, N. Y. Filed July 31, 1915. Serial No. 42,933. 35 Claims. (Cl. 219—37.)



1. A heater comprising a gas emitter, a tubular resistor connected thereto and adapted to receive water vapor, and means for supplying electric energy to the resistor.

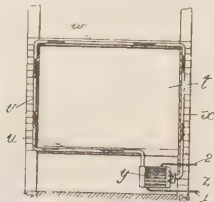
1,406,851. ELECTRIC STOVE OR FURNACE. WILLIAM S. HADAWAY, Jr., New Rochelle, N. Y. Filed Mar. 4, 1916. Serial No. 82,068. 29 Claims. (Cl. 219—35.)



1. A heating apparatus comprising a receptacle having a working chamber adapted to receive a body to be heated.

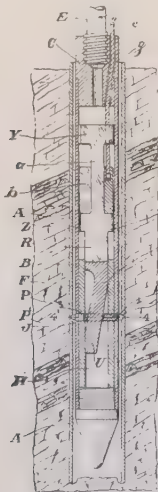
vapor heaters in the receptacle providing a plurality of successive chambers of which the working chamber is the last, and means for introducing vapor into the first chamber of the succession, whereby the vapor is heated in successive stages by the vapor heaters and is delivered to the working chamber at high temperatures.

- 1,406,852. HEATING AND COOLING OF BUILDINGS. WILLIAM NELSON HADEN and CHARLES INGHAM HADEN, Trowbridge, England. Filed Nov. 9, 1920. Serial No. 422,930. 1 Claim. (Cl. 257—8.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



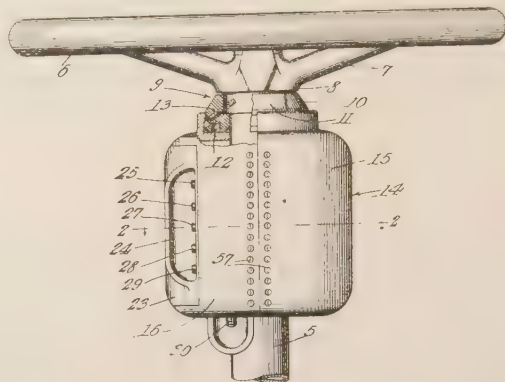
A means for varying the temperature of buildings, consisting in circulating a medium of appropriate temperature through a completely closed circuit including passages in the floors of the building, other passages in the walls of the buildings and connecting the passages of one floor to those of another floor, and an agent arranged in said circuit for maintaining a desired temperature of the circulating medium, and an accelerator for the circulating medium arranged in said circuit.

- 1,406,853. CASING-CUTTING TOOL. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 22, 1921. Serial No. 479,535. 3 Claims. (Cl. 81—195.)



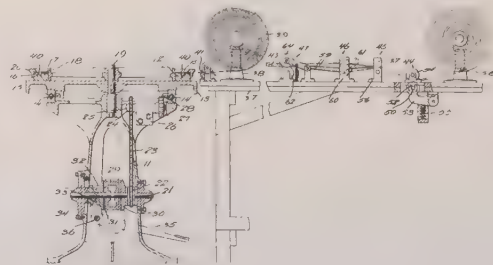
1. A casing cutting tool comprising a barrel adapted to be rotated in a well casing, oppositely disposed cutters mounted transversely in said barrel and normally held within the circumferential limits thereof, a wedge member engaging said cutters and a jar block adapted to intermittently forcibly engage said wedge member forcing the cutters outwardly whereby said cutters engage the well casing and cut a circular groove of increasing depth therein as the barrel rotates, separating a portion of the casing from the remainder.

- 1,406,854. AUTOMOBILE LOCK. ROBERT BRUCE HASTINGS, Pittsburgh, Pa. Filed Oct. 28, 1919. Serial No. 333,899. 5 Claims. (Cl. 116—33.)



1. In a steering wheel lock and signal, a casing, an element fixed to rotate with the steering wheel post, a locking bolt slidable in the casing and normally engaged with the rotatable element to retain the same against rotation, a plurality of detents in the casing, any selected one of which engages the bolt to retain the same against disengagement from the rotatable element, a plurality of push buttons, a vertically disposed trip bar pivoted to swing on a horizontal axis, a signal including a pivoted actuating arm disposed in the path of the trip bar, and a plurality of elements carried by the push buttons, any selected one of which being disposed to clear the trip bar, the other being disposed in the path of the trip bar whereupon actuation of their respective push buttons the trip bar will be moved to engage the arm to actuate the signal.

- 1,406,855. APPARATUS FOR MAKING TIRE BEADS. WILLIAM B. HARSEL, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Nov. 8, 1918. Serial No. 261,687. 17 Claims. (Cl. 154—9.)

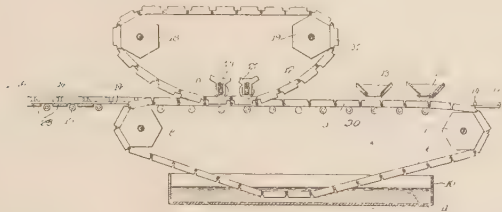


9. A machine for building a bead core, having means for forming a fabric filler strip, said means comprising devices for cutting the fabric into strips, a device for aligning the strips, and a device for pressing the aligned strips together to form the filler strip.

- 1,406,856. ROLLING APPARATUS FOR MAKING BUILDING BLOCKS. ARTHUR G. HATCH, Duluth, Minn. Filed Jan. 7, 1921. Serial No. 435,596. 2 Claims. (Cl. 25—99.)

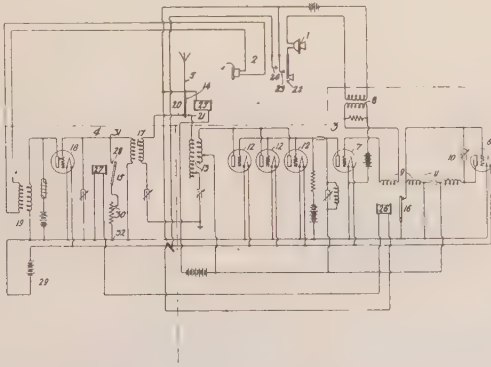
1. Apparatus for making building block comprising a conveyor, block-holding pallets removably carried by said

conveyor, a second mold carrying means adapted to bring the secondary molds into working relation with the pal-



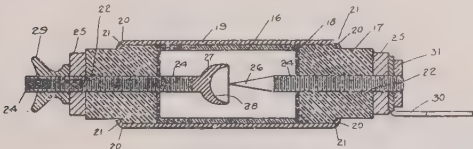
lets and conveyor, and a roll table in substantial alignment with the working run adapted to receive the pallets at the end of the working run of the conveyor.

1,406,857. WIRELESS SIGNALING. RAYMOND A. HEISING, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 26, 1916. Serial No. 127,922. 9 Claims. (Cl. 250—6.)



5. In a signaling system, an antenna, a receiver normally connected thereto, and a transmitter, means to disconnect said receiver from and to connect said transmitter to said antenna, and means to regulate the intensity of the side tone in said receiver.

1,406,858. VACUUM SPARK AMPLIFIER. GARRETT W. HENRICKS, Indianapolis, Ind., assignor of two-thirds to George F. Kreitlein, Los Angeles, Calif. Filed May 28, 1920. Serial No. 384,912. 2 Claims. (Cl. 123—148.)

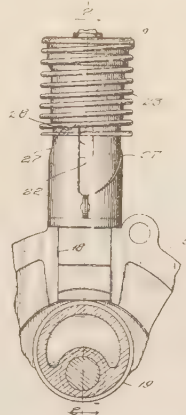


1. In a spark amplifier for the ignition system of an internal combustion engine including a pair of separated electrodes, one of said electrodes being pointed and the other substantially cup-shaped.

1,406,859. PUMP. PAUL S. HERRING, Chicago, Ill. Filed Apr. 13, 1917. Serial No. 161,871. 4 Claims. (Cl. 230—27.)

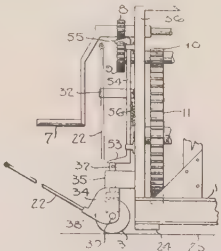
1. In an air pump, the combination of a cylinder having slots in the side thereof, a piston, a piston rod, a pin engaging with said rod and extending out through said slots,

a compression spring arranged around the outer circumference of the cylinder and engaging with said pin for mov-



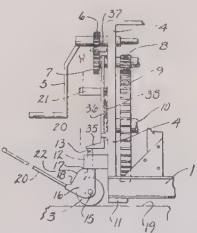
ing the piston in one direction, and a cam sleeve for moving the pin against the pressure of the spring and locking it in raised position.

1,406,860. PORTABLE ELEVATOR. ETHAN N. HESCOCK, Westfield, N. J., and ERNEST F. SMITH, Woodhaven, N. Y., assignors to New Jersey Foundry & Machine Company, a Corporation of New Jersey. Filed Feb. 16, 1920. Serial No. 358,870. 13 Claims. (Cl. 187—11.)



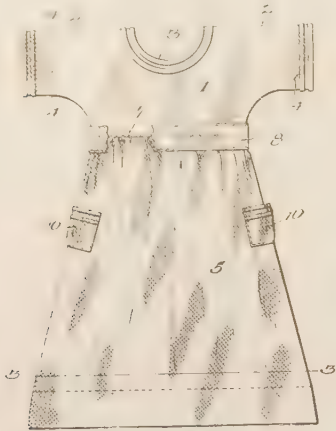
5. In a portable elevator, the combination of hoisting mechanism, locking mechanism, a castor wheel, a castor wheel yoke, a rotative member operated by the yoke, said member operating the locking mechanism.

1,406,861. PORTABLE ELEVATOR. ETHAN N. HESCOCK, Westfield, and ERNEST F. SMITH, Elizabeth, N. J., assignors to New Jersey Foundry & Machine Company, a Corporation of New Jersey. Original application filed Feb. 16, 1920, Serial No. 358,870. Divided and this application filed Mar. 17, 1921. Serial No. 453,003. 10 Claims. (Cl. 187—11.)



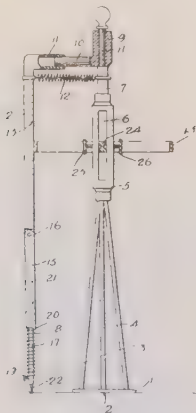
5. In a portable elevator the combination of hoisting mechanism, a lock for said hoisting mechanism, traction means including a swivel pin, said pin cooperating with the locking mechanism and means to raise and lower the elevator.

1,406,862. APRON DRESS. MARY EDITH HODGE, Wenona, Ill. Filed Oct. 8, 1919. Serial No. 329,198. 1 Claim. (Cl. 2—145.)



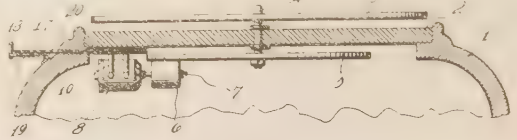
A reversible apron dress comprising a one-piece waist part of cruciform formed of a folded piece of material having a neck opening in the line of fold and having oppositely extending sleeve portions, a skirt part formed of two similar pieces of material sewed together along their side edges, the upper edges of the pieces of the skirt part being stitched to the lower free edges of the folded piece of which the waist part is formed, and a belt having its ends hanging downwardly and adjacent to each other, said belt being removably tacked to the front and back of the apron to accommodate it to the reversibility of the apron and arranged over the stitching between the waist and skirt parts.

1,406,863. DRAWING INSTRUMENT. SAMUEL HOFFMAN, JOSEPH SCHWARTZ, and ISIDORE HOLDEN, New York, N. Y. Filed Mar. 28, 1921. Serial No. 456,393. 2 Claims. (Cl. 33—27.)



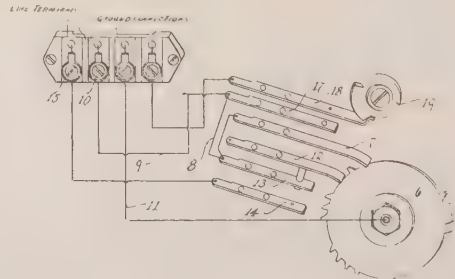
1. An ellipsograph comprising a standard, a scribing member carried by the standard adapted to move around the standard, a ring for guiding said scribing member, a bar rigidly connected with the ring and slidingly fitted in said standard, and a pair of clamping screws for clamping the bar in different positions whereby when said bar is moved longitudinally and bolted so that more of the ring will be on one side of the standard than the other and when the major portion of the ring is inclined downwardly a substantially true ellipse will be produced with the minor axis in proportion to the angle of said bar and the position thereof in respect to the standard.

1,406,864. DRIVER FOR DISK TALKING MACHINES. ROBERT LEWIS HOLLIMAN and JOHN WORTH COLLINS, Valdosta, Ga. Filed June 29, 1921. Serial No. 481,437. 3 Claims. (Cl. 74—26.)



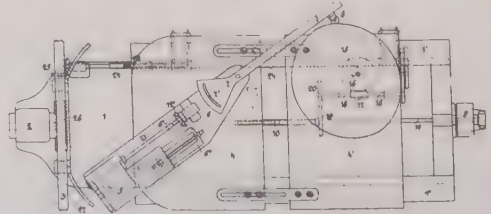
1. In a phonograph, an enclosing cabinet, a rotatable table arranged above the cabinet, an operating disk arranged within the enclosing cabinet and connected to said turn table, a guideway arranged in the enclosing cabinet in radial alignment with said disk, a carriage on the guideway, a motor mounted on the carriage and having a shaft projecting radially with respect to the disk and in overlapping relation thereto, a drive member carried by the shaft and arranged to engage the side of said disk, and a shifting member slidably mounted through the wall of said enclosing cabinet and connected to said carriage and projecting over the wall of said cabinet whereby the shifting member may be manually operated for sliding the carriage with its motor and gear member relatively to the disk.

1,406,865. SIGNAL TRANSMITTER. RICHARD M. HOPKINS, Rutherford, N. J., assignor to American District Telegraph Company, Jersey City, N. J., a Corporation of New Jersey. Filed Oct. 10, 1919. Serial No. 329,730. 2 Claims. (Cl. 177—378.)



1. A signal transmitter comprising a single toothed signal wheel, and means for driving same, in combination with two separate contact devices arranged to be engaged by the teeth of said signal wheel, one of said contact devices comprising an actuating element by engagement of which with the teeth of said signal wheel that contact device is operated, the other of said contact devices arranged to engage said teeth during periods when the actuating element of the first mentioned contact device is between teeth of said signal wheel and is not being actuated by said teeth.

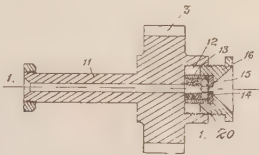
1,406,866. MILLING MACHINE. GUIDO HORN, Berlin-Weissensee, Germany. Filed May 16, 1919. Serial No. 297,713. 16 Claims. (Cl. 90—13.9.)



1. Milling machine, comprising, in combination, a table for the work to be wrought upon, feeding mechanism for

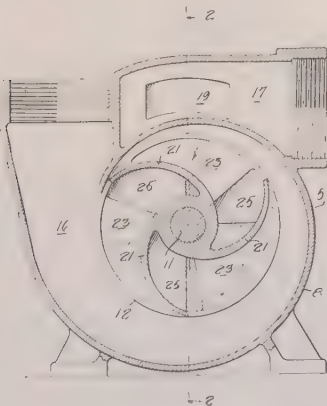
said table, a milling spindle adapted to receive a milling tool, an oscillatory carrier for said milling spindle and adapted to be cam controlled, the axis of oscillation of said carrier being disposed at a right angle to the axis of said spindle, a revoluble cam for said carrier to control its oscillatory movement, feeding mechanism for said cam, said second named mechanism operating in timed relation to said first named mechanism, actuating means for said milling spindle, and means in connection with said second named mechanism for altering the ratio of speed between the feed of said cam and the feed of said table, whereby the contour of said cam may be reproduced more than once within the course of the complete cam contour to be produced upon the work.

1,406,867. MEANS FOR DRAWING WIRE AND ROD.
MARK HOWARTH, Padgate, Warrington, England. Filed Sept. 30, 1919. Serial No. 327,524. 1 Claim. (Cl. 80—40.)



A machine for drawing wire and rod including a rotatable cylindrical body member having an axial bore and formed with an enlarged annular toothed portion adjacent one end and said end being formed with an enlarged annular recess, means engaging the toothed portion for rotating the member, a sleeve adapted to fit against the end wall of the recess, being of larger diameter than said bore and concentric thereto, a plurality of balls carried in the sleeve, a packing element in the sleeve for holding the balls in position, a thrust plate formed with a central opening mounted over the open end of the sleeve, and a locking member having threaded engagement with the body member and formed with a central opening, for locking the sleeve and thrust plate in position.

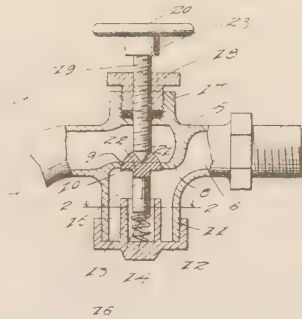
1,406,868. PUMP. JULIAN B. JENSEN, Alameda, Calif. Filed May 6, 1920. Serial No. 379,225. 8 Claims. (Cl. 253—191.)



1. A pump comprising a casing having a suction and a delivery chamber, an impeller rotatably mounted therein, a radially disposed vane and a dextrorsally disposed end plate formed on said impeller, and a sinistrorsally disposed passage in the suction chamber adjacent said impeller.

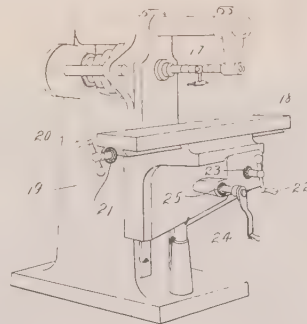
295 O. G.—25

1,406,869. VALVE. DANIEL C. JESTER, Coleman, Ga. Filed Nov. 7, 1916. Serial No. 129,992. 1 Claim. (Cl. 251—140.)



A valve having a casing with a control port therein and a valve chamber below the same, a closure for said chamber, said closure having an inwardly extending tube, a valve for the port having a head provided with a spherical surface and a stem extending from the head into the tube, said valve having its seat at said port and the wall of the seat being shaped to correspond to the spherical wall of the head so that the valve will be self centering, said tube being enlarged relatively to the stem to permit substantially universal movement of the valve, and a depressible operating means for and independent of said valve to avoid undue interference with the seating of the valve.

1,406,870. ATTACHMENT FOR MILLING MACHINES.
BERNARD F. JOHNSON, Jersey City, N. J. Filed June 7, 1920. Serial No. 386,972. 9 Claims. (Cl. 33—189.)

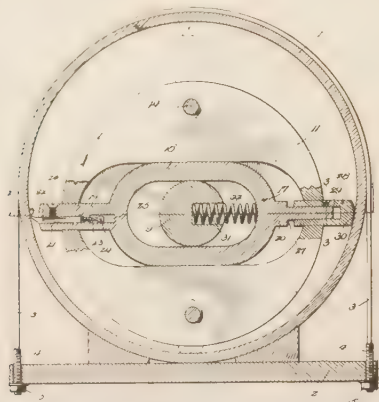


1. An attachment for milling machines or the like provided with an arbor, said attachment comprising an arm having a plurality of intersecting apertures in one end thereof through any of which said arbor of the machine may pass for the purpose of securing the arm to the arbor, and a marking device carried by the other end of the arm.

1,406,871. DEVICE FOR BORING ENGINE CYLINDERS.
LOUIS V. JOHNSON, Fort Worth, Tex. Filed July 24, 1920. Serial No. 398,631. 2 Claims. (Cl. 77—61.)

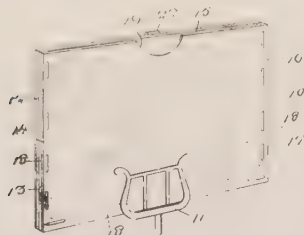
1. In a device of the class described, a rotatable shaft, a head fixed upon the shaft for rotation therewith and interiorly chambered and provided at its periphery with oppositely located openings communicating with the chamber; a yoke shiftably mounted in the chamber and transversely of the shaft, a shank extending from one end of the yoke and through one of the said openings for the support of a cutting tool, a shank extending from the other

end of the yoke and through the other opening, and a nose carried by the last-mentioned shank, the walls of the



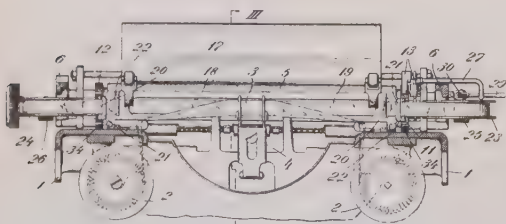
openings in the head supporting and steadying the shanks of the yoke relatively close to their outer ends whereby to prevent chattering of the tool.

1,406,872. SHEET-MUSIC HOLDER. ROBERT G. JOHNSON, Los Angeles, Calif. Filed Mar. 23, 1920, Serial No. 368,006. Renewed July 5, 1921. Serial No. 482,561. 3 Claims. (Cl. 45—58.)



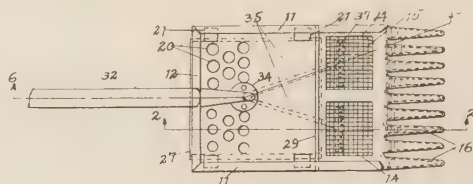
1. A sheet music holder embodying a sectional base or back, means for securing the sections together in a manner to permit of their being folded one upon the other, a transparent sheet receiving pocket formed upon said base or back, and a removable stiffening member for maintaining the holder in unfolded position.

1,406,873. TYPEWRITING MACHINE. ERNST JUCKER, Zurich, Switzerland. Filed Dec. 9, 1919. Serial No. 343,681. 3 Claims. (Cl. 197—153.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



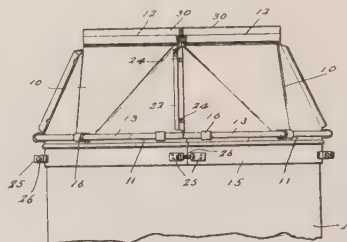
1. In a type-writing machine, the combination with a cylindrical platen, ratchet wheels at each end thereof and a main paper guide; of an auxiliary paper guide included between said platen and main guide, and detents at the ends of said auxiliary guide engaging the teeth of said wheels.

1,406,874. BERRY PICKER. JOHN ARTHUR KAYE, Sault Ste. Marie, Ontario, Canada. Filed Apr. 14, 1920. Serial No. 373,882. 2 Claims. (Cl. 56—330.)



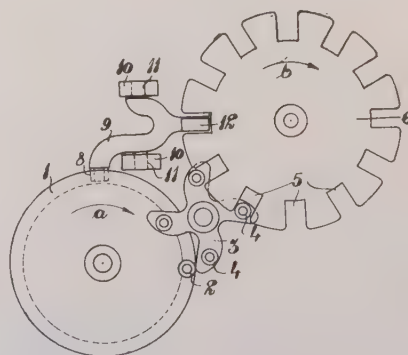
1. In a berry picker, the combination with a handle, of a metallic body portion having a bottom and side walls formed from a single piece of metal, the bottom being forwardly projected and cut to form a plurality of integrally attached fingers, flanges projecting from said fingers, said bottom being also provided with screen covered openings through said bottom rearwardly of said fingers, a receptacle removably attached beneath the rear portion of said body portion, said body having a plurality of openings communicating with said receptacle, an opening through the bottom of said receptacle, means for closing said opening and means for securing said handle to said body portion, substantially as described.

1,406,875. FURNACE-CASING TOP. ERNST KREUTZBERG and FRED MOULTON, Marine, Ill. Filed July 12, 1920. Serial No. 395,608. 2 Claims. (Cl. 126—119.)



1. A furnace casing top comprising a plurality of similar sections each formed at its lower edge with a depending portion adapted for engagement with a furnace casing and each having its upper edge formed with a flange, interengaging flanges formed at the adjacent edges of the sections and adapted for connection whereby the sections may be united to define a closed structure, and a top detachably connected with the flanges at the tops of the sections.

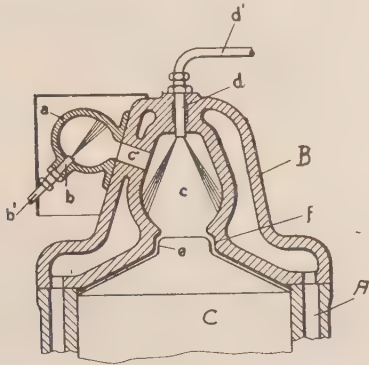
1,406,876. MEANS FOR MOVING CINEMATOGRAPHIC FILMS. ERNST AXEL LARSSON, Älvdalen, Sweden. Filed Apr. 16, 1920. Serial No. 374,367. 4 Claims. (Cl. 74—41.)



1. In means for moving cinematographic films, the combination of a disc secured to the film feeding roller and

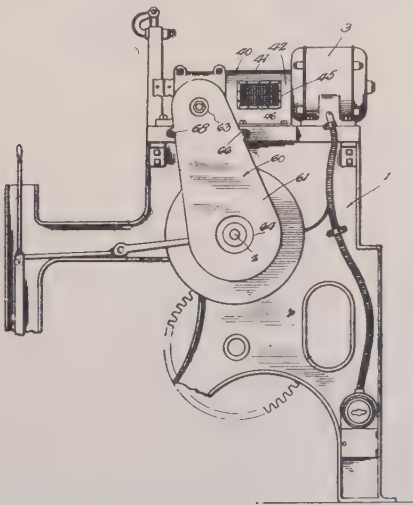
having recesses at its circumference, a rotary member provided with projections in driving connection with the recesses of said disc, another rotary member in intermittent driving connection with said projections, and a stop device in driven connection with the last mentioned rotary member and in intermittent stopping engagement with the said disc.

1,406,877. INTERNAL-COMBUSTION ENGINE. JOSEF LÉMAIRE, Köln-Dellbrück, Germany. Filed May 27, 1921. Serial No. 473,034. 5 Claims. (Cl. 123—32.)



1. An internal combustion engine comprising a cylinder, a piston movable in the cylinder, a cylinder head, a combustion chamber, an ignition chamber and cooling means for the cylinder and its head, a fuel nozzle mounted in the wall of the ignition chamber and adapted to inject a constantly equal quantity of fuel into the ignition chamber, and another fuel nozzle mounted in the wall of the combustion chamber and adapted to inject a variable quantity of fuel into the combustion chamber.

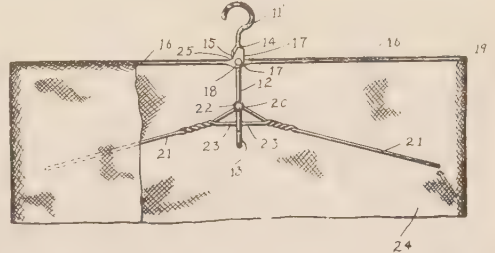
1,406,878. MOTOR DRIVE FOR LOOMS. DON CARLOS LEONARD, Greenville, S. C. Filed Apr. 28, 1921. Serial No. 465,191. 2 Claims. (Cl. 74—56.)



1. In mechanism of the class described, a supporting base, a motor thereon, transmission gearing upon the base driven from the motor and including a shaft, a gear upon the shaft, a gear to be driven from the first mentioned gear, operative gear connection between said

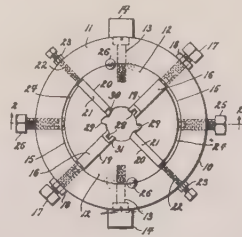
gears, the base being provided with threaded studs projecting from one edge thereof, a guard for the said gears and gear connection having apertured lugs receiving the said studs, and nuts threaded upon the studs.

1,406,879. COMBINED COLLAPSIBLE GARMENT HANGER AND PROTECTOR. GABRIELLE LIPP, New York, N. Y. Filed Mar. 18, 1921. Serial No. 453,316. 3 Claims. (Cl. 45—118.)



2. A collapsible garment hanger and protector comprising in combination a hook provided with a vertical extension, a pair of arms of equal lengths pivotedly secured to said hook and adapted to form a continuous horizontal bar when in operative position, said arms being provided at their free ends with perforations, a pair of shoulder members pivotedly secured to said hook extension below said arms, and a bag adapted to be supported in inverted position by said arms.

1,406,880. FINISHING HEAD FOR BOLT-TURNING MACHINES. WILLIAM T. LINGO, Philadelphia, Pa. Filed Oct. 9, 1918. Serial No. 257,529. 3 Claims. (Cl. 82—35.)

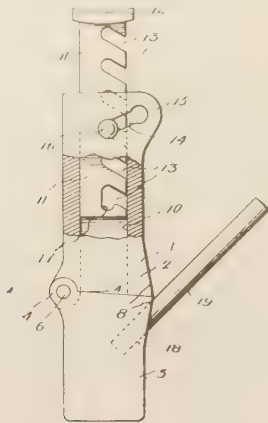


1. In a finishing head for bolt turning machines, the combination of a cylindrical casing, diametrically opposed segmental spacing members secured within said cylindrical casing, opposed steady rests disposed against one of the radial walls of said segmental spacing members, opposed cutters disposed against the other radial walls of said segmental spacing members, arcuate wedge members disposed within the arcuate spaces between the aforesaid segmental spacing members, and adapted to engage the steady rests and cutters, means for adjusting and locking said parts in position, a collar mounted beneath the finishing head and carrying a rounded cutter, and means for adjusting said collar to and from said head to accommodate bolts of different lengths.

1,406,881. JACK. HENRY LORENZEN, Crete, Ill. Filed Apr. 8, 1921. Serial No. 459,520. 4 Claims. (Cl. 254—101.)

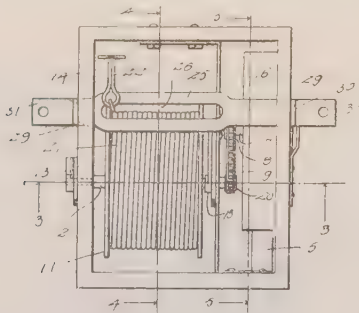
1. In a jack, a base section, an upper section hingedly connected to said base section at one edge, the engaging surfaces of said upper and base sections being enlarged, said upper section provided with a longitudinally extend-

ing bore, an article engaging member slidably mounted in said bore, means for holding said article engaging



member in adjusted position and a removable handle carried by said base structure and extending at an acute angle to the vertical sides of the base section.

1,406,882. CLOTHESLINE REEL. DANIEL L. MAC-AULAY, Inverness, Nova Scotia, Canada. Filed Dec. 14, 1920. Serial No. 430,797. 1 Claim. (Cl. 242—101.)



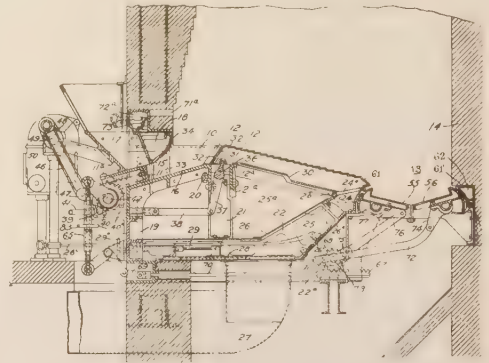
A reel structure including a casing, a reel within the casing, a bar spanning the casing and having a guide slot for a line secured on the reel, said bar having arms embracing the exterior of opposite sides of the casing, and attaching feet extending outwardly from said arms with their attaching surfaces in substantially the same plane as the base of the casing.

1,406,883. UNDERFEED STOKER. CHARLES F. MILLER, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 21, 1917. Serial No. 169,932. 12 Claims. (Cl. 110—44.)

1. In combination in a stoker, a fuel feed mechanism, a retort extending across the front of the stoker, alternate movable and stationary grate bars inclined rearwardly from the retort, a discharge mechanism at the rear of the grate bars, means for actuating the fuel feed mechanism, the movable grate bars and the discharge mechanism uniformly, and means included in the actuating means for imparting a variable relative motion to the discharge mechanism.

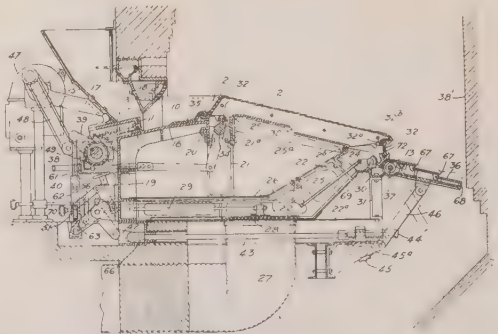
8. The combination in a stoker furnace having a tuyere box at the discharge end of the grate and an air chamber beneath the grate, of a grate having a plurality of hollow grate bars, each bar having an admission port communicating with the tuyere box and delivery ports along the bar

opening into the said air chamber, each bar being reduced in cross-sectional area along said delivery ports.



11. In combination with the fuel feeding mechanism of a stoker, a drive shaft, a two part gear mounted on said shaft and comprising a hub portion rigidly mounted on the shaft and a toothed member rotatably mounted on said shaft, a shearing key between said hub and said toothed member, and an operative connection between said toothed member and said fuel feeding mechanism.

1,406,884. STOKER. CHARLES F. MILLER, Morton, Pa., assignor to Westinghouse Electric & Manufacturing Co., a Corporation of Pennsylvania. Filed Aug. 31, 1917. Serial No. 189,200. 24 Claims. (Cl. 110—38.)



1. In combination in a stoker, a dump grate mechanism comprising a pivoted dump grate, and power actuated means for swinging said dump grate first upwardly above the normal closed position, and for then dropping the grate below the normal closed position during the dumping operation.

9. In combination in a furnace, a dump grate mechanism comprising a pivotally mounted grate, a rotatable gear for actuating said grate, a rack for actuating said gear, a casing for actuating said rack, a reciprocating member, means carried by the casing for engaging the member, adjustable means for engaging said casing-carried means and for disconnecting the casing from said member.

12. In an underfeed furnace, a retort, a plunger for forcing said fuel into said retort, movable grate bars for receiving fuel discharged from said retort and means actuated by said grate bars and located within said retort for preventing packing of the fuel entering the retort.

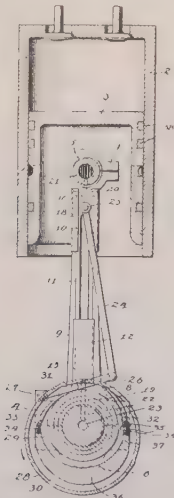
18. In a stoker, a plurality of grate bars located in parallel relation and each having an air delivery passage formed therein, and an air box for delivering air to said passages having a movable fuel impelling wall upon which the ends of said grate bars are mounted and which is adapted to be oscillated by the said bars.

1,406,885. PUMP VALVE. WILLIAM JAMES NOTT, West Croydon, South Australia, Australia. Filed Aug. 25, 1920. Serial No. 405,985. 1 Claim. (Cl. 251—123.)



In a valve of the class described, the combination with a short tubular member having an opening extending through the bottom thereof and a top wall, the body having a recess disposed obliquely at a sharp angle toward said top portion to provide an oblique seat, the lower end of the seat being provided with an upwardly projecting stud and a shoulder, and the top at its under face being provided with a curved stud projecting therefrom from the upper edge of the valve seating across the water space toward the opposite side of the barrel, and a valve consisting of a flat approximately oval shaped metal back having a face of resilient material such as leather, rubber or softened copper attached thereto to fit closely upon the valve seating, said valve having a notch in the center at the bottom engaging the stud and shoulder to hold the valve centrally relative to the seating and support the valve for rocking movement upon the shoulder, and the top of the valve having a notch engaging the stud at the top to guide the valve in its movement.

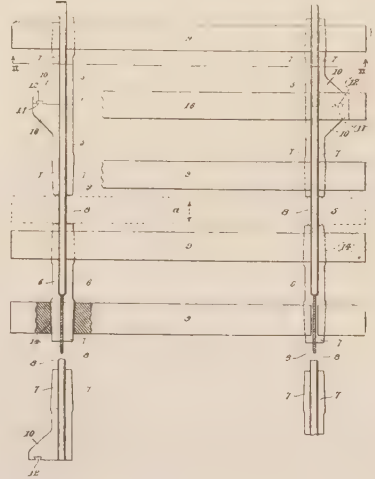
1,406,886. INTERNAL-COMBUSTION ENGINE. MEYER NUTA, Chicago, Ill. Filed Oct. 6, 1920. Serial No. 415,191. 11 Claims. (Cl. 123—78.)



1. In an internal combustion engine, the combination of a piston, a crank having a uniform throw, an extensible

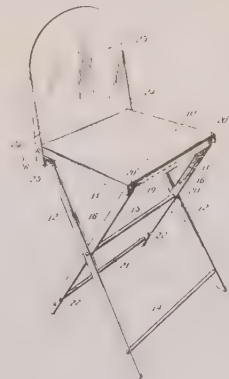
piston rod connecting the crank and piston, and means for lengthening the piston rod during the exhaust stroke to effect thorough scavenging of the engine cylinder.

1,406,887. RAILWAY CONSTRUCTION. ADAM K. ORZUCHOWSKI, Ellis Island, N. Y. Filed Dec. 7, 1921. Serial No. 520,567. 5 Claims. (Cl. 238—46.)



1. Railway construction including rail sections each formed with opposite central base flanges having the ends of the same oppositely tapered, end base flanges spaced from the central flanges and having their inner portions oppositely tapered, an end flange at one end of said rail section being laterally enlarged and provided with a dovetail tongue and the corresponding end flange at the opposite end of the rail section being provided with a complementary lateral enlargement formed with a dove-tail recess of a form and size to receive said dove-tail tongue.

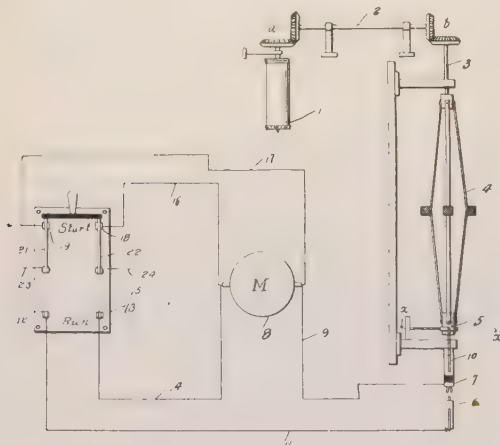
1,406,888. CHAIR. SAMUEL C. PANDOLFO, St. Cloud, Minn. Filed May 20, 1920. Serial No. 382,713. 2 Claims. (Cl. 155—147.)



1. A chair of the class described, comprising a seat portion formed of sheet metal, three edges whereof are turned downwardly or flanged, with the turned edge at one end of the seat provided with an integral extension or lip disposed beneath the seat, a plurality of metallic legs ar-

ranged in pairs to extend in opposite diagonal directions, the legs of one pair being pivotally secured to the turned down edges at one end of the seat and connected together intermediate of their ends by a tie-rod, the legs of the second pair being pivotally mounted at a point intermediate of their ends on said tie-rod so as to be disposed intermediate of the legs of the first pair, the upper ends of the legs of the second pair being secured together by a cross-rod adapted to be engaged by said lip when the chair is in "set up" position and thereby hold the second pair of legs in place, and a sheet metal back, two sides whereof are bent forwardly and adapted to overlap the sides of the seat, the two bent sides of the back being pivotally mounted on the pivots of the first mentioned pair of legs to adapt the back to fold down onto the seat, with the lower ends of said bent sides of the back formed to extend beneath the rear end of the seat and have abutting relation with the upper ends of said first mentioned pair of legs to support the back in raised position, the turned down edge of the seat provided with the integral lip being cut away to permit the seat and both pairs of legs to fold into parallel relation when the chair is collapsed.

1,406,889. AUTOMATIC STOP FOR MOVING-PICTURE MACHINES. MAX W. PAULEY, Rogers, Mich. Filed Mar. 14, 1921. Serial No. 452,066. 1 Claim. (Cl. 88—17.)

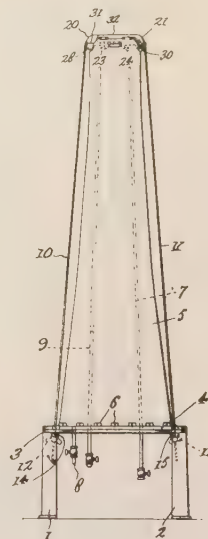


An automatic stop mechanism for motion picture machines comprising a film sprocket, an electric motor, starting and running circuits including said motor, a double throw switch common to both circuits, a governor mechanism deriving motion from the film sprocket, and a circuit closer in the running circuit and controlled by the governor mechanism, whereby to break the running circuit when the film sprocket ceases to rotate from any cause.

1,406,890. PROCESS ENABLING ALUMINA TO BE OBTAINED FROM CLAY AND OTHER IMPURE ALUMINOUS MATERIALS. HARALD PEDERSEN, Trondhjem, Norway, assignor to A/S Høyangfaldene Norsk Aluminium Co., Christiania, Norway. Filed June 30, 1920. Serial No. 393,200. 7 Claims. (Cl. 23—13.)

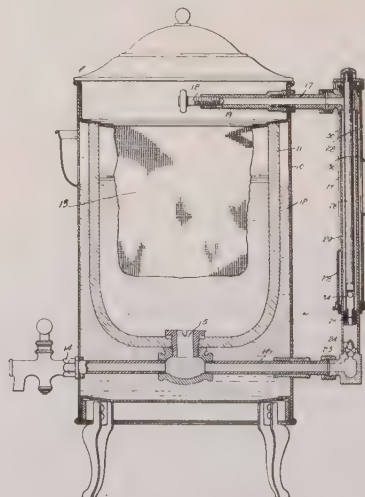
1. Process of preparing alumina comprising in combination the steps of reacting upon a potassium bearing clay with sulphuric acid, lixiviating the product, adding potassium sulphate to the obtained solution to produce potassium alum, decomposing the potassium alum by heating, separating the resulting potassium sulphate from the alumina by lixiviation, recovering potassium sulphate from the solution and adding a portion of the potassium sulphate to the sulphate solution obtained from a further portion of potassium bearing clay.

1,406,891. TROUSERS CREASER AND FORMER. OTUS PICKELSIMER, Greenville, S. C. Filed Apr. 6, 1921. Serial No. 459,020. 7 Claims. (Cl. 223—17.)



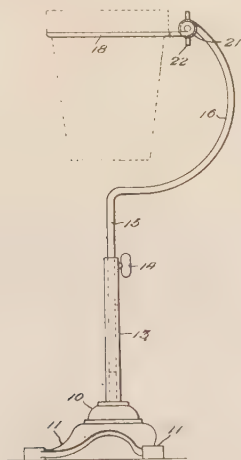
1. A garment former and creaser comprising a heated form, creasing means at the outsides of the form, and an expansible head exterior to the form connected to said creasing means, substantially as described.

1,406,892. REPOURING ATTACHMENT. JOHN PATRICK QUINN, New York, N. Y. Filed Apr. 26, 1921. Serial No. 464,549. 3 Claims. (Cl. 103—80.)



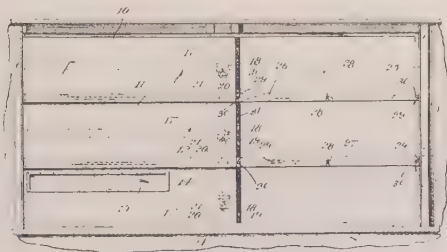
1. A repouring attachment including a cylinder, nipples secured adjacent the upper and lower ends of said cylinder and affording communication with the interior thereof, a piston movably mounted within said cylinder, valves co-operating with said piston, a piston rod secured to said piston and extending beyond the end of said cylinder, and a sleeve formed with a split extending throughout the greater part of its length, and straddling one of said nipples said sleeve being connected to said rod.

1,406,893. DISPLAY STAND. EDWARD ERNEST RANDALL,
Prides Crossing, Mass. Filed June 7, 1921. Serial No.
475,712. 2 Claims. (Cl. 211-24.)



1. A device of the character described comprising a base, a hollow support rising therefrom, a set screw threaded into said support, a rod vertically adjustably disposed within said support and adapted to be clamped in desired position by means of said set screw, an eye at the upper end of said supporting rod, a frame formed to conformingly engage the articles to be displayed and provided with a pair of spaced eyes straddlingly engaged upon said first named eye, and a bolt passing through all of said eyes and carrying a clamping nut.

1,406,894. DOOR FOR GRAIN CARS. GEORGE L. REDSHAW, Grenora, N. D. Filed Sept. 1, 1920. Serial No. 407,338. 5 Claims. (Cl. 20—31.)

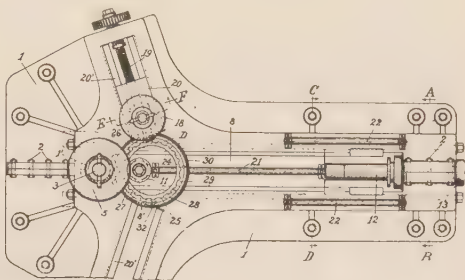


1. In a device of the class described, a movable door, a guide rail supporting said door in open position, and a collapsible rail for disposition across the doorway independently of movement of the door and in continuation of said guide rail to support said door in and to facilitate movement of said door to closed position.

1,406,895. APPARATUS FOR ROLLING TIRES. OTTO REIFURTH, Bochum, Germany. Filed Aug. 2, 1916. Serial No. 112,876. 6 Claims. (Cl. 80—5.)

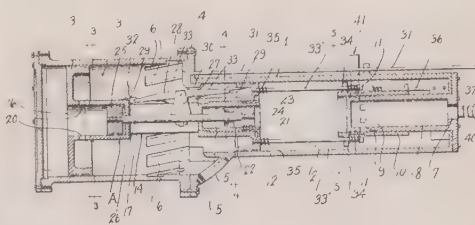
6. An apparatus of the character described, comprising a base, a vertical driving-shaft stationarily journaled in said base, a driving pressure-roll carried by said shaft and provided with a peripheral guide-groove furnished with a V-shaped driving-bottom, a detached annular casing provided with a truncated V-shaped driving-face adapted to cooperate with said V-shaped guide-groove-bottom for causing the rotation of said casing, an upwardly flaring seat terminating at its lower edge in an annular supporting-rib arranged upon the internal face of said casing, a multipartite forming-die snugly fitting said seat and provided

with a series of recesses sunk into the internal die-face, means for preventing the creeping of said die in said casing, a pressure-head slidably arranged in said base, a counter-shaft journaled in said pressure-head, a counter-pressure-roll carried by said counter-shaft on a level permitting it to enter the V-bottomed guide-groove of said driving pressure-roll, means for causing a relative approach of said pressure-rolls during the rolling-process, means for retracting said pressure-head after completing



said rolling-process, slide-blocks adjustably guided in said base on lines forming acute angles with the center-line of said base and intersecting said center-line at a point in advance of said driving pressure-roll, guide-rolls mounted on said slide-blocks and provided with a peripheral guide-groove furnished with a V-shaped bottom and adapted to receive and sustain said casing and said die, a sustaining-roll journaled on said pressure-head, and sustaining-rolls journaled on said base on a level with said pressure-head sustaining-roll.

1,406,896. ENGINE. ANDREW REPPE, Winifred, Mont.
Filed Oct. 2, 1920. Serial No. 414,175. 7 Claims. (Cl.
121-108.)

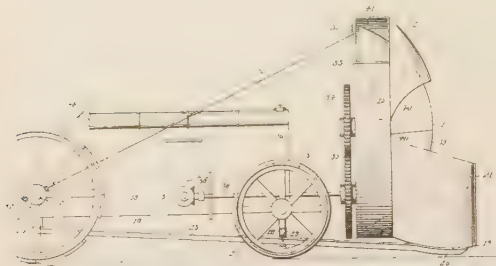


1. An engine of the class described comprising a cylinder provided with a high pressure part and a low pressure part, a piston in said cylinder having a small head operating in the high pressure part and a large head operating in the low pressure part, said large head having exhaust passages therein, the small head having inlet ports therein and the piston body having passages leading from the inlet ports through the large head, a pair of valves controlling the exhaust passages and the inlet ports and actuated by the steam pressure, a stem connecting the valves together, a trip mechanism connected with the stem, means for controlling the supply of steam to the high pressure end of the cylinder and exhaust means carried by the low pressure part of the cylinder.

1,406,897. SNOWPLOW. LEON W. RITTENHOUSE, Roch-
ter, N. Y. Filed Nov. 12, 1920. Serial No. 423,581. 3
Claims. (Cl. 37—63.)

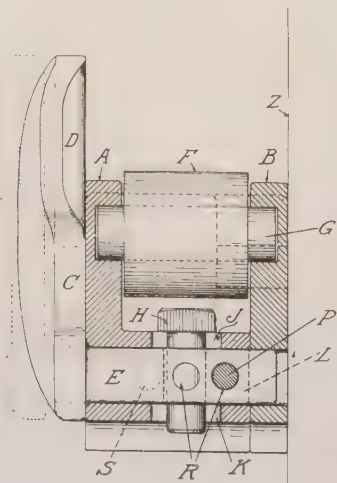
1. An attachment for a tractor having a motor and a frame, a snow receiving member, push bars upon which

said receiving member is mounted forwardly of the tractor with the rear ends of the bars attached adjacent the rear



end of the tractor, and a cutter within the receiving member operatively connected to the motor of the tractor when the device is assembled for use.

1,406,898. COMBINED SUPPORT AND GUIDE FOR SLIDING DOORS. ALEXIS O. ROBERTS, Greene Island, and JAMES J. O'KEEFE and ARTHUR F. BURBY, Watervliet, N. Y. Filed July 2, 1921. Serial No. 482,168. 3 Claims. (Cl. 16—100.)

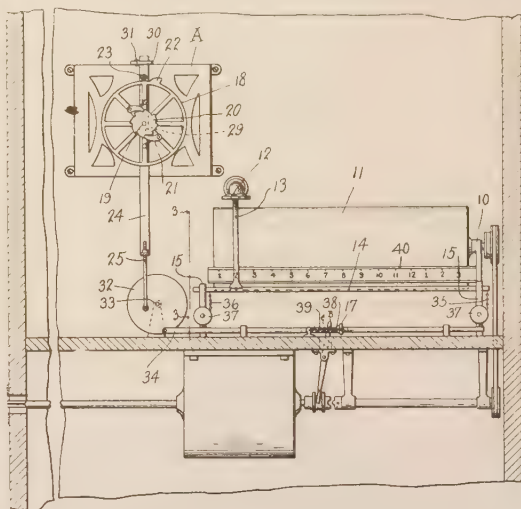


2. In a combined support and guide for sliding doors, a body member with attachment ears thereon; a door guide member slidably and adjustably mounted in said body member; means for limiting the sliding movement of said guide member in, and preventing the withdrawal of said member from, the body member; means for fastening said door guide member in adjusted position; a roller mounted in, and the surface thereof projecting beyond, said body member; and a back plate with ears thereon, said ears, and the attaching ears on said body member being so arranged that the means used to attach the device in position will secure said back plate firmly against said body member.

1,406,899. ANNUNCIATOR. HOMER ROBINSON, Lorain, Ohio. Filed July 18, 1921. Serial No. 485,732. 5 Claims. (Cl. 58—14.)

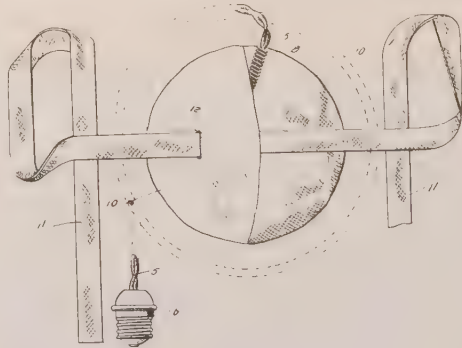
1. In combination, a record cylinder, a reproducer normally spaced from said record, time controlling mechanism for moving the reproducer into operative association with

said cylinder, and separating the same therefrom at predetermined intervals, and means for automatically starting



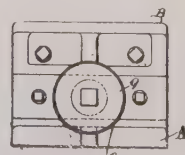
and stopping said record just prior to movement of the reproducer into or out of engagement from said cylinder.

1,406,900. HEATER. JOHN LA RUE ROBINSON, Reno, Nev., assignor to Reno Optical Company, Reno, Nev., a Corporation of Nevada. Filed June 18, 1920. Serial No. 389,889. 3 Claims. (Cl. 219—19.)



1. A heater pad for local application comprising separable sections, heating means intermediate the sections, and means associated with one section to direct and confine the heat to the other section.

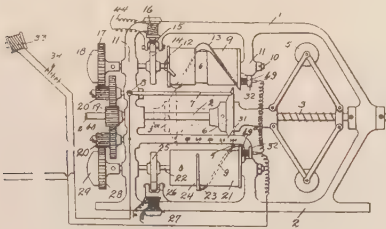
1,406,901. VISE HAVING AN INSTANTANEOUS TIGHTENING AND LOOSENING ACTION. MAURICE ANDRÉ LOUIS ROCHER, Châtelleraut, Vienne, France. Filed Feb. 24, 1920. Serial No. 360,606. 2 Claims. (Cl. 81—33.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



2. A vise having a frame plate formed in the upper portion with a longitudinally extending open ended recess, the bottom of the plate having an interrupted recess communicating with the first mentioned recess, a jaw carrying

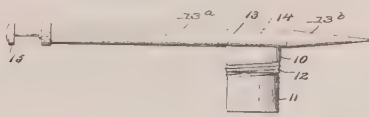
block slidably mounted in the first mentioned recess, a jaw carried thereby, a fixed jaw secured to the frame plate, an adjusting block mounted in the first mentioned recess, an operating rod mounted for rotative movement in the adjusting block and having threaded connection with the jaw carrying block, an opening formed in the adjusting block, an opening formed in the frame plate with which the opening in the block may register to receive means for securing the adjusting block with relation to the frame plate, a cam member carried by the adjusting block, and an abutment carried by the jaw fixed to the frame plate to be engaged with such cam member.

1,406,902. DEVICE FOR CONTROLLING RAILWAY TRAINS. ELOI RODOLAUSSE, St-Antonin, France. Filed Jan. 9, 1920. Serial No. 350,419. 6 Claims. (Cl. 246—178.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



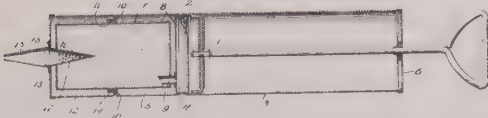
3. A train control apparatus comprising air-brake operating means, including a valve for controlling the air, a lever adapted to operate the valve, said lever having a tooth formed thereon, a weight mounted on the lever, an armature having a tooth for engaging the tooth on said lever, pivoted at one end, an electromagnet adapted to operate the armature to disengage the teeth, an electric circuit through the electromagnet, and a control device for said circuit and electromagnet, and means for governing the operation of the control device.

1,406,903. DRY-SPRAY GUN. WILLIAM H. ROSE, Jersey City, N. J. Filed Oct. 23, 1919. Serial No. 332,663. 8 Claims. (Cl. 43—147.)



1. In an apparatus for spraying powdered material, the combination of an original package of such material, a receptacle adapted to receive the package, means projecting permanently into the receptacle and adapted to perforate the package at two points when placed therein, and means for blowing air through said perforations and through said package.

1,406,904. DRY-SPRAY GUN. WILLIAM H. ROSE, Jersey City, N. J. Filed Oct. 21, 1921. Serial No. 509,313. 5 Claims. (Cl. 43—147.)



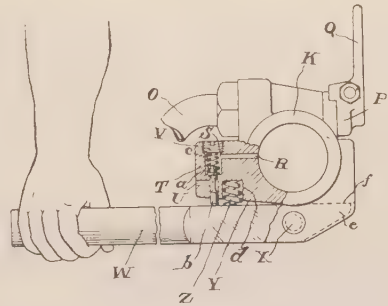
1. In an apparatus for spraying powdered material, the combination with a closed package of powder, of a pump device having a chamber for holding the package, a cap

for closing the chamber, means fixed in the chamber and in the cap for piercing the package, and means for blowing air through said piercing means and through the package.

1,406,905. PROCESS OF EXTRACTING SULPHUR. ALEXANDER K. SEDGWICK, Chicago, Ill. Filed Jan. 26, 1921. Serial No. 440,178. 6 Claims. (Cl. 23—10.)

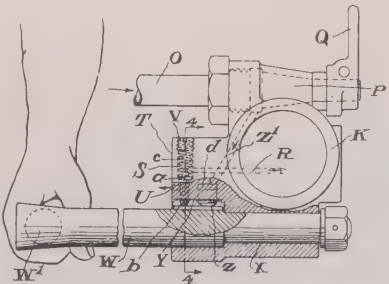
1. A method of recovering sulphur from its ore, which consists in providing a bath of sulphur and then introducing the sulphur ore and oil into said bath and mixing the same whereby the solid particles will be carried to the top of the bath.

1,406,906. AIR-FEED CONTROL FOR ROCK DRILLS. WILLIAM A. SMITH, Detroit, Mich., assignor to Ingersoll-Rand Company, New York, N. Y., a Corporation of New Jersey. Filed July 23, 1920, Serial No. 398,386. Renewed Dec. 8, 1921. Serial No. 520,988. 5 Claims. (Cl. 121—5.)



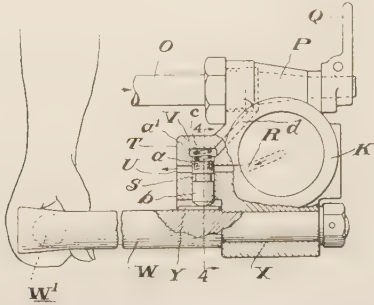
1. A rock drill having a percussive element and a fluid pressure feeding element, a valve for regulating the pressure in the feeding element, and manually controlled means dependent upon the resistance to rotation for controlling said valve, whereby the feeding element is automatically regulated in accordance with the requirements of the work.

1,406,907. AIR-FEED CONTROL FOR ROCK DRILLS. WILLIAM A. SMITH, Detroit, Mich., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Aug. 3, 1920, Serial No. 400,979. Renewed Dec. 8, 1921. Serial No. 520,989. 5 Claims. (Cl. 121—5.)



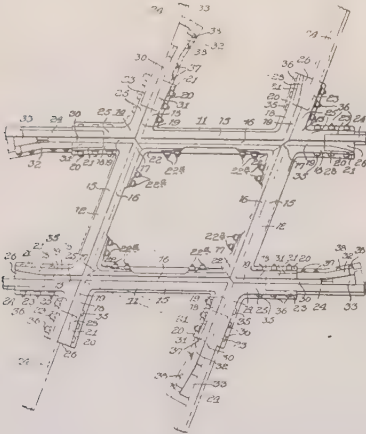
1. A rock drill having a percussive element and a fluid pressure feeding element, a valve for regulating the pressure in the feeding element, and manually controlled means constantly subjected to fluid pressure and dependent upon the resistance to rotation for controlling said valve, whereby the feeding element is automatically regulated in accordance with the requirements of the work.

- 1,406,908. AIR-FEED CONTROL FOR ROCK DRILLS. WILLIAM A. SMITH, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 6, 1920. Serial No. 428,694. 5 Claims. (Cl. 121-5.)



1. A rock drill having a percussive element and a fluid pressure feeding element, a valve constantly subjected to fluid pressure for regulating the pressure in the feeding element and manually controlled means cooperating with said valve and dependent upon the resistance to rotation for controlling said valve, whereby the feeding element is automatically regulated in accordance with the requirements of the work.

- 1,406,909. RAILWAY CROSSING. EUGENE N. STROM and AXEL E. BLOMSTRAND, Chicago, Ill., assignors to Pettibone Mulliken Company, Chicago, Ill., a Corporation of New York. Filed Dec. 3, 1921. Serial No. 519,655. 19 Claims. (Cl. 246-463.)

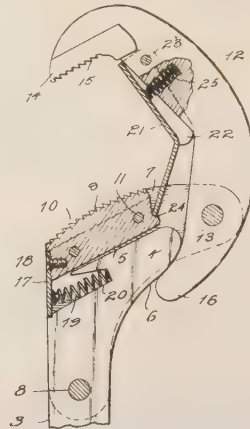


1. A railway crossing provided at a corner thereof with a portion extending outwardly beyond the flange-groove-intersection of the crossing, said portion being recessed to receive an end of a rail, a removable and replaceable filler block in said recess extending adjacent a side of the rail and presenting a guard-rail portion spaced from the head of the rail, and means securing said parts together.

- 1,406,910. WRENCH. HARRY C. SUTHERLAND, Oak Park, Ill. Filed Jan. 10, 1921. Serial No. 436,235. 1 Claim. (Cl. 81-91.)

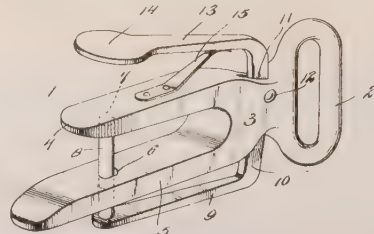
In a wrench, the combination of a handle having a projection at one end, plates pivoted adjacent to the end, a jaw member secured to said plates, an arm pivoted to said plates, a second jaw member carried by said arm and adapted to co-operate with the first named jaw member, a spring coacting with said handle and plates, and tending to swing the jaws to closed position, a trigger having flanges engaging with the sides of said arm and pivoted thereto, a spring between said trigger and

the arm, said trigger having a projection extending between said plates and adapted to engage with one end



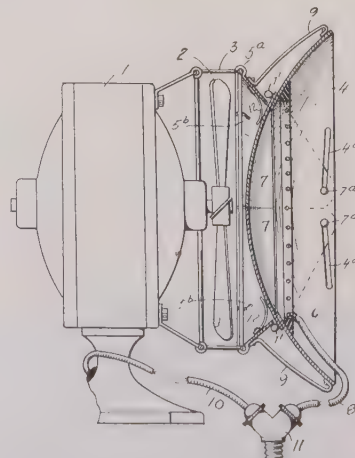
of the first named jaw member for holding the jaws in open position.

- 1,406,911. SNAP HOOK. JOHN R. TURNER, Sparks, Nev. Filed May 24, 1921. Serial No. 472,171. 2 Claims. (Cl. 24-233.)



2. A device of the class described including a slotted shank having spaced parallel jaws, a substantially U-shaped member pivoted in the slotted shank and having its arms disposed over but out of engagement with the jaws, a pin on one of the arms passing through an opening in one of the jaws and received in a depression in the opposite jaw, and a spring between the second jaw and the second arm of the U-shaped member for swinging the latter for normally retaining the pin between the jaws.

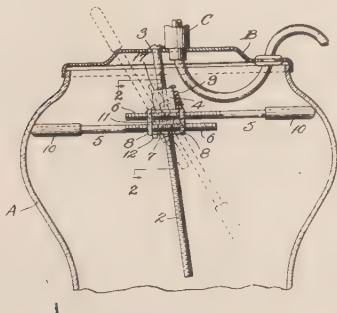
- 1,406,912. ELECTRIC HEATER. NICHOLAS THEOFILOU, Chicago, Ill. Filed Oct. 13, 1920. Serial No. 416,687. 8 Claims. (Cl. 219-42.)



1. The combination with an electric fan, of a reflector attachable in front of said fan, a heating element within

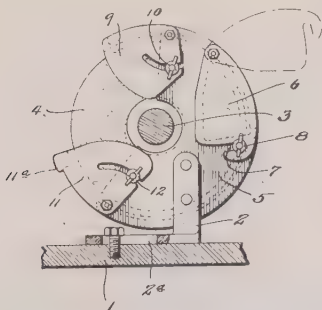
said reflector, and manually operated means for opening an air passage from the fan propeller to said heating element.

1,406,913. HOLDER FOR ELECTRIC LIGHTS AND OTHER PURPOSES. PAUL J. TIMBERLAKE, Jackson, Mich. Filed Apr. 6, 1920, Serial No. 371,726. Renewed Nov. 28, 1921. Serial No. 518,429. 6 Claims. (Cl. 240—52.)



1. The combination with a holder for an article such as an electric lamp, of means for securing it to a hollow standard, comprising arms adapted to enter the standard and engage with the inner walls thereof, a supporting piece for the arms from which they extend in opposite directions, and a pivotal support for the said supporting piece adapted to be inserted into the standard, the said pivotal support allowing the holding arms to be inclined so they may pass through a contracted opening into the standard.

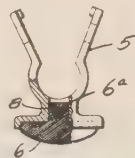
1,406,914. ADJUSTABLE SAFETY GUARD FOR EMERY WHEELS. VICTOR A. VIRGILIO, St. Louis, Mo. Filed June 20, 1919. Serial No. 305,617. 6 Claims. (Cl. 51—268.)



1. An emery wheel guard comprising a housing having circular end walls and a cylindrical peripheral wall, portions of said walls being cut away to form an opening for exposing a portion of an emery wheel, oppositely disposed incurved closure plates hinged to the top and bottom of said housing and adapted to be swung in a radial direction to partially close said opening, said closure plates being provided adjacent to the end walls of said housing with inwardly projecting side walls, said side walls having slots which are concentric with the hinges of said closure plates, bolts seated in the end walls of said housing and projecting outwardly through the slots formed in the side walls of said closure plates, means having threaded engagement with the projecting ends of said bolts and adapted to engage the side walls of said closure plates whereby said closure plates can be adjusted relative to

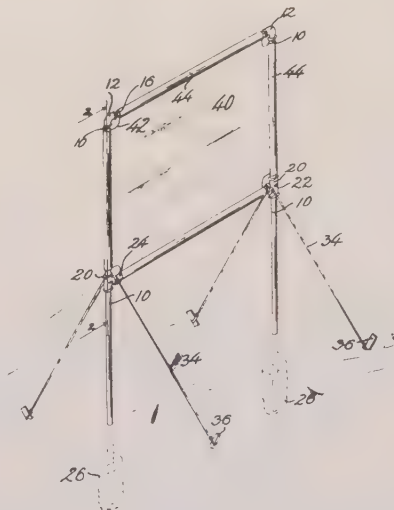
the axis of the emery wheels, and a transversely disposed rib formed on the upper edge of the lower closure plate, said rib being arranged to be used as a work support.

1,406,915. BRAKE-BEAM SUPPORT. CHARLES HAINES WILLIAMS, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 9, 1920. Serial No. 357,227. 2 Claims. (Cl. 188—213.)



1. A chair for third or fourth point brake beam supports having a recess or pocket in its lower face, a renewable wear-surface arranged on the underside of said chair, a projection or lug extending upwardly from said wear surface and into said recess or pocket, and means co-operating with said lug to hold said wear-surface in position.

1,406,916. SIGN FOR ROADSIDES. HENRY J. ARNOLD, Denver, Colo. Filed Nov. 10, 1919. Serial No. 336,774. 2 Claims. (Cl. 40—125.)

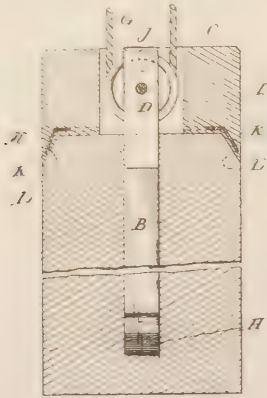


1. A sign comprising a horizontal member, an L threaded onto each end thereof, upright members threaded into said L's, T's slidable on said upright members, means securing said T's to intermediate portions of said upright members, a second transverse member threaded into said T's, and a flat sign plate having its edges rolled about said members whereby both sides of said sign-plate are exposed for display.

1,406,917. SASH WEIGHT. ARTHUR H. BAILEY, Los Angeles, Calif. Filed Aug. 9, 1920. Serial No. 402,209. 7 Claims. (Cl. 16—219.)

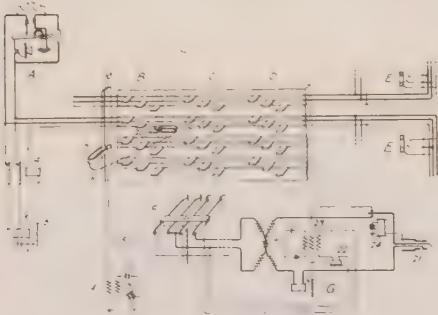
1. The combination with a composition sash weight, of a pulley pivoted at a point adjacent to one end thereof and exterior thereto, and a bearing member for said pulley,

said bearing member inserted in said sash weight and forming a reinforcing means therefor, and a cap detachably se-



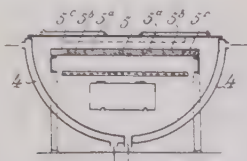
cured over said sash weight and pulley, said cap provided with an opening through which said pulley projects.

1,406,918. TESTING SYSTEM. WILLIAM G. BLAUVELT, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Jan. 8, 1919. Serial No. 270,205. 5 Claims. (Cl. 179—175.)



4. In a testing system for telephone exchanges, in combination, a plurality of telephone lines, automatic line finder switches having stationary line and test terminals for the telephone lines, a bus-bar in proximity to the line finder switches, a source of tone supply connected with said bus-bar, and means for electrically connecting one of the test terminals with the bus-bar.

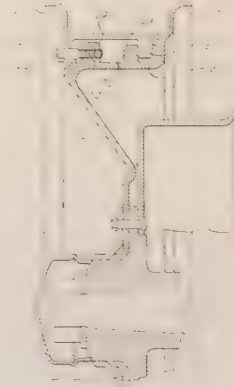
1,406,919. MACHINE FOR THE PRODUCTION OF RUBBER-COATED TEXTILES AND THE LIKE. ALBERT BOECLER, Malmö, Sweden, assignor to Benzine Condensation Co. Inc., a Corporation of New York. Filed Sept. 14, 1920. Serial No. 410,265. 6 Claims. (Cl. 34—48.)



6. Improvement in machines for the production of rubber coated textiles and the like, having a coating device and a heating plate for the evaporation of the solvent by passing the coated material over the heating plate, said plate being divided in a central section and an equal num-

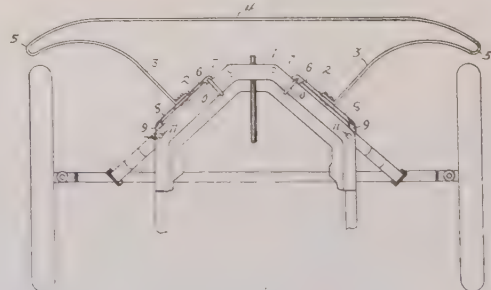
ber of outer sections placed on each side of the central one, all of said sections being heated by means of electricity and the outer sections being combined in pairs and provided with common means for each pair, whereby such a pair of sections may be heated independently of the other ones and of the central section.

1,406,920. WHEEL CONSTRUCTION. BURTON ROY BOLENBAUGH, CYRUS BOLENBAUGH, RAY SANFORD BOLENBAUGH, and LAURENCE W. LONG, Jackson, Mich., assignors of one-third to said Burton Roy Bolenbaugh, Cyrus Bolenbaugh, and Ray Sanford Bolenbaugh; one-sixth to said Long; one-sixth to Arthur Paulson, New York, N. Y.; one-sixth to Hugh E. Keeler, Ann Arbor, Mich., and one-sixth to Lewis H. Flynn, Albany, N. Y. Filed Oct. 2, 1920. Serial No. 414,200. 3 Claims. (Cl. 301—35.)



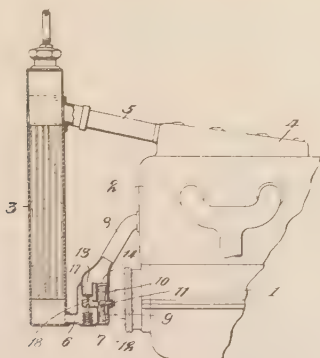
1. In a wheel construction, ring sections movable transversely together and apart and having lugs with cooperating faces extending throughout their lengths circumferentially of the sections and relatively arranged whereby when one section is turned with respect to the other the lugs of one section will be moved circumferentially behind the lugs of the other and the sections will be locked against disassociation, the said lugs being carried by inner and outer radially spaced annular flanges extending laterally inward from the rim sections and located nearer one rim section than the other, and the flange of each rim section being arranged to abut at its edge against the other rim section, and means detachably securing the sections together to prevent turning of one with respect to the other.

1,406,921. BUMPER FOR AUTOMOBILES. CHARLES BOWEN, Fort Wayne, Ind. Filed Dec. 31, 1919. Serial No. 348,601. 2 Claims. (Cl. 293—55.)



1. In a device of the class described, a bumper proper having inturned extremities; and a pair of anchors to which the extremities are respectively secured, each anchor having a forwardly extending downturned end and a rearwardly extending upturned end, each end having a lateral projection for attachment to the frame of the automobile.

- 1,406,922. COOLING SYSTEM. HARRISON H. BOYCE, Forest Hills, N. Y. Filed Nov. 17, 1916. Serial No. 131,841. 11 Claims. (Cl. 123—170.)



1. In apparatus of the character described, the combination with a cooling system of an internal combustion engine designed to provide for a thermo-siphon circulation of the cooling fluid, of a mechanical pump for positively circulating the fluid through said system, and means for regulating the relative effects of the thermo-siphon action and of the pump.

- 1,406,923. PLANE FOR AIRCRAFT. JOHN FRANCIS BRICE, Bensalem Township, Bucks County, Pa. Filed Apr. 6, 1921. Serial No. 458,926. 1 Claim. (Cl. 244—12.)



A device of the class described including a plurality of separate aerofoils arranged in tandem, and secured together to provide a single element, said element presenting openings between said aerofoils, each of said aerofoils presenting a convex under surface, and a non-convex upper surface.

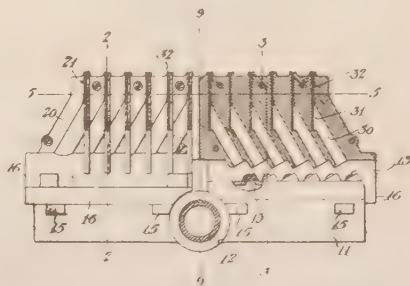
- 1,406,924. GUIDE OR GAUGE FOR RECIPROCATING HAND TOOLS. HENRY BRIGGS, Hasbrouck Heights, N. J. Filed June 12, 1920. Serial No. 388,591. 5 Claims. (Cl. 76—36.)



1. A guide or gauge for reciprocating hand tools, comprising a body portion, a tool receiving socket in one end

thereof, a cylindrical extension, a cylindrical boss within the extension, a circular clamping ring supported by the cylindrical boss, a sleeve surrounding the cylindrical extension, a guide arm seated on the sleeve and a set screw passing through the guide arm, sleeve and cylindrical extension and engaging the ring within the cylindrical extension.

- 1,406,925. GAS BURNER. WILLIAM M. BRITTEN, Los Angeles, Calif., assignor of one-half to Clyde Harshman, Los Angeles, Calif. Filed May 8, 1920. Serial No. 380,004. 11 Claims. (Cl. 158—106.)



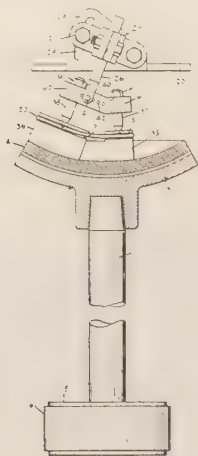
1. A gas burner comprising a gas manifold, a series of tips set in the top of said manifold and having jet openings communicating with the interior of said manifold, aprons secured on said gas manifold but spaced apart therefrom to form primary air inlet passages, flanges formed on said aprons, said flanges having throats formed therein, each of said throats being so placed that gas from one of said jets is projected into said throat where it joins primary air drawn inwardly through said passages; and a series of cooling ribs at right angles to said flanges, each of said ribs having a central slot therein, said slots each communicating with one of said throats which enters same at an angle.

- 1,406,926. WATER-LEVEL INDICATOR. GEORGE ALFRED BRYAN, Peru, Ind. Filed June 19, 1920. Serial No. 390,067. 20 Claims. (Cl. 73—54.)



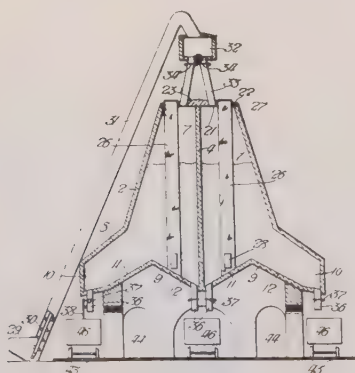
1. A water level indicator for steam generators, comprising a transparent indicating tube, means for connecting the ends of the tube to a generator above and below the normal water line, and a casing surrounding the tube and filled with a liquid, said casing having a transparent portion enabling observation of the level within the indicating tube.

1,406,927. MEANS FOR POLISHING MULTIFOCAL LENSES. LUCIAN W. BUGBEE, Indianapolis, Ind., assignor to Onepiece Bifocal Lens Company, Indianapolis, Ind., a Corporation. Filed Mar. 22, 1920. Serial No. 367,754. 2 Claims. (Cl. 51—131.)



1. The combination with a lens holder for holding a plurality of concentric lens blank surfaces to be polished, and means for rotating the same, of a polishing button for each surface thereof, a pin frame having a pin for loosely engaging each button, vertically movable means to which said pin frame is pivoted between the pins so the pin frame can rock thereon vertically, and a single independently driven belt extending around all of said polishing buttons for positively rotating them simultaneously.

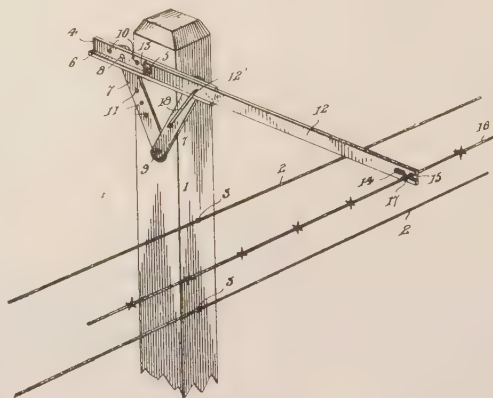
1,406,928. BULK STORAGE AND HANDLING OF GRAIN. WALTER H. BULL, Coburg, Melbourne, Victoria, Australia. Filed Mar. 12, 1920. Serial No. 365,342. 2 Claims. (Cl. 214—16.)



1. Improvements connected with the bulk storage and handling of grain, comprising, in combination, a silo having a perforated covering and having a floor provided with an inclined grain shedding surface extending from end to end of the silo, said inclined grain shedding surfaces converging toward the longitudinal center of the silo and also inclining downwardly toward the side edges of the silo, said silo consisting of a plurality of storage compartments, an elevator for charging the silo through the perforated covering, means for delivering grain from the elevator to any of the compartments, discharge chutes depending from the grain shedding surface and having

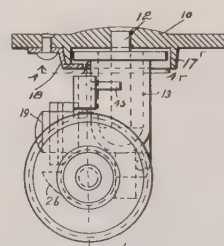
their lower ends disposed above ground level, and outlet valves controlling the gravitation of grain through said discharge chutes.

1,406,929. FENCE PROTECTOR. WILLIAM L. BUTCHER, Brighthurst, Ind. Filed Apr. 21, 1921. Serial No. 463,150. 2 Claims. (Cl. 256—11.)



1. A fence protector comprising a bracket formed of an angle iron, a bolt securing the angle iron to a post, brace bars carried by the angle iron and secured to the post, a bracket arm pivotally mounted on said bolt and resting upon one flange of the angle iron when in a horizontal position, a barb wire secured to the outer end of said arm, and a clip associated with said arm and bracket for holding the arm in adjusted position.

1,406,930. CASTER. JOHN S. CANTELO, Boston, Mass. Filed Apr. 1, 1918. Serial No. 225,955. 12 Claims. (Cl. 16—18.)

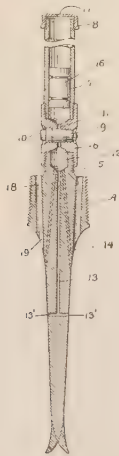


10. A caster, comprising a base, a wheel frame with spaced apart wheels journaled thereto swingingly mounted on said base, and co-operative means on said frame and base for limiting the swinging of said frame with respect to said base consisting in an apertured extension on one of said members with a projection on the other of said members extending into and operative in said aperture within the limits of clearance thereof.

1,406,931. DRILL BIT. WILLIAM L. CHILDS, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a Corporation of Texas. Filed Jan. 13, 1920. Serial No. 351,222. 3 Claims. (Cl. 255—61.)

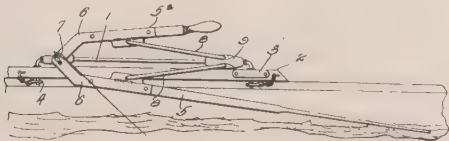
1. In an earth boring drill, the combination of a fish tail blade, a lubricant container thereon, means to conduct

lubricant from said container to the face of said blade and means to conduct flushing water to the bottom of the



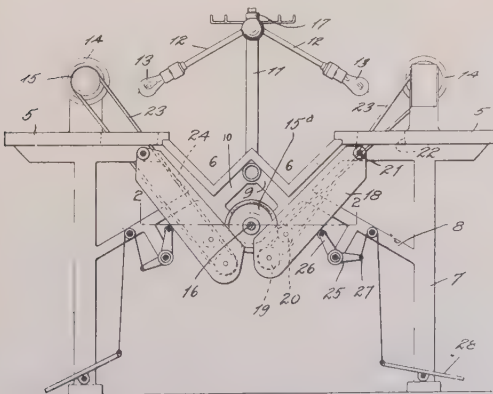
hole being drilled in the manner and for the purpose described.

1,406,932. BOW-FACING OAR. WILLIAM HENRY CLAY, Eustis, Fla. Filed Dec. 8, 1920. Serial No. 429,252. 4 Claims. (Cl. 9—25.)



1. In a device of the type described, the combination of a rail-member secured to the gunwale of a boat, an oar-blade and its handle, a slidable and rotatable member arranged on said rail-member, means effecting connection of said blade and handle with said slidable and rotatable member, a rotatable member arranged on said rail-member, said oar-blade and handle having terminals angled laterally towards said slidable and rotatable member and pivotally connected to said rotatable member.

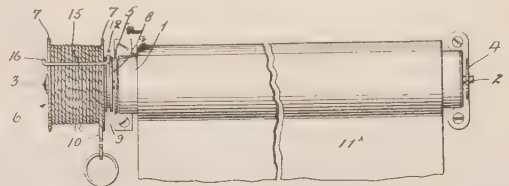
1,406,933. DRIVING MECHANISM FOR SEWING MACHINE. CHINES. ALEXANDER B. COHN, New York, N. Y. Filed June 21, 1919. Serial No. 305,735. 15 Claims. (Cl. 74—21.)



1. In a device of the class described, the combination with a table, a sewing machine provided with a driven

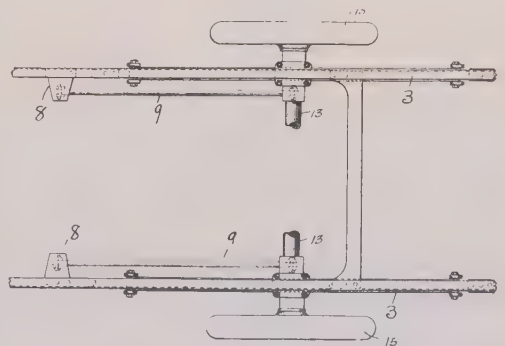
pulley mounted on said table and a power pulley positioned below the level of the table of manually controlled power transmitting means for driving the machine pulley at will from the power pulley, said means including an endless belt having a portion of one reach thereof below the table movable from an inoperative position, past a tangential position into driving engagement with the periphery of the power pulley, a pair of pulleys engaging the belt reach on the side thereof opposite the power pulley and coacting to move the belt into frictional engagement with the power pulley, the axes of said pair of pulleys being spaced apart a distance less than the diameter of the power pulley, thereby to limit the possible length of belt reach between said pulleys engaging the periphery of the power pulley, and manually actuated control means disposed below the table for controlling the engagement of the belt with the power pulley.

1,406,934. SHADE ROLLER. JOHN ELLIOTT COWEL, Crest, Colo. Filed Apr. 30, 1921. Serial No. 465,786. 1 Claim. (Cl. 156—28.)



The combination of a shade roller having journals, a shade attached to the roller, brackets in which the journals of the roller are arranged, a spool fixed on one of said journals at the outer side of the adjacent bracket and connected by said journal to the roller and having flanges and also having an inner portion in which is a circumferential groove, a cord attached to the spool and arranged to be wound or taken up on the spool when the shade is drawn downwardly, and a tensioning spring connected to the last mentioned bracket and coiled to increase its resiliency and having a curvilinear portion to seat in the groove and bear frictionally against the said inner portion of the spool and also having a lateral arm arranged across and spaced from the spool flanges and terminating in an upwardly directed portion arranged at the outer side of the outer flange.

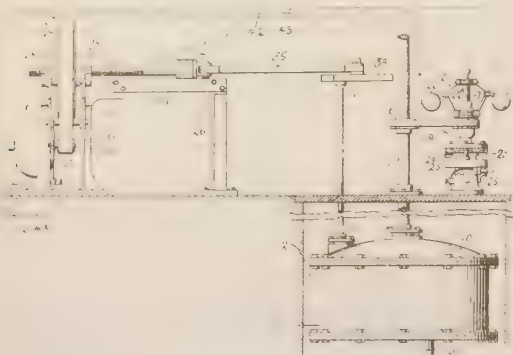
1,406,935. VEHICLE SPRING SUSPENSION. HENRY M. CRANE, New York, N. Y. Filed Dec. 11, 1919. Serial No. 344,025. 2 Claims. (Cl. 180—85.)



1. The combination comprising a vehicle frame, a drive axle consisting of a load carrying member, driving means, road wheels, load springs secured against rotation to said load carrying member, links connecting the ends of said load springs to the frame, and radius rods pivoted at one

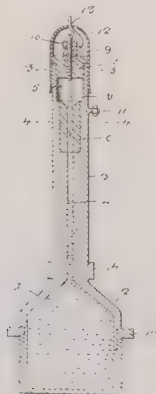
end at a point which is fixed with reference to said frame and at the other end to said load carrying member at a point substantially vertically distant from the radial axis of the axle structure.

- 1,406,936. GOVERNOR FOR WATER-DRIVEN MOTORS. HOWARD S. CRISPIN, Thermopolis, Wyo. Filed Mar. 29, 1920. Serial No. 369,612. 1 Claim. (Cl. 74—14.)



In an apparatus of the class described, a supporting frame, an internally threaded member mounted for rotation in said frame, guide devices in spaced relation extending from the frame, a cross head member slidably engaging said guide devices, a bar rigidly coupled to said cross head member and externally threaded to engage the internally threaded member, means for rotating said internally threaded member and an operating member swingingly coupled to the cross head member.

- 1,406,937. ALARM. JOSEPH CRONAN, Rose Creek, Minn. Filed Feb. 2, 1920. Serial No. 355,603. 1 Claim. (Cl. 200—141.)



A circuit closer for a bearing alarm comprising a mercury reservoir adapted to be placed in contact with a bearing, a closing cap for said reservoir provided with a long neck, a screw threaded plug of insulated material closing the upper end of the neck, a needle adjustably carried by said plug and extending into the bore of the neck, a sleeve of insulating material in the neck surrounding the lower end of the needle, said neck having an expansion chamber formed therein between the plug and sleeve, a cap engaging the upper end of the neck and enclosing the plug and means on the needle and neck for attaching terminal wires of a circuit.

- 1,406,938. METHOD FOR PRODUCING WOOD FLOUR. JOHN J. CUNNINGHAM, Glens Falls, N. Y. Filed Feb. 12, 1920. Serial No. 358,199. 1 Claim. (Cl. 83—42.)

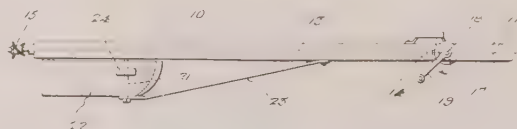
The herein described method of producing wood flour, consisting in screening saw dust, grinding the saw dust under the development of heat to vaporize the moisture contained in the saw dust, subjecting the reduced saw dust and vapors to a blast of air to force them into an elevated separator to separate the vapors from the reduced saw dust, and delivering the saw dust to a bolting cloth by gravity, whereby the saw dust is thoroughly dried before being bolted so as to insure the proper bolting of the same.

- 1,406,939. DISK-RECORD SHIPPER. THOMAS D. CURRIE, Port Huron, Mich., assignor to Joseph Casello, Port Huron, Mich. Filed June 3, 1920. Serial No. 386,204. 1 Claim. (Cl. 206—62.)



A shipping envelope of the character described comprising front and back plates, a plurality of U-shaped spacers secured therebetween, each spacer having arms extending across two sides of the envelope, the spacers being formed with bight portions of different sizes, each spacer opening on one side of the package whereby to receive snugly disk elements of respective sizes, and means to clamp the plates and interposed disks together.

- 1,406,940. SWIMMING DEVICE. CLARENCE E. DARROW, Miami, Fla. Filed June 7, 1921. Serial No. 475,677. 2 Claims. (Cl. 9—18.)

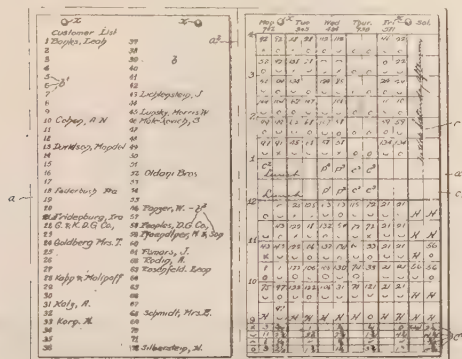


1. A swimming device comprising a pair of flat complementary buoyant members arranged in contact and defining a float, the opposed faces of said members being provided with registering grooves and defining a shaft housing, a shaft rotatable therein, means whereby the shaft may be rotated, a propeller secured upon the shaft and means for steering the float.

- 1,406,941. MEANS FOR CREATING RECORDS OF DATA. ARTHUR L. DAVENPORT, Highland Park, Mich. Filed Oct. 24, 1921. Serial No. 510,093. 10 Claims. (Cl. 283—48.)

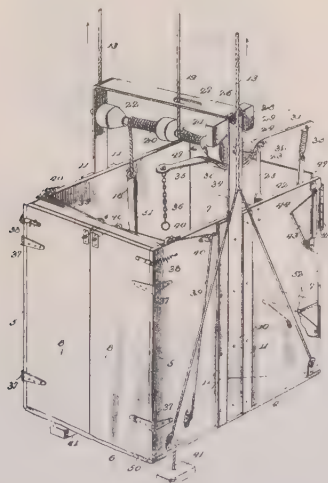
1. As a means for creating records of data in a form for use in collating essential facts covering duty performance during predetermined periods, a schedule carrying identifying indications arranged in a definite order and also having spaces to receive the indications representing the definite sources of the data to be collected, with the identifying indications individual to the source indications, a chart having delineated spaces to receive indications, one of such indications representing an individual source of data presented by such schedule, the

dimensions of such delineated spaces being such as to receive a second indication indicative of a duty performance characteristic, said spaces being arranged in a manner to produce a time schedule of uniform periods each representing fractions of a day and with the periods arranged in a definite sequence, the periods being in divisional arrangement with successive divisions representing successive days, and a blank divided to produce spaces arranged in a succession of divisions with each



division individual to the individual sources presented in the schedule, the spaces of a division of such blank being sufficient in number to receive the data covering the periods of succession of charts with each space adapted to receive duplicates of the duty-performance indications individual to the particular source found in the chart covering the period represented by the space of the blank, whereby the completed blank will graphically present characteristics of the duty-performance during the period covered by the blank record.

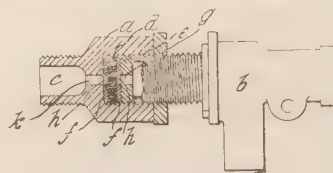
1,406,942. SILO. TULLIE DEAN, Mauckport, Ind. Filed
May 24, 1920. Serial No. 383,769. 8 Claims. (Cl
187-15.)



5. The combination with a silo having a chute of an elevator mounted for sliding movement in the chute, cables for raising the elevator, guide rollers for the cables, weights connected to the cables to overbalance the weight of the elevator, a shaft carried by the elevator, controlling cables wound in opposite directions about the shaft, one of said cables being connected to the elevator and the other of said cables being connected to a fixture above the elevator, a fixed braking element arranged adjacent the shaft, and a manually operable member to bodily shift the shaft through its limited play to and from cooperation with the braking element.

295 O. G.—26

1,406,943. WATER SILENCER. HENRY LEWIS DOULTON, SYDNEY FREDERICK CORBY, and RICHARD JAMES PLEACE, London, England. Filed June 13, 1921. Serial No. 477,319. 4 Claims. (Cl. 137—111.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat L., 1313.)



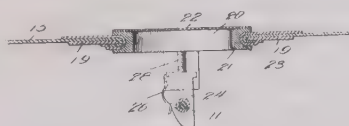
2. A valved water pipe, having constrictions in its bore, provided with means for preventing noise, comprising a disc gauze in the pipe on the inlet side of the valve and remote from the valve, mounted between constrictions in the bore of the pipe, the inlet side being less than half the larger portion of the bore of the pipe, and flexible washers on each side of the disc.

1,406,944. DISPLAY CARD. JOSEPH DOMBER, New York, N. Y., assignor to Cohn-Hall-Marx Company, New York, N. Y., a Corporation of New York. Filed June 29, 1920. Serial No. 392,726. 5 Claims. (Cl. 35—17.)



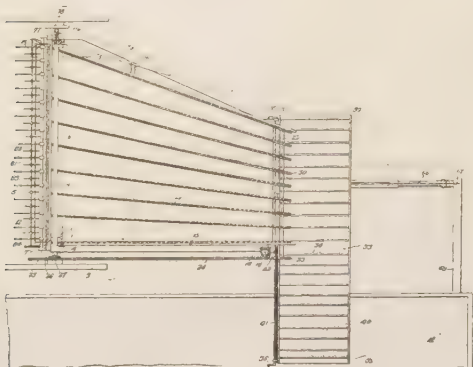
1. A display device including a card formed with a cutout portion, a layer of material adapted to be arranged adjacent said card and secured thereto at the rear of the edge defining said cutout portion and a strip secured to said card and adapted to extend across said cutout, said material being secured to and in part supported by said strip.

1,406,945. STREAM-LINE SHIELD. JOSEPH H. DUNLAP and KARL B. KILBORN, Akron, Ohio, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 29, 1918. Serial No. 242,618. 9 Claims. (Cl. 301—37.)



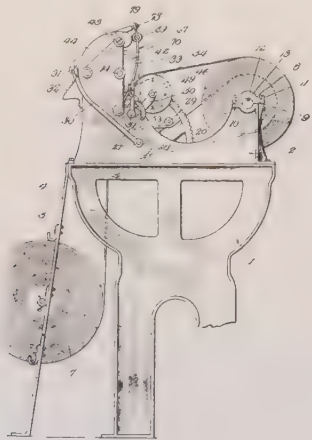
1. In a shield of the character described for use in connection with aeroplane wheels, an annular rim, a circular cover attached to the rim, a plurality of snap fasteners for attaching the rim to the wheel, and means for drawing said rim against the rim of said wheel.

1,406,946. HAY LOADER. OWEN H. EILER, Philadelphia, Pa. Filed Aug. 4, 1919, Serial No. 315,224. Renewed July 11, 1921. Serial No. 483,945. 8 Claims. (Cl. 214-41.)



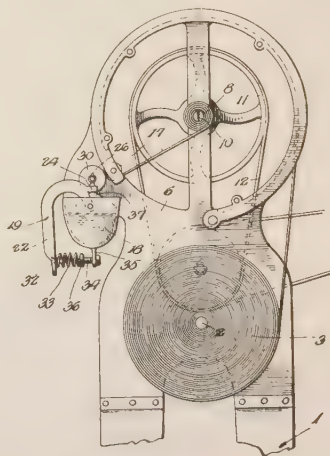
1. In combination with a wagon, a hay loader comprising a frame, an elevating conveyor thereon, a cross conveyor for receiving the hay from the first conveyor, means for attaching the loader to the side of the wagon and means for moving the loader back and forth alongside the wagon to evenly distribute the hay.

1,406,947. STRIP-CUTTING MACHINE. FRANK R. EVANS, Zanesville, Ohio. Filed July 12, 1920. Serial No. 395,432. 2 Claims. (Cl. 164-65.)



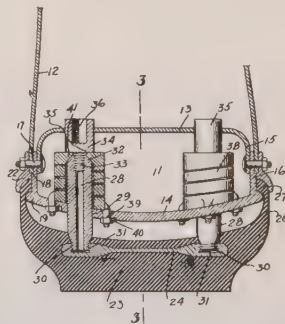
1. In a strip cutting machine, a rotatable shaft, circular knives mounted thereon and removable from the shaft by displacement longitudinally thereof, an oscillatory support, a die roll journaled in the support, means for adjusting the support to move the die roll into and out of cooperative relation to the said knives, means for drawing the material to be cut over the said die roll to be acted upon by the knives, and a guard comprising a frame supported for oscillatory movement whereby it may be swung into and out of cooperative relation to the knives, and guard sections mounted in the frame in position to engage between adjacent knives and presented to the material passing over the die roll, movement of the support for the die roll to position to bring the die roll out of cooperative relation to the knives permitting of movement of the guard out of cooperative relation to the said knives whereby the knives may be removed from their supporting shaft by longitudinal displacement.

1,406,948. CLOTH-PRINTING MACHINE. FRANK R. EVANS, Zanesville, Ohio. Filed July 12, 1920. Serial No. 395,433. 8 Claims. (Cl. 101-228.)



1. In a cloth printing machine, a friction tensioning drum, cloth winding means operating within the circumference of the drum to draw the cloth to be printed over the said drum, a platen located at a point in the circumference of the drum, impression means, and means urging the impression means in the direction of and for cooperation with the said platen.

1,406,949. RESILIENT WHEEL. HENRY T. EVANS, Manhasset, N. Y. Filed Aug. 31, 1921. Serial No. 497,169. 4 Claims. (Cl. 152-8.)

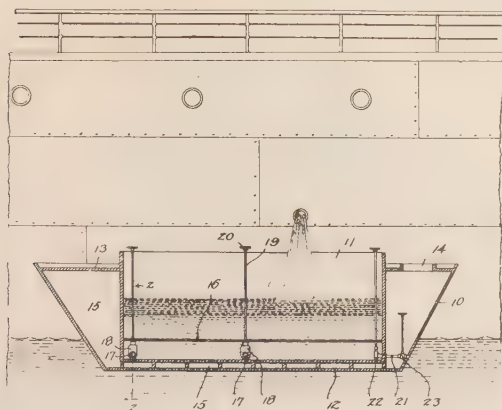


4. In a wheel of the character described including a hub, a rim concentrically supported therefrom, and an elastic annular tread member secured at its opposite side edges to the opposite sides of the rim and provided with a circumferentially contractible and expansible reinforcing ring embedded therein, of means for yieldably supporting the tread member from the rim comprising radially disposed shanks slidable through the rim and attached to the reinforcing ring of the tread member at their outer ends, coiled contractile springs surrounding the inner ends of the shanks and secured at their outer ends to the rim, complementary conical faces on the inner ends of the shanks and the inner convolutions of the springs, and means carried by the inner ends of the shanks for clamping said complementary conical faces into engagement with each other whereby to effect normal radial projection of the shanks for supporting the tread member from the rim under tension.

1,406,950. WASTE-FUEL-OIL-SALVAGING BARGE. HARRY M. FACKERT, Hillside, N. J., assignor to Chelsea Ship Repair Co. Inc., New York, N. Y., a Corporation of New York. Filed Oct. 14, 1921. Serial No. 507,783. 7 Claims. (Cl. 210-51.)

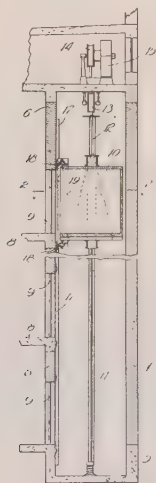
1. An apparatus for salvaging fuel oil from a mixture of said oil and water, comprising a tank adapted to re-

ceive the mixture, means for buoyantly supporting the tank within a body of water, and means for respectively



establishing or cutting off communication between the bottom of the tank and the body of water.

1,406,951. ELEVATOR-HATCHWAY SEAL. FRANK FEHR, Louisville, Ky. Filed Oct. 23, 1920. Serial No. 419,067. 10 Claims. (Cl. 187—1.)

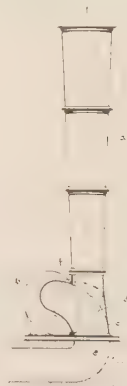


1. In a building having a plurality of floors, the combination of an elevator car operating in a hatchway having openings at said floors, and cooperative means associated with said car and said openings to prevent the circulation of air between either of said openings selectively and said hatchway, said means effecting a continuous closure between the sides of said car and said hatchway and an interrupted closure between the top and bottom of said car and said "hatchway."

1,406,952. INDUCED-DRAFT PLANT. FRANZ FINSTERBUSCH, Charlottenburg, near Berlin, Germany. Filed July 16, 1914. Serial No. 851,284. 1 Claim. (Cl. 110—162.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

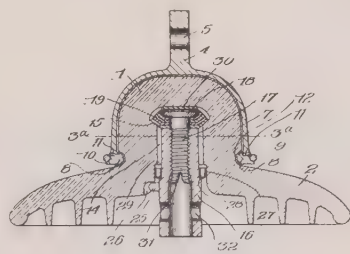
In an induced draft plant for furnaces, the combination with a smoke stack having an opening adjacent the base thereof, of a casing comprising spirally arranged

walls, said casing having open ends, one of said open ends being fitted to the opening at the base of the smoke stack, a plate curved to conform with the spiral walls of the casing, said plate having one of its edges pivotally connected to one of the walls of the casing, the free end



thereof adapted to move into engagement with the walls of the opening of the smoke stack, whereby the area of the passageway between the casing and smoke stack is varied.

1,406,953. STRAIN INSULATOR. WALTER T. GODDARD, Hamilton, Ontario, Canada, assignor, by mesne assignments, to Locke Insulator Corporation, Baltimore, Md., a Corporation of Maryland. Filed Apr. 4, 1916. Serial No. 88,814. 5 Claims. (Cl. 173—318.)

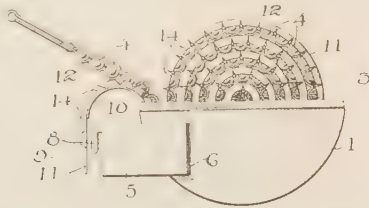


1. In a strain insulator, the combination with an insulating member having an angularly arranged interior shoulder, the angle of the said shoulder with reference to a plane at right angles to the normal direction of strain being not greater than forty-five degrees, of a strain member extending interiorly of the insulating member and including a shouldered support, and retaining means for said support, said means including a plurality of cup shaped plates adapted to fit between the respective shoulders formed on the insulating member and the said support.

1,406,954. CARTRIDGE-BELT CONTAINER. JOHN S. PEOPLES, Washington, D. C., assignor to Newton D. Baker, Secretary of War, trustee. Filed Aug. 6, 1918. Serial No. 248,645. 6 Claims. (Cl. 224—18.)

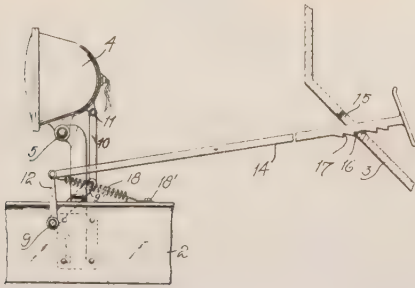
1. A cartridge container comprising upper and lower sections, arms for supporting the said container, said

arms adapted to be placed over a bracket and means secured to the inner surface of the lower portion of said



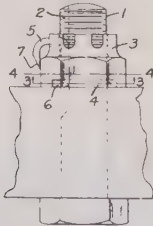
container adapted to be forced outwardly to facilitate the removal of a cartridge belt from said container.

1,406,955. DIRIGIBLE AUTOMOBILE HEAD LAMP. PEDER A. ASBJELD, Beresford, S. D. Filed Mar. 25, 1920. Serial No. 368,614. 1 Claim. (Cl. 240—60.)



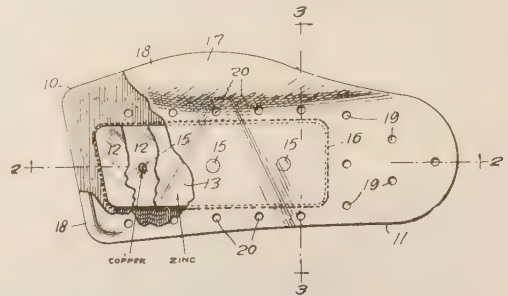
The combination of a rigid bracket, a lamp housing, a centrally positioned lug beneath said housing pivoted to the bracket, a second lug in the rear of the first-mentioned lug, a link pivoted to the last-mentioned lug, a foot pedal, a push rod connected to the pedal, a rock shaft, and means connecting the rock shaft with the push rod and with the link.

1,406,956. NUT LOCK. JAMES HAMILTON BALLENTINE, Huntsville, Ala. Filed Mar. 29, 1919. Serial No. 286,197. 1 Claim. (Cl. 151—4.)



A nut-lock including a bolt having a longitudinal slot severing the bolt threads throughout, a threaded nut applied to said bolt and having an annular recess in the wall of its bolt-receiving opening, a key provided with a laterally extended head adapted to be received by the annular recess of the nut, the opposite attenuated end of said key extending beyond the nut whereby said outer end of the key may be readily bent along the outer face of the nut and thence extended inwardly in contact with the lateral edge or side of said nut, thereby effecting an interlocking connection between said nut and bolt.

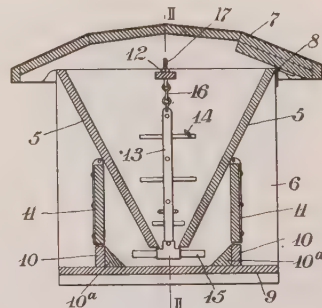
1,406,957. ARCH SUPPORTER. CLARENCE E. CHASE, Harlan, Ky. Filed Apr. 7, 1921. Serial No. 459,215. 1 Claim. (Cl. 36—71.)



The combination of a resilient arch support composed of a plurality of springs and a battery and a covering common to both said members, said battery including a plurality of rivets adapted to hold all said members together and to function as a metallic electrolytic element in said battery.

REISSUES.

15,283. HOG FEEDER. EDWARD A. KLUMP, Basil, Ohio. Filed Sept. 6, 1919. Serial No. 322,190. Original No. 1,303,917, dated May 20, 1919, Serial No. 229,224, filed Apr. 18, 1918. 2 Claims. (Cl. 119—53.)

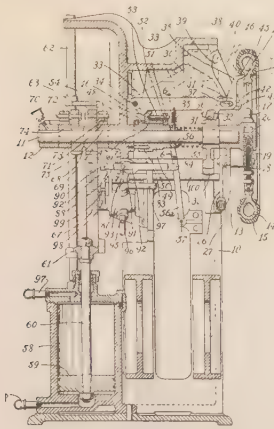


1. In a hog feeder, the combination with a trough and a hopper having a discharge, a feed agitating device consisting of a rigid structure extending upward into the hopper and including a bar provided with cross bars, one of said cross bars being below the discharge of the hopper, and links directly suspending said rigid structure by its upper end from a fixed point in said hopper whereby the rigid structure may be moved vertically and laterally.

15,284. TIRE-CORE-STRIPPING MACHINE. CURT KUENTZEL, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Jan. 12, 1922. Serial No. 528,863. Original No. 1,395,434, dated Nov. 1, 1921, Serial No. 376,587, filed Apr. 26, 1920. 36 Claims. (Cl. 18—2.)

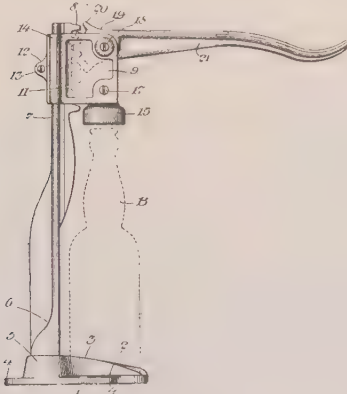
1. In a machine for stripping tire casings from cores, the combination of core-supporting means, and a semi-circular series of tire-stripping members having a substantially fixed relation to the core circumferentially

thereof and adapted to act radially thereof to force an edge of the tire casing over the core on one part of the



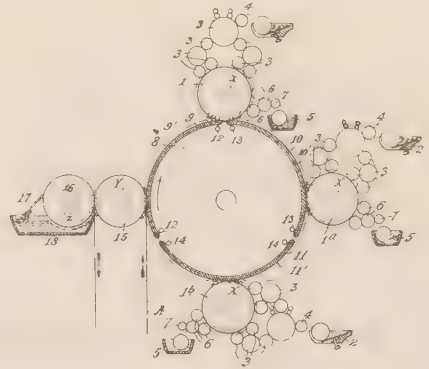
tire circumference while the opposite part remains substantially fixed on the core until the first-said part is clear.

15,285. BOTTLE CAPPER. HARRY J. LEBHERZ, Frederick, Md. Filed Dec. 31, 1921. Serial No. 526,363. Original No. 1,356,161, dated Oct. 19, 1920, Serial No. 377,521, filed Apr. 29, 1920. 5 Claims. (Cl. 226—84.)



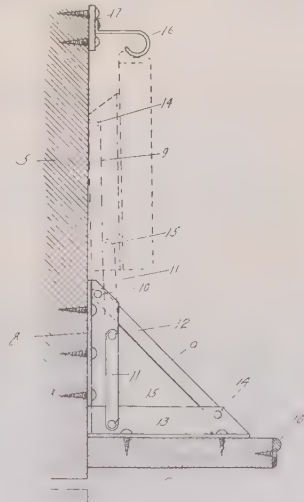
5. A bottle capper comprising a base, a standard thereon having a rack portion spaced from the base, a vertically slidable element adapted to be mounted on the standard, said element when in upright position on the standard extending forwardly of the rack portion and including a depending capping member, and a lever fulcrumed on said extension above the capping member and comprising an outwardly extending operating handle and a segmental toothed head, the teeth of said head being movable through an arc within the extension and being of such disposition and number as to be out of engaging relation with the teeth of the rack portion when the handle is in up-standing position, but meshing with the teeth of the rack portion when the handle is swung forward and downward, the said element and its capping member when the handle is in upstanding position being quickly movable longitudinally of the rack portion to a predetermined operative position for capping, and being also readily removable from the top of the rack portion and reversely mountable thereon with the handle extending downward and longitudinally of the rack portion for convenience of packing and transportation.

15,286. METHOD OF AND APPARATUS FOR MAKING MULTICOLOR PRINTS. OSWALD R. SCHULTZ and OTTO KIRSCH, New York, N. Y. Filed Dec. 22, 1921. Serial No. 524,288. Original No. 1,379,365, dated May 24, 1921, Serial No. 423,889, filed Nov. 13, 1920. 12 Claims. (Cl. 101—137.)



1. In a press for making color prints, the combination comprising a main impression cylinder, blanket means supported thereby, a plurality of offset color-printing cylinders and a supplemental impression cylinder, adapted to yieldingly support a sheet to be printed, all geared to said main cylinder, the periphery of said latter cylinder being at least the equal of the combined peripheries of all the offset color-printing cylinders aforesaid, an intaglio printing cylinder in gear with such supplemental cylinder and adapted to have impression contact with such sheet when the same is supported on said supplemental impression cylinder and means for supplying ink to said offset printing cylinders.

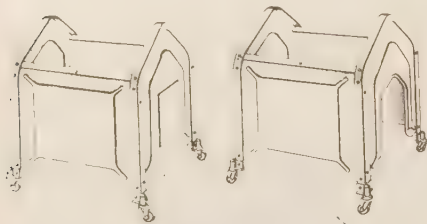
15,287. HOG-FARROWING GUARD RAIL. PAUL W. STANKEE, Davenport, Iowa. Filed Aug. 2, 1920. Serial No. 400,852. Original No. 1,318,815, dated Oct. 14, 1919, Serial No. 267,510, filed Dec. 19, 1918. 3 Claims. (Cl. 119—16.)



1. A device of the class described, comprising a support; plates attached thereto, relatively short links pivoted to the plates; relatively long links pivoted to the plates at points above the pivot points of the short links and beyond the rear vertical side thereof; other plates pivotally connected with the short and long links and located between them; and a guard rail attached to the last mentioned plates.

DESIGNS.

60,393. WASHING-MACHINE CABINET. ALPHEUS W. ALTORFER, Peoria, Ill. Filed Oct. 31, 1921. Serial No. 511,931. Term of patent 14 years.



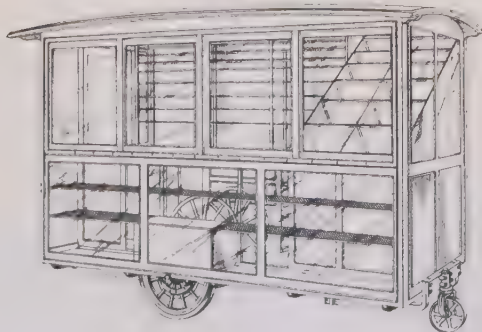
The ornamental design for a washing machine cabinet, as shown.

60,394. COMBINED NUTCRACKER AND BOWL. FRED ERICK C. BAKER, Portland, Oreg. Filed Feb. 28, 1921. Serial No. 448,606. Term of patent 14 years.



The ornamental design for a combined nutcracker and bowl as shown and described.

60,395. VENDING VEHICLE. OSCAR BROCKMAN, Louisville, Ky. Filed Aug. 29, 1921. Serial No. 496,716. Term of patent 14 years.



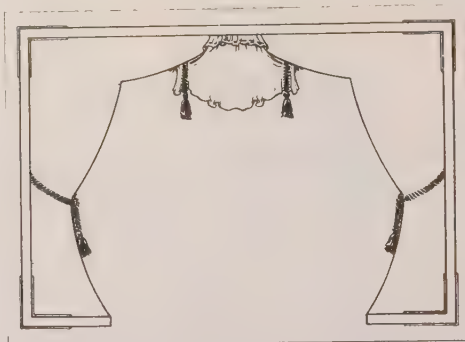
An ornamental design for vending vehicles as shown.

60,396. LAVATORY FIXTURE. STANDISH S. BUDLONG, Rockford, Ill. Filed July 14, 1921. Serial No. 484,775. Term of patent 14 years.



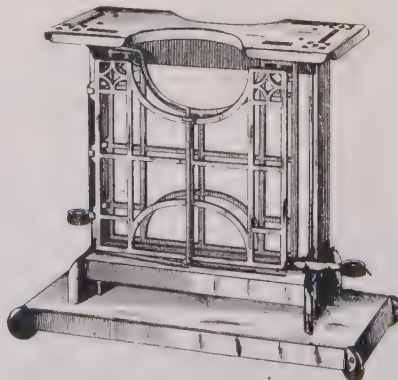
The ornamental design for a lavatory fixture, as shown.

60,397. SAMPLE CARD. HAROLD F. COHEN, New York, N. Y., assignor to Chas. Green Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 23, 1921. Serial No. 463,965. Term of patent 14 years.



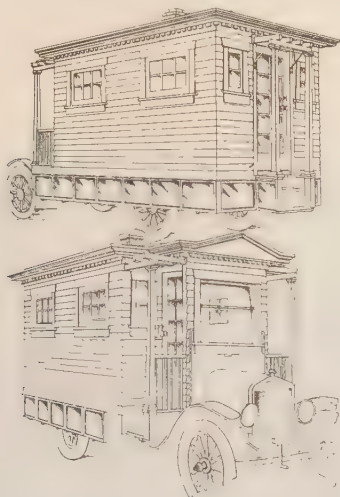
The ornamental design for a sample card substantially as shown.

60,398. TOASTER. GEORGE E. CURTISS, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed May 19, 1921. Serial No. 470,900. Term of patent 14 years.



The ornamental design for a toaster, as shown.

- 60,399. VEHICLE BODY. BERT LESTER EBERT, Long Beach, Calif. Filed Mar. 17, 1921. Serial No. 453,156. Term of patent 7 years.



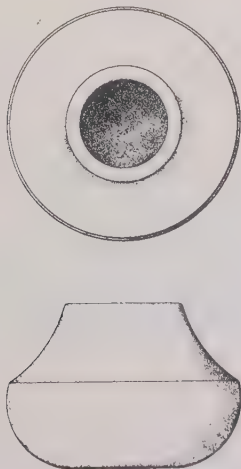
The ornamental design of a vehicle body as shown.

- 60,400. MOTOR-DRIVEN VEHICLE. ROLLIE B. FAGEOL, Oakland, Calif. Filed Aug. 24, 1921. Serial No. 495,106. Term of patent 14 years.



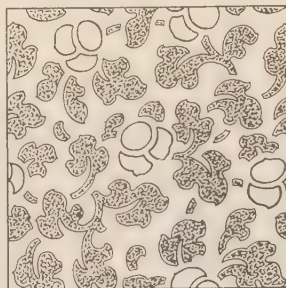
The ornamental design for a motor driven vehicle substantially as shown and described.

- 60,401. PASTE POT. EDWARD E. GALLE, Los Angeles, Calif. Filed Sept. 30, 1920. Serial No. 413,928. Term of patent 14 years.



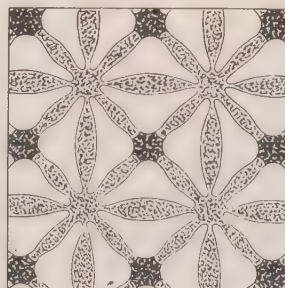
The ornamental design for a paste pot, as shown.

- 60,402. LINOLEUM, OILCLOTH, OR FLOOR COVERING. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1921. Serial No. 520,729. Term of patent 14 years.



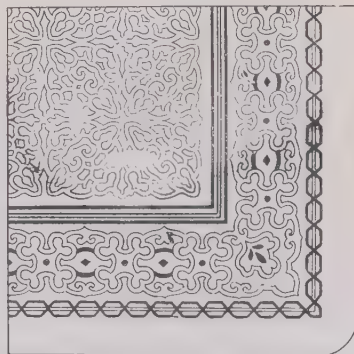
The ornamental design for linoleum, oilcloth, or floor covering as shown.

- 60,403. LINOLEUM, OILCLOTH, OR FLOOR COVERING. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1921. Serial No. 520,730. Term of patent 14 years.



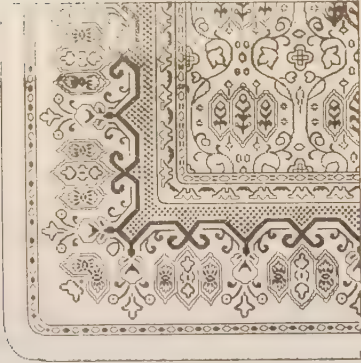
The ornamental design for linoleum, oilcloth, or floor covering as shown.

- 60,404. LINOLEUM, OILCLOTH, OR FLOOR COVERING. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1921. Serial No. 520,731. Term of patent 14 years.



The ornamental design for linoleum, oilcloth, or floor covering as shown.

60,405. LINOLEUM, OILCLOTH, OR FLOOR COVERING. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1921. Serial No. 520,732. Term of patent 14 years.



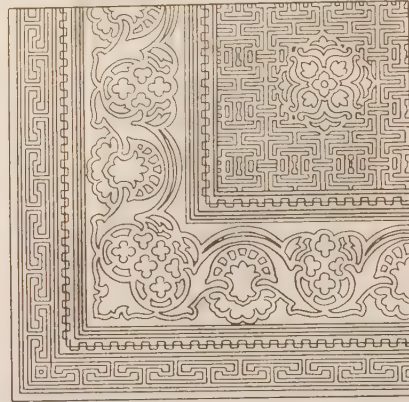
The ornamental design for linoleum, oilcloth, or floor covering as shown.

60,406. LINOLEUM, OILCLOTH, OR FLOOR COVERING. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1921. Serial No. 520,733. Term of patent 14 years.



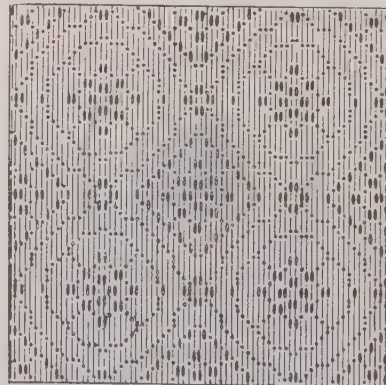
The ornamental design for linoleum, oilcloth, or floor covering as shown.

60,407. LINOLEUM, OILCLOTH, OR FLOOR COVERING. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1921. Serial No. 520,734. Term of patent 14 years.



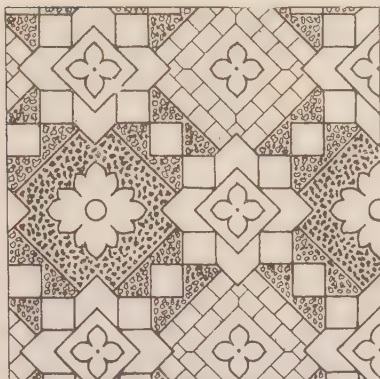
The ornamental design for linoleum, oilcloth, or floor covering as shown.

60,408. LINOLEUM, OILCLOTH, OR FLOOR COVERING. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1921. Serial No. 520,735. Term of patent 14 years.



The ornamental design for linoleum, oilcloth, or floor covering as shown.

60,409. LINOLEUM, OILCLOTH, OR FLOOR COVERING. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1921. Serial No. 520,738. Term of patent 14 years.



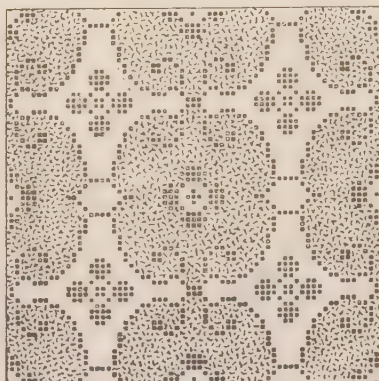
The ornamental design for linoleum, oilcloth, or floor covering as shown.

60,410. LINOLEUM, OILCLOTH, OR FLOOR COVERING. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1921. Serial No. 520,739. Term of patent 14 years.



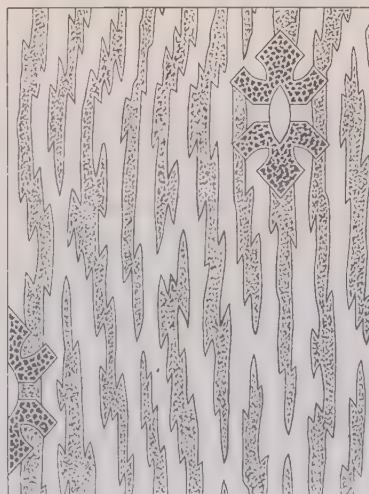
The ornamental design for linoleum, oilcloth, or floor covering as shown.

60,411. LINOLEUM, OILCLOTH, OR FLOOR COVERING. CHARLES F. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1921. Serial No. 520,740. Term of patent 14 years.



The ornamental design for linoleum, oilcloth, or floor covering as shown.

60,412. LINOLEUM, OILCLOTH, OR FLOOR COVERING. HARRY S. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1921. Serial No. 520,741. Term of patent 14 years.



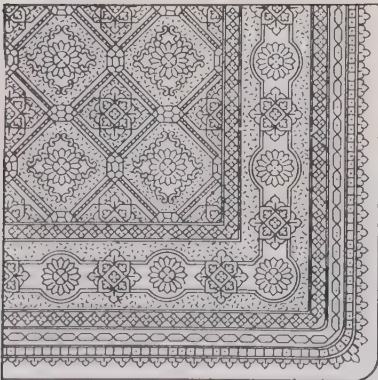
The ornamental design for linoleum, oilcloth, or floor covering as shown.

60,413. LINOLEUM, OILCLOTH, OR FLOOR COVERING. HARRY S. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1921. Serial No. 520,744. Term of patent 14 years.



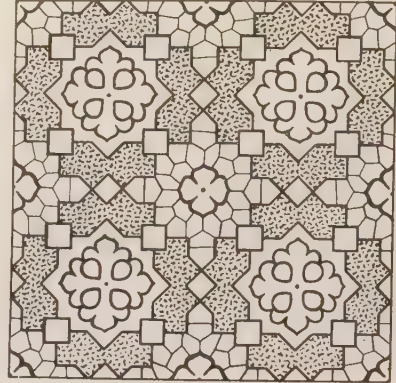
The ornamental design for linoleum, oilcloth, or floor covering as shown.

60,414. LINOLEUM, OILCLOTH, OR FLOOR COVERING. HARRY S. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1921. Serial No. 520,745. Term of patent 14 years.



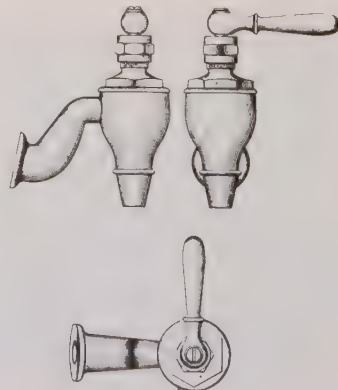
The ornamental design for linoleum, oilcloth, or floor covering as shown.

60,415. LINOLEUM, OILCLOTH, OR FLOOR COVERING. HARRY S. HUMPHREYS, Lancaster, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1921. Serial No. 520,746. Term of patent 14 years.



The ornamental design for linoleum, oilcloth, or floor covering as shown.

60,416. DISPENSING FAUCET. CHARLES N. JACOBY, Rochester, N. Y., assignor to Richardson Corporation, Rochester, N. Y. a Corporation of New York. Filed Sept. 6, 1921. Serial No. 498,920. Term of patent 7 years.



The ornamental design for a dispensing faucet, as shown.

60,417. TEMPERATURE INDICATOR FOR RADIATORS OF AUTOMOBILES. JOSEPH KLEIDMAN, New York, N. Y. Filed May 12, 1921. Serial No. 469,062. Term of patent 3½ years.



The ornamental design for a temperature indicator for radiators of automobiles, as shown.

60,418. FINGER RING. JACQUES KREISLER, New York, N. Y. Filed Dec. 6, 1920. Serial No. 428,822. Term of patent 14 years.



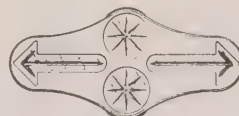
The ornamental design for a finger ring, as shown.

60,419. LACE. THOMAS MONK, Bridgeport, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Oct. 22, 1921. Serial No. 509,740. Term of patent 7 years.



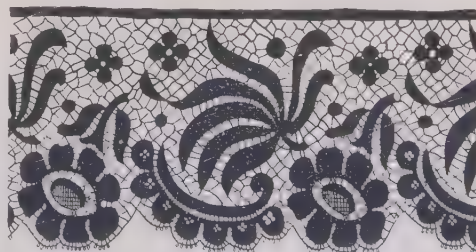
The ornamental design for lace, substantially as shown.

60,420. SIGNAL-LAMP CASING. RICHARD J. McDONOUGH, Cleveland, Ohio. Filed June 21, 1921. Serial No. 479,374. Term of patent 7 years.



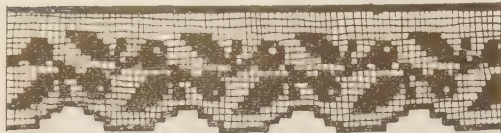
The ornamental design for a signal lamp casing, as shown.

60,421. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Oct. 22, 1921. Serial No. 509,736. Term of patent 7 years.



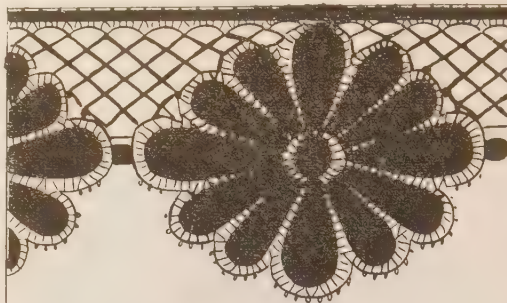
The ornamental design for lace, substantially as shown.

60,422. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Oct. 22, 1921. Serial No. 509,737. Term of patent 7 years.



The ornamental design for lace, substantially as shown.

60,425. LACE. HANS ALBERT PHILIPS, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Oct. 22, 1921. Serial No. 509,733. Term of patent 7 years.



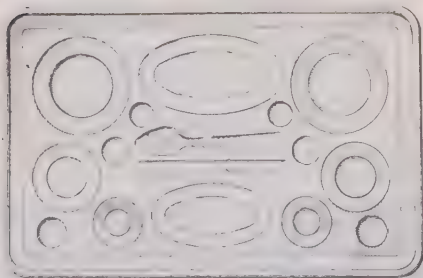
The ornamental design for lace, substantially as shown.

60,423. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Oct. 22, 1921. Serial No. 509,739. Term of patent 7 years.



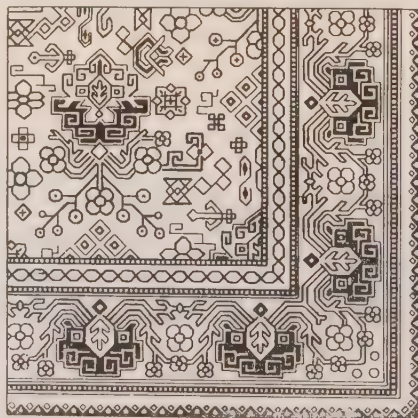
The ornamental design for lace, substantially as shown.

60,424. COMBINATION TRAY. PETER PECORARO, Brooklyn, N. Y. Filed June 1, 1921. Serial No. 474,270. Term of patent 3½ years.



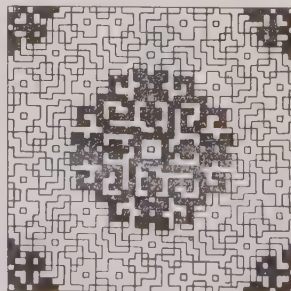
The ornamental design for a combination tray, as shown and described.

60,426. LINOLEUM, OILCLOTH, OR FLOOR COVERING. CORNELIA M. POST, Langhorne, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 13, 1921. Serial No. 522,166. Term of patent 14 years.



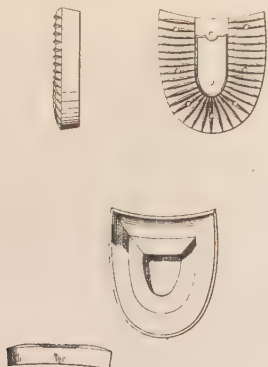
The ornamental design for linoleum, oilcloth or floor covering as shown.

60,427. LINOLEUM, OILCLOTH, OR FLOOR COVERING. CORNELIA M. POST, Langhorne, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 13, 1921. Serial No. 522,167. Term of patent 14 years.



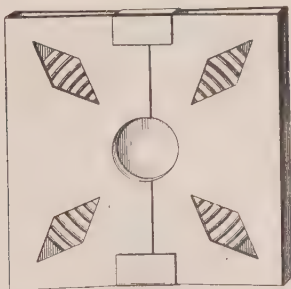
The ornamental design for linoleum, oilcloth or floor covering as shown.

60,428. RUBBER HEEL. GILBERT F. QUINN, Boston, Mass., assignor to Simplex Rubber Company, Boston, Mass. Filed Apr. 27, 1921. Serial No. 464,996. Term of patent 14 years.



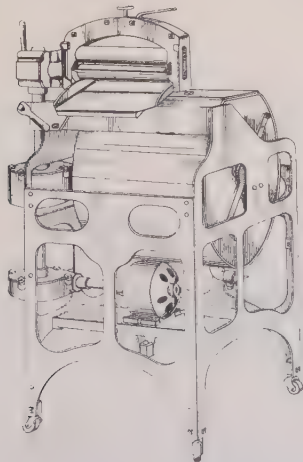
The ornamental design for a rubber heel as shown.

60,429. BELT PACKAGE. FRANCIS F. RANIVILLE, Grand Rapids, Mich. Filed Apr. 23, 1921. Serial No. 463,968. Term of patent 14 years.



The ornamental design for a belt package, substantially as shown.

60,430. WASHING-MACHINE FRAME. FREDERICK C. SEBULSKE, Detroit, Mich., assignor to Sunny Line Appliances, Incorporated, Detroit, Mich., a Corporation of Delaware. Filed Jan. 31, 1921. Serial No. 441,435. Term of patent 14 years.



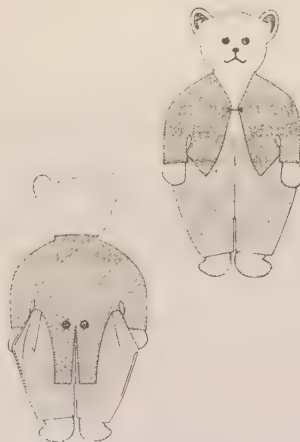
The ornamental design for a washing machine frame, as shown.

60,431. BRUSH. JOSEPH A. TREGO, Philadelphia, Pa. Filed June 25, 1921. Serial No. 480,447. Term of patent 3½ years.



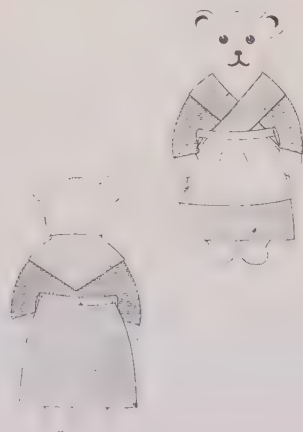
The ornamental design for a brush, as shown.

60,432. TOY BEAR, DOLL, OR SIMILAR ARTICLE OF MANUFACTURE. CLARA W. WERTIN, Duluth, Minn. Filed Apr. 21, 1921. Serial No. 463,396. Term of patent 14 years.



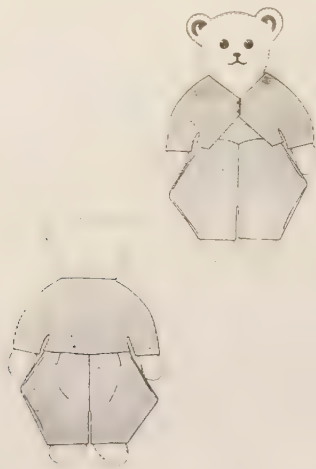
The ornamental design for a toy bear, doll or similar article of manufacture, as shown and described.

60,433. TOY BEAR, DOLL, OR SIMILAR ARTICLE OF MANUFACTURE. CLARA W. WERTIN, Duluth, Minn. Filed Apr. 21, 1921. Serial No. 463,397. Term of patent 14 years.



The ornamental design for a toy bear, doll or similar article of manufacture, as shown and described.

60,434. TOY BEAR, DOLL, OR SIMILAR ARTICLE OF MANUFACTURE. CLARA W. WERTIN, Duluth, Minn. Filed Apr. 21, 1921. Serial No. 463,398. Term of patent 14 years.



The ornamental design for a toy bear, doll, or similar article of manufacture, as shown and described.

60,435. HANDLE FOR A SAFETY RAZOR. EDWARD R. WHARTON, Medford, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a Corporation of Delaware. Filed Mar. 12, 1921. Serial No. 451,825. Term of patent 14 years.



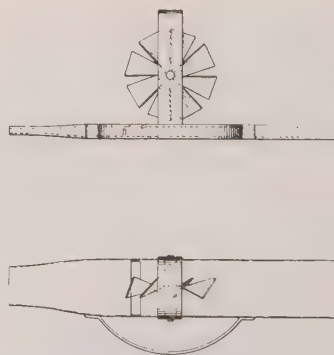
The ornamental design for a handle for a safety razor, as shown and described.

60,436. HANDLE FOR A SAFETY RAZOR. EDWARD R. WHARTON, Medford, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a Corporation of Delaware. Filed Mar. 12, 1921. Serial No. 451,826. Term of patent 14 years.



The ornamental design for a handle for a safety razor, as shown.

60,437. TOY WHISTLE. SAMUEL WOLK, Dorchester, Mass. Filed Oct. 6, 1920. Serial No. 415,168. Term of patent 14 years.



The ornamental design for a toy whistle, as shown.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 14, 1922.

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 108,762. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. WELTE & SONS, INC., Poughkeepsie and New York, N. Y., assignor to Welte-Mignon Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 1, 1918.

PHILHARMONIC

Particular description of goods.—Organs, Automatic Organs, and Orchestrions.

Claims use since Jan. 1, 1911.

Ser. No. 119,892. (CLASS 45. BEVERAGES, NONALCOHOLIC.) KEYSTONE FRUIT PRODUCTS COMPANY, Cincinnati, Ohio. Filed June 24, 1919.

RAINBOW

Particular description of goods.—A Nonalcoholic, Artificially Colored and Flavored Concentrated Sirup for Use at Soda-Water Fountains to be Mixed With Soda Water for Making Beverages.

Claims use since Feb. 1, 1919.

Ser. No. 120,531. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GEER DRUG COMPANY, Charleston, S. C. Filed July 14, 1919.



The picture of the woman forming a part of the mark is fanciful. No claim is made for the words "Fair Skin" apart from the arrangement shown in the drawing.

Particular description of goods.—Skin Cream.

Claims use since in or about the month of May, 1904.

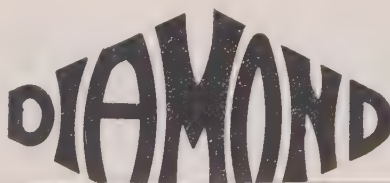
Ser. No. 123,475. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DIAMOND IRON WORKS, Minneapolis, Minn. Filed Oct. 6, 1919.



Particular description of goods.—Oil Engines.

Claims use since 1904.

Ser. No. 124,514. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DIAMOND ELECTRICAL SPECIALTIES CORPORATION, New York, N. Y., assignor to Diamond Electric Specialties Corp., Newark, N. J., a Corporation of New Jersey. Filed Nov. 4, 1919.



Particular description of goods.—A Medicated Preparation Adapted for Use for the Relief of Dyspepsia, Indigestion, Nausea, and Headache.

Claims use since about Jan. 16, 1919.

Ser. No. 137,186. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ALFRED SHALES, Newton, Mass. Filed Sept. 14, 1920.

A. C. E.

Particular description of goods.—Scratch Fillers.

Claims use since May 1, 1920.

Ser. No. 127,887. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEON F. BLUM; Miami, Fla. Filed Feb. 3, 1920.



Particular description of goods.—Jellies.
Claims use since Jan. 10, 1920.

Ser. No. 128,590. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BITZER AND ROMMEL, Greenfield, Mass. Filed Feb. 19, 1920.



Particular description of goods.—Medicinal Preparation to be Used in the Treatment of Asthma.
Claims use since Oct. 1, 1919.

The ornamental design for a handle for a safety razor, as shown and described.

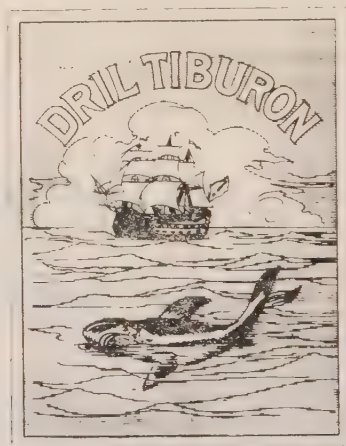
Ser. No. 131,466. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CLEVELAND TRACTOR COMPANY, Euclid, Ohio. Filed Apr. 22, 1920.

Cletrac

Particular description of goods.—Agricultural Implements Consisting of Cultivators, Plows, Harrows, Mowers, Reapers, Binders, and Hitches for Connecting Such Implements and other Vehicles with Tractors.

Claims use since Aug. 11, 1919.

Ser. No. 131,916. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NASHUA MANUFG. COMPANY, Nashua, N. H. Filed May 1, 1920.

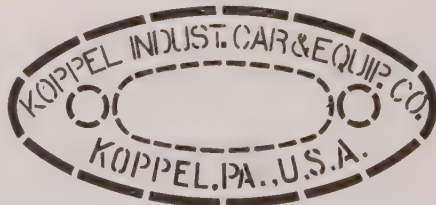


The lining representing blue. No claim being made to the exclusive use of the word "Drill" apart from the mark shown.

Particular description of goods.—Cotton Piece Goods—viz., Cotton Suitings.

Claims use since Apr. 9, 1920.

Ser. No. 132,391. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KOPPEL INDUSTRIAL CAR & EQUIPMENT COMPANY, Koppel and Pittsburgh, Pa. Filed May 13, 1920.



Without waiving any common-law right no claim is made to the exclusive right to the use of the letters "U. S. A." and the words "Koppel, Pa." except as used with the other features of the trade-mark as shown in the accompanying drawing and facsimiles and save for the particular arrangement thereof associated with the elements of the arbitrary design of plate as shown in said drawing and facsimiles.

Particular description of goods.—Electric Locomotive and Electric Tractors.

Claims use since January, 1921.

Ser. No. 134,825. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GEORGE W. KAVANAUGH, INC., New York, N. Y. Filed July 12, 1920.

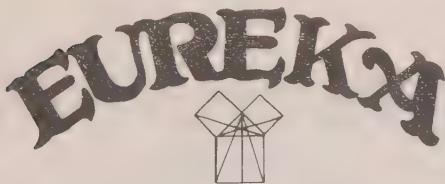


No claim being made to the exclusive right to the use of the word "Brand" apart from the mark shown in the drawing.

Particular description of goods.—Cotton Sheetings and Cotton Cloths in Bolts or in the Piece.

Claims use since March, 1901.

Ser. No. 135,702. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) EUREKA METAL POLISH CO. (INC.), Chicago, Ill. Filed Aug. 2, 1920.



Particular description of goods.—Automobile Polish and Furniture Polish.

Claims use since June, 1919.

Ser. No. 135,771. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed Aug. 3, 1920. Under ten-year proviso.

FLEXO

Particular description of goods.—Dental Files and Dental Saws.

Claims use since the 25th day of March, 1890.

295 O. G.—27

Ser. No. 135,820. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NISSLEY CREAMERY COMPANY, Fort Worth, Tex. Filed Aug. 5, 1920.



Consists of the representation of a grotesque figure of a bear without hair and wearing an apron with the word "Mistletoe" drawn thereon on a dark circular field.

Particular description of goods.—Sweet Milk in Bottles and in Bulk, Butter, Buttermilk in Bottles and in Bulk, Ice Cream, Powdered Milk, Sweet Cream, Cheese, and Condensed Milk.

Claims use since Apr. 5, 1920.

Ser. No. 136,048. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THATCHER-CLORE DRUG CO., Columbus, Ohio. Filed Aug. 12, 1920.

THACLO

Particular description of goods.—A Medicated Preparation Adapted for Use for the Relief of Dyspepsia, Indigestion, Nausea, and Headache.

Claims use since about Jan. 16, 1919.

Ser. No. 137,186. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ALFRED SHALES, Newton, Mass. Filed Sept. 14, 1920.

A. C. E.

Particular description of goods.—Scratch Fillers.

Claims use since May 1, 1920.

Ser. No. 137,211. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BARUCH CERF, Milwaukee, Wis., and Chicago, Ill. Filed Sept. 15, 1920.

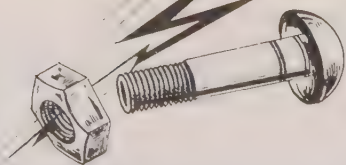


Particular description of goods.—Canned Fruits, Canned Vegetables, Canned Fish, Dried Fruits, Dried Vegetables, Dried Fish, Fresh Deciduous Fruits, Fresh Citrus Fruits, Fresh Vegetables, Fruit Jams, Fruit Jellies, Fruit Preserves, Fruit Butters, Coffee, Tea, Cocoa, Chocolate, Candy, Chewing Gum, Sugar, Syrup Used as a Food, Molasses, Breakfast Cereals, Wheat and Rye Flour; Farinaceous Specialties—Namely, Tapioca, Sago, and Farina; Alimentary Pastes, Biscuits, Crackers, Butter, Oleomargarine, Lard, Condensed Milk, Evaporated Milk, Eggs, Cheese, Olive Oil, Salad Oil, Honey, Food-Flavoring Extracts, Gelatines, Nuts, Shelled and in Their Natural State, Catsup, Spices, Vinegar, Pickles, Olives, Yeast, and Corn Starch.

Claims use since August, 1915.

Ser. No. 137,223. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HALSTEAD SPECIALTIES COMPANY, San Francisco, Calif. Filed Sept. 15, 1920.

RUST-KUT



Particular description of goods.—A Rust Solvent.
Claims use since Nov. 10, 1919.

Ser. No. 137,992. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOLOMON ABOWITCH, Brooklyn, N. Y. Filed Oct. 6, 1920.

Odotalgin

TABLETS

Exclusive right to the use of the word "Tablets" being disclaimed.

Particular description of goods.—A Medicine to be Used as a Relief for Pain After an Extraction.

Claims use since January, 1920.

Ser. No. 138,366. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) J. R. WOOD & SONS, New York, N. Y. Filed Oct. 15, 1920.



Particular description of goods.—Finger Rings, Cuff Links and Buttons, Belt Buckles, Bar Pins, Bracelets, Tie Clasps, Lavallières, Locketts, Neck Chains, Watch Chains, and Key Chains, All Made of or Plated with Precious Metal.

Claims use since Jan. 1, 1884.

Ser. No. 138,512. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PEARL COTTON MILLS, Durham, N. C. Filed Oct. 19, 1920.

PEARL

Particular description of goods.—Sheetings.
Claims use since the early part of 1895.

Ser. No. 138,766. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MORRIS ISRAEL, New York, N. Y. Filed Oct. 25, 1920.



No claim being made to the word "Fabrics" apart from the mark shown.

Particular description of goods.—Fabrics in the Piece Made of Cotton, Silk, and Linen for Use in the Making of Corsets.

Claims use since Jan. 1, 1915.

Ser. No. 138,965. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GEORGE ALBERT STAFFORD, New York, N. Y. Filed Oct. 29, 1920.



No claim being made for the descriptive or geographical matter shown in the facsimile—to wit: the words, "Made in U. S. A." and "Calidad y Colores Garantizado por G. A. Stafford & Co., New York."

Particular description of goods.—Woven Cotton Fabrics in the Piece.

Claims use since Apr. 1, 1915.

Ser. No. 139,083. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MAGNO STORAGE BATTERY CO., Brooklyn, N. Y. Filed Nov. 2, 1920.



Particular description of goods.—Electric Batteries.
Claims use since Oct. 25, 1920.

Ser. No. 139,109. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE BORROMITE COMPANY OF AMERICA, Chicago, Ill. Filed Nov. 3, 1920.

Borromite

Particular description of goods.—Water-Softening Apparatus.

Claims use since about Nov. 1, 1910.

Ser. No. 139,989. (CLASS 13. HARDWARE AND PLUMBING, AND STEAM-FITTING SUPPLIES.) JAMES D. RAWLES COMPANY, Boston, Mass. Filed Nov. 22, 1920.



No claim is made to the word "Metal" apart from the mark shown.

Particular description of goods.—Metal Pipe Fittings, Pipe Hangers, Valves, and Nuts.

Claims use since Nov. 4, 1919.

Ser. No. 140,189. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MILLER WALL PAPER AND PAINT CO., St. Louis, Mo. Filed Nov. 26, 1920.



The word "Miller" running from top to bottom twice and from left to right twice in gold letters on a black Geneva cross set in a circle, outside of which are the words, "Miller Wall Paper and Paint Company," forming a gold seal. The words "Miller's" and "Stamp of Quality" are disclaimed from the mark shown on the drawing.
Particular description of goods.—House Paints of All Colors.

Claims use since Jan. 1, 1920.

Ser. No. 140,636. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLONIAL EXPORT & IMPORT COMPANY, New York, N. Y. Filed Dec. 6, 1920.

ROYAL SEAL

Particular description of goods.—Wheat Flour.
Claims use since 1907.

Ser. No. 140,851. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUN LITE BAKERIES SYSTEM INC., Pittsburgh, Pa. Filed Dec. 9, 1920.



The trade-mark consists of the word "Sun Lite" placed above "Bakeries System," with a segment of a representation of the sun combined with the mark placed about midway of the length thereof, showing rays radiating from it.

Particular description of goods.—Bakery Products—Namely, Bread, Rolls, Buns, Cakes, Desserts, Pies, Crackers, Biscuits.

Claims use since June 5, 1920.

Ser. No. 140,976. (CLASS 48. MALT BEVERAGES, EXTRACTS AND LIQUORS.) ALBERT WIELICH, New York, N. Y. Filed Dec. 11, 1920.



MALT EXTRACT

No claim is made to the exclusive use of the words "Malt Extract" apart from the mark as shown.

Particular description of goods.—Malt Extracts.

Claims use since Nov. 15, 1920.

Ser. No. 141,109. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE E. C. HARLEY COMPANY, Dayton, Ohio. Filed Dec. 15, 1920.

COURIER

Particular description of goods.—Canned Fruits, Canned Vegetables, Canned Fish, and Teas.

Claims use since Nov. 10, 1920.

Ser. No. 141,581. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHNSON EDUCATOR FOOD COMPANY, Cambridge, Mass. Filed Dec. 28, 1920.

COCONUTLAND

Particular description of goods.—Cookies, Crackers, Cakes, and Biscuits.

Claims use since Oct. 28, 1920.

Ser. No. 141,633. (CLASS 25. LOCKS AND SAFES.) JOHN H. GREER, San Francisco, Calif. Filed Dec. 29, 1920.

NEST EGG

Particular description of goods.—Portable Savings Bank.

Claims use since Dec. 22, 1920.

Ser. No. 141,634. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER J. HAEGERLEIN, Camden, N. J. Filed Dec. 29, 1920.

KREEM NUT

Consisting of the words "Kreem Nut," no claim being made to the exclusive use of the word "Nut" apart from the mark as shown on the drawing.

Particular description of goods.—Oleomargarine.

Claims use since Nov. 24, 1920.

Ser. No. 142,731. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) TWIN CITY FORGE AND FOUNDRY COMPANY, Stillwater, Minn. Filed Jan. 24, 1921.



Particular description of goods.—Drop Forgings and Castings.

Claims use since on or about Mar. 1, 1919.

Ser. No. 142,752. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DELISCO CORPORATION, LIMITED, Boston, Mass. Filed Jan. 25, 1921.



Particular description of goods.—A Coffee Compound Containing a Small Proportion of Genuine Coffee, to be Used as a Coffee Substitute.

Claims use since Aug. 21, 1919.

Ser. No. 142,766. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PERMANENT MANUFACTURING Co., Oakland, Calif. Filed Jan. 25, 1921.

The Needle of The Century

A Near Permanent Needle



The applicant hereby disclaims the words "Needles, A Near Permanent Needle, The Needle of the Century," and the representation of a phonograph needle apart from the mark shown in the drawings.

Particular description of goods.—Needles or Styli for Sound-Reproducing Instruments.

Claims use since Dec. 15, 1920.

Ser. No. 143,141. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) LAURENCE J. RINALDO, Saratoga Springs, N. Y. Filed Feb. 3, 1921.

CASTOR



GEMS

No claim being made to the word "Gems" and the representation of a gem except as shown in the drawing.

Particular description of goods.—Imitation gems.

Claims use since 1915.

Ser. No. 143,831. (CLASS 17. TOBACCO PRODUCTS.) FLORA W. PINKUS, New York, N. Y. Filed Feb. 19, 1921.



COFFIN-NAILS

Particular description of goods.—Cigarettes.

Claims use since Dec. 31, 1919.

Ser. No. 143,999. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRANKLIN T. PARKER, Columbia, S. C. Filed Feb. 24, 1921.



No claim being made to exclusive use of the word "Brand."

Particular description of goods.—Reenforced Press Cloth Furnished in the Piece for Use in Oil-Seed Presses.

Claims use since Sept. 15, 1920.

Ser. No. 144,524. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) J. HIRSHBERG Co. Inc., McKeesport, Pa. Filed Mar. 9, 1921.



Particular description of goods.—Phonographs.

Claims use since Jan. 1, 1920.

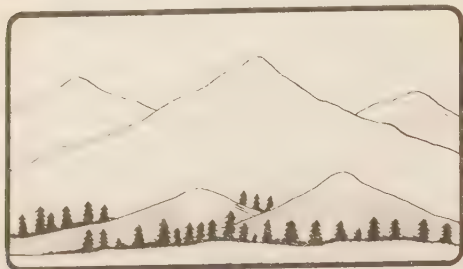
Ser. No. 144,532. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JAS. H. MATTHEWS & Co., Pittsburgh, Pa. Filed Mar. 9, 1921. Under ten year proviso.

MATTHEWS

Particular description of goods.—Marking Tools Consisting of Brass Printing Dies, Brands, and Dies Made of Steel for Marking Articles Formed of Metal.

Claims use since 1887.

Ser. No. 144,550. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TWIN CITY GRO. CO., Elkhart, Ind. Filed Mar. 9, 1921.



SNOW CAP

Particular description of goods.—Wheat Flour.
Claims use since Dec. 18, 1920.

Ser. No. 144,704. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE AIR-WAY ELECTRIC APPLIANCE CORPORATION, Toledo, Ohio. Filed Mar. 14, 1921.

The Air-Way

Particular description of goods.—Washing Machines and Parts Thereof, and Particularly Those of the Electric-Driven Type for Washing Clothes.

Claims use since Feb. 18, 1921.

Ser. No. 144,891. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HUGO BÜCHNER, MASCHINENFABRIK UND APPARATEBAU-ANSTALT GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Berlin, Germany. Filed Mar. 17, 1921.

Rollfix

Particular description of goods.—Roller Stropping Apparatus for Razors and Safety-Razor Blades.

Claims use since July 12, 1915.

Ser. No. 145,586. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) POLYPHONWERKE AKTIENGESELLSCHAFT, Berlin, Germany. Filed Apr. 1, 1921.

Polydor

Particular description of goods.—Phonographic Note Disks, Phonographic Note Cylinders, Phonographic Sound Plates or Records, Sound Boxes, Horns, Needles, and Pins for Phonographs and the Like, and Accessories of Phonographs—Namely, Spring-Operated Running Works and Starting and Stopping Devices for Phonographs.

Claims use since 1914.

Ser. No. 145,886. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRO MANUFACTURING COMPANY, Brooklyn, N. Y. Filed Apr. 8, 1921.

ELECTROSE

Particular description of goods.—Fabricated Material for Electrical Insulation, Composition of Matter for Electrical Insulators, and Electrical Insulating Products—Namely, Disc, Strain, Suspension, Line, Pin-Type Line, Safety Strain, Hood Thimble, Rod Type, Bracket-Arm Strain, Spool Type, Arc Lamp, Bus Bar, Feed Wire, Third Rail, and Trolley Wire and Suspension Insulators; Insulator Pins; Roof, Barrier, and Wall Bushings; Insulating Supports and Pedestals; Insulating Knobs, Handles, Sheets, Tubes, and Rods; Insulated Turnbuckles, Caps, Cones, Bolts, Distributor Blocks, Discs, Switch Bases, Spools, Brush Holders, Ignition Parts, Battery Jars, and other Articles Adapted for Electrical Insulation.

Claims use since July 7, 1892.

Ser. No. 145,893. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GENERAL BAKING COMPANY, New York, N. Y. Filed Apr. 8, 1921.

Bonds

Particular description of goods.—Cake, Pastry, Biscuits, Cookies, Crackers, and Fried Bakery Products—Namely, Doughnuts.

Trade-mark has been continuously used in the business of the applicant, General Baking Company, as a trade-mark for bread since about June 1, 1915. The trade-mark has been continuously used in the business of the applicant in connection with the goods for which it is specifically claimed herein since about Jan. 1, 1921.

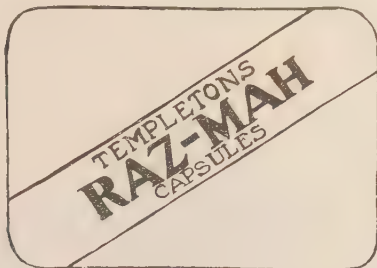
Ser. No. 146,165. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUY O. CLARK, Vancouver, British Columbia, Canada, and Seattle, Wash. Filed Apr. 14, 1921.

Cremo

Particular description of goods.—A Dairy Product Consisting of Whole Milk to Which is Added Enough Cream to Make the Butter-Fat Contents Eight Per Cent and Then Homogenizing and Pasteurizing the Same.

Claims use since Mar. 1, 1920.

Ser. No. 146,278. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TEMPLETON'S LIMITED, Toronto, Ontario, Canada. Filed Apr. 16, 1921.



No claim being made to the word "Capsules" apart from the mark shown.

Particular description of goods.—A Medicine for Asthma.

Claims use since Nov. 17, 1919.

Ser. No. 146,285. (CLASS 17. TOBACCO PRODUCTS.) THE AMERICAN TOBACCO COMPANY, New York, N. Y. Filed Apr. 18, 1921.



Particular description of goods.—Smoking and Chewing Tobacco and Cigarettes.

Claims use since about July 23, 1920.

Ser. No. 146,367. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COÖPERATIEVE ZUIVEL-EXPORT-VEREENIGING "NOORD-HOLLAND," Alkmaar, Netherlands. Filed Apr. 19, 1921.



No claim is made to the exclusive use of the terms "Fromage de Hollande, Dutch Cheese, Inesos de Holanda" and the representation of the cheese apart from the mark shown.

Particular description of goods.—Cheese.

Claims use since May, 1920.

Ser. No. 146,368. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COÖPERATIEVE ZUIVEL-EXPORT-VEREENIGING "NOORD-HOLLAND," Alkmaar, Netherlands. Filed Apr. 19, 1921.



The lining in the drawing is for the purpose of indicating the color green. No claim is made to the exclusive use of the term "Noord-Holland" apart from the mark shown.

Particular description of goods.—Cheese.

Claims use since Oct. 1, 1919.

Ser. No. 146,416. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUNBAR MOLASSES & SYRUP CO., New Orleans, La. Filed Apr. 20, 1921.



Particular description of goods.—Molasses.

Claims use since on or about Jan. 10, 1921.

Ser. No. 146,445. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LESSMANN BROS., New York, N. Y. Filed Apr. 20, 1921.



Particular description of goods.—Cutlery—viz., Scissors, Pocketknives, Carving Knives, Razors, and Razor Blades.

Claims use since Apr. 11, 1921.

Ser. No. 146,599. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Dr. SPIEKER'S BULGARIAN YOGHURT CORPORATION, New York, N. Y. Filed Apr. 22, 1921.



The words "Bulgarian Yoghurt" being disclaimed as forming no part of the trade-mark.

Particular description of goods.—Sour Milk.

Claims use since Mar. 5, 1921.

Ser. No. 147,142. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) H. C. WHITE COMPANY, North Bennington, Vt. Filed May 2, 1921.

KIDDIE-KOASTER

Said trade-mark is composed of red letters, each with a black margin. Applicant disclaims the word "Koaster" apart from the mark as shown.

Particular description of goods.—Four-Wheeled Play Wagons for Children.

Claims use since Feb. 28, 1921.

Ser. No. 147,221. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. F. THIBODEAU COMPANY, Detroit, Mich. Filed May 4, 1921.

WELLPAKT

Particular description of goods.—Eggs.

Claims use since Mar. 15, 1921.

Ser. No. 147,363. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN MORRELL & COMPANY, Ottumwa, Iowa. Filed May 7, 1921.



Particular description of goods.—Smoked Hams, Fresh and Smoked Shoulders, Fresh and Smoked Boneless Butts, Smoked Picnics, Bacon, Dried Beef, Fresh and Pickled Tongues, Lard, Lard Oil, Cheese, Butter, Eggs, Fresh and Smoked Pork Loin, Fresh and Smoked Sausage, Canned and Pickled Souse, Canned and Pickled Tripe, Canned Chile con Carne, Corned Beef, Canned Extract of Beef; Fresh, Canned, and Pickled Lunch Tongue; Canned Potted Meat, Fresh Roast Beef; Fresh, Pickled, and Canned Luncheon Meat; Fresh, Pickled, and Canned Hash; Fresh, Pickled, and Canned Oxtongue; Fresh, Pickled, and Canned Meat Loaf; Fresh, Pickled, and Canned Deviled Meat; Oxtail Soup, Marmalade, Vegetable Soup, Plum Pudding, Canned Pork and Beans, Mincemeat, Fresh Brains, Pickled and Fresh Feet, Pickled and Fresh Hearts, Fresh and Smoked Tenderloins, Pickled and Fresh Hocks, Fresh Sweetbreads.

Claims use on bacon, hams, picnics, shoulders, dried beef, boneless butts, tongues, lard, cheese, butter, eggs, pork loin, sausage, tripe, chile con carne, corned beef, extract of beef, lunch tongues, potted meat, roast beef, hash, oxtongues, meat loaf, oxtail soup, marmalade, plum pudding, pork and beans, mince meat, feet since Oct. 13, 1920; on lard oil, souse, luncheon meat, deviled meat, vegetable soup, brains, hearts, tenderloins, hocks, sweetbreads since Mar. 7, 1921.

Ser. No. 147,373. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPERRY FLOUR COMPANY, San Francisco, Stockton, Fresno, Vallejo, and Los Angeles, Calif.; Creston, Spokane, and Tacoma, Wash., and Ogden, Utah. Filed May 7, 1921.



No claim being made to the word "Products" or to the slogan "In Every Home" apart from the other features of the mark as shown on the drawing, except that

the applicant does not relinquish any of its common-law rights in connection therewith.

Particular description of goods.—Wheat Flour.

Claims use since Oct. 1, 1908.

Ser. No. 148,178. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES. THE THOMSON-DIGGS COMPANY, Sacramento, Calif. Filed May 24, 1921.



Particular description of goods.—Tin, Galvanized, Enameled, Copper, and Aluminum Portable Washtubs, Washboilers; Tin, Copper, Glass, Brass, and Enameled Washboards; Clothespins, and Wooden Ironing Boards.

Claims use since Jan. 1, 1918.

Ser. No. 148,275. (CLASS 37. PAPER AND STATIONERY.) HAMILTON CARD & PAPER HOUSE, INC., New York, N. Y. Filed May 26, 1921.



No claim being made to the word "Products" apart from the mark shown by the drawing.

Particular description of goods.—Paper and Parchment Mailing or Correspondence Envelopes, Statements, Bill Heads, Bond Paper, Typewriter Paper, Onionskin Paper, Index Cards, and Filing Folders.

Claims use since September, 1917.

Ser. No. 148,450. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAROLD J. MEYER, St. Joseph, Mo. Filed May 31, 1921.

M
E
M
E
Y
E
R
E
R

Particular description of goods.—Salted Peanuts, Almonds, Pecans, and Filberts.

Claims use since June 20, 1919.

Ser. No. 148,464. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED BAKERIES CORPORATION, St. Louis, Mo. Filed May 31, 1921.

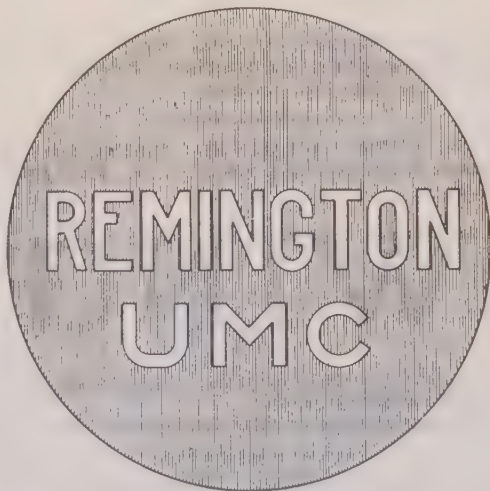
Ambrosia Cake
FOOD
FOR THE
GODS

No claim is made to the use of the word "Cake" and the phrase "Food for the Gods" apart from the mark shown in the drawing.

Particular description of goods.—Cake.

Claims use since the 1st day of March, 1920.

Ser. No. 148,553. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) REMINGTON ARMS COMPANY, INC., Bridgeport, Conn.; Ilion and New York, N. Y., and Swanton, Vt. Filed June 2, 1921.



The area inclosed by the circle being red.

Particular description of goods.—Cash Registers and Parts Thereof.

Claims use since Mar. 30, 1921.

Ser. No. 148,554. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) REMINGTON ARMS COMPANY, INC., Bridgeport, Conn.; Ilion and New York, N. Y., and Swanton, Vt. Filed June 2, 1921.



Particular description of goods.—Cash Registers and Parts Thereof.

Claims use since Mar. 30, 1921.

Ser. No. 148,570. (CLASS 37. PAPER AND STATIONERY.) WORK-ORGANIZER SPECIALTIES COMPANY, Detroit, Mich. Filed June 2, 1921.

Work-Organizer

Particular description of goods.—Filing Folders, Data Books, Article Sorting and Distributing Folders.

Claims use since Feb. 1, 1914.

Ser. No. 148,888. (CLASS 39. CLOTHING.) THE GEORGE JAMES COMPANY, Boston, Mass. Filed June 9, 1921.

WING

Particular description of goods.—Cut Soles of Leather Prepared for Shoe Repairing.

Claims use since on or about the 1st day of July, 1920.

Ser. No. 148,998. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed June 11, 1921.

BROWNIE

Particular description of goods.—Safety Razors.

Claims use since May 27, 1921.

Ser. No. 149,173. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DE DANSKE MEJERIFORENINGERS MÆLKKE-EXPORT, Aarhus, Denmark. Filed June 15, 1921.



The lining in the drawing indicates red.

Particular description of goods.—Milk Products—Namely, Sterilized and Condensed Milk, Cream, and Dried Milk.

Claims use since Jan. 31, 1920.

Ser. No. 149,484. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PORTLAND FLOURING MILLS Co., Portland, Oreg. Filed June 21, 1921.



Particular description of goods.—Flour, Particularly Wheat Flour, Buckwheat Pancake Flour, Pancake Flour, Cake and Pastry Flour; Also Cereals, Particularly Wheat Hearts, Wheat Flakes, Farina, Steel-Cut Oats, Rolled Oats, Yellow Corn Meal, White Corn Meal; Also for Poultry Feeds and Stock Feeds, Particularly Scratch Feed, Growing-Chick Scratch, Baby-Chick Scratch, Chick Mash, Growing Mash, Egg Mash; Egg Mash, (N. B. ;) Crate Fattener, Molasses Stock Feed, Molasses Chop Feed, Alfalfa Molasses Feed, Hog Feed, Chop Feed, Dairy Feed, Molasses Dairy Feed, Calf Meal, and Dried Buttermilk.

The trade-mark shown in the drawings has been continuously used in the business of said corporation since Jan. 1, 1919, and the word "Olympic" since January, 1897.

Ser. No. 149,607. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y. Filed June 24, 1921.

WORTHINGTON



Particular description of goods.—Pumping Machinery, Pumps, Apparatus for Raising and Forcing Liquids, Air Lift Pumps; Hydraulic Machinery, Water Turbines, Steam Engines, Steam Turbines, Boiler Feed Water Apparatus, Internal-Combustion Engines, Tractors, Compressors, Blowers, Ejectors; Metal Pump, Compressor, and Engine Valves; Exhaust Relief Valves and Automatic By-Pass and Check Valves Used as Parts of Steam-Engine or Similar Steam Plants, Condensing Apparatus, Evaporating Apparatus, Cooling Towers, Vacuum Breakers, Accumulators, Oil Separators, Gas Producers, Gas Expanders, Mining and Smelting Machinery, Converters, Sampling Apparatus, Chlorination Apparatus, Amalgamating Apparatus, Cyaniding Apparatus, Expressing Presses, Crushing and Grinding Machinery, Crushers, Stamp Mills, Huntington Mills, Chilean Mills, Ball and Tube Mills, Log Washers, Corn and Cob Mills, Mixers, Sifters, Cement-Making Apparatus, Sawing Apparatus, Rotary Driers, Wood-Pre-serving Apparatus, Power-Transmission Apparatus, Elevators and Hoists, Pump Jacks, Wire Straighteners.

Claims use since 1885.

Ser. No. 149,618. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ASHCRAFT-WILKINSON COMPANY, Atlanta, Ga. Filed June 25, 1921.



No claim being made to "Brand" and "Cotton Seed Meal 43% Protein."

Particular description of goods.—Cotton-Seed Meal.

Claims use since September, 1920.

Ser. No. 149,679. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BUCKEYE COTTON OIL COMPANY, Cincinnati, Ohio. Filed June 27, 1921.

WHITE MULE STOCK FEED

No claim is made for the use of the words "Stock Feed" apart from the mark as shown.

Particular description of goods.—Stock Feed.

Claims use since Oct. 29, 1920.

Ser. No. 149,859. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MELVIN O. MILHOAN, Olathe, Kans. Filed June 30, 1921.



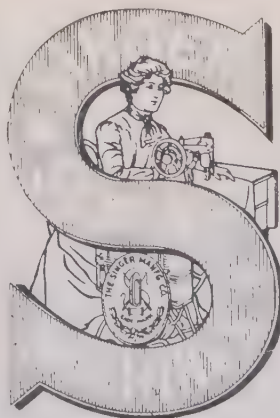
Flicker

No claim being made to the words "Trade-Mark" apart from the mark shown.

Particular description of goods.—A Preparation for the Treatment of Piles and a Preparation for the Treatment of Rickets or St. Vitus's Dance and Nervous Diseases.

Claims use since Mar. 25, 1921.

Ser. No. 149,935. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE SINGER MANUFACTURING COMPANY, Elizabeth, N. J., and New York, N. Y. Filed July 1, 1921. Under ten-year proviso.



Particular description of goods.—Family and Manufacturing Sewing Machines, Their Parts, and Attachments.

Claims use since about the year 1870.

Ser. No. 150,583. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN HOMINY COMPANY, Indianapolis, Ind. Filed July 19, 1921.



No claim is being made to the word "Doughmaker" apart from the other features of the mark.

Particular description of goods.—Wheat Flour.
Claims use since July 1, 1920.

Ser. No. 150,593. (CLASS 39. CLOTHING.) DAVID D. DONIGER & Co. Inc., New York, N. Y. Filed July 19, 1921.



Mc Gregor

No claim is made to the words "Standard of Excellence" apart from the mark shown on the drawing.

Particular description of goods.—Caps for Men.
Claims use since May 1, 1921.

Ser. No. 150,676. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. P. HALPERTY, Seattle, Wash. Filed July 20, 1921.

White Band

Particular description of goods.—Canned Salmon.
Claims use since June 9, 1921.

Ser. No. 150,788. (CLASS 39. CLOTHING.) THE WINDER MANUFACTURING Co., Winder, Ga. Filed July 21, 1921.

**DIXIE
LIMITED**

Particular description of goods.—Overalls, Coats, Jumpers, and Work Shirts.

Claims use since June, 1919.

Ser. No. 150,832. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) P. B. SELTER, Detroit, Mich. Filed July 22, 1921. Under ten-year proviso.

SUREGRIP

Particular description of goods.—Tackle Blocks.

Claims use since July 28, 1888.

Ser. No. 150,856. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) ALFRED ENDRES, New York, N. Y. Filed July 23, 1921.



Particular description of goods.—Malt Extracts.

Claims use since about July 8, 1921.

Ser. No. 150,903. (CLASS 25. LOCKS AND SAFES.) KARLOK MANUFACTURING COMPANY, Newark, N. J. Filed July 25, 1921.

KARLOK JUNIOR

Particular description of goods.—Locks for Automobile Steering Mechanism.

Claims use since about June 1, 1921.

Ser. No. 150,938. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANCIS W. SCHOPPENHORST, Indianapolis, Ind. Filed July 25, 1921.

LIQUID
GLYCOSEPTOL

No claim being made to the word "Liquid" appearing on the drawing apart from the mark as shown.

Particular description of goods.—An Antiseptic Medicine.

Claims use since Aug. 1, 1920.

Ser. No. 150,981. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. SILZ, INC., New York, N. Y. Filed July 26, 1921.

DIPLOMAT

Particular description of goods.—Cheeses—Namely, Roquefort, American, and Camembert, and Specially-Prepared Mixtures Thereof; Spaghetti, Broths and Soups—Namely, Chicken Broth; and Welsh Rarebit.

Claims use in the business since Sept. 12, 1917, and since July 1, 1920, in connection with the cheeses specified in the particular description of goods, and since Feb. 1, 1921, in connection with the other products above specified.

Ser. No. 151,038. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) FOLLANSBEE BROTHERS COMPANY, Pittsburgh, Pa. Filed July 28, 1921.



No claim being made to the words "Hammered Open Hearth" except in the association shown.

Particular description of goods.—Ferrous Metal Plates and Sheets.

Claims use since Mar. 7, 1921.

Ser. No. 151,039. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GARNER PRINT WORKS AND BLEACHERY, New York, N. Y. Filed July 28, 1921.

ORMOND HEMSTITCHED ÉTAMINE

No claim being made to the exclusive use of the words "Hemstitched Etamine" apart from the mark as shown in the drawing.

Particular description of goods.—Cotton Piece Goods.

Claims use since Jan. 27, 1916.

Ser. No. 151,040. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GARNER PRINT WORKS AND BLEACHERY, New York, N. Y. Filed July 28, 1921.

SYLVAN

Particular description of goods.—Cotton Piece Goods.

Claims use since Feb. 27, 1916.

Ser. No. 151,041. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GARNER PRINT WORKS AND BLEACHERY, New York, N. Y. Filed July 28, 1921.

MINUET

Particular description of goods.—Cotton Piece Goods.

Claims use since February, 1921.

Ser. No. 151,042. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GARNER PRINT WORKS AND BLEACHERY, New York, N. Y. Filed July 28, 1921.

MILADI

Particular description of goods.—Cotton Piece Goods.

Claims use since July, 1915.

Ser. No. 151,073. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENJAMIN ALPERIN, Red Bank, N. J. Filed July 29, 1921.

OUR NATIONAL

Particular description of goods.—Mayonnaise.

Claims use since Dec. 27, 1920.

Ser. No. 151,233. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAGUS SUGAR COMPANY, INC., Buffalo, N. Y. Filed Aug. 1, 1921.

RAGUS

Particular description of goods.—Sugar, Teas, Coffees, Rice, Cocoa, Corn Starch.

Claims use since Apr. 15, 1919.

Ser. No. 151,273. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ILLINOIS PURE ALUMINUM Co., Lemont, Ill. Filed Aug. 2, 1921.

AMERICAN MAID

Particular description of goods.—Aluminum Ware Used for Household and Kitchen Purposes—Namely, Roasters, Saucepans, Coffee Percolators, Dish Pans, Combination Cooker Sets Consisting of Kettles and Pudding Pans and Strainers and Covers, Frying Pans, Pudding Pans, Stewing Pans, Kettles, Strainers, Boilers, Pots, and Teakettles.

Claims use since May, 1919.

Ser. No. 151,281. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) MAPPIN & WEBB LIMITED, Sheffield and London, England. Filed Aug. 2, 1921.

TUSCA

Particular description of goods.—Table Knives and Forks and Spoons, Cheese Knives, Tea Knives, Fish Knives, Fruit Knives and Forks, Forks and Carvers, Meat and Game Carvers, and Crumb Scoops Made Wholly or in Part of Precious Metal or Plate or Ornamented Therewith.

Claims use since the 11th day of March, 1920.

Ser. No. 151,493. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) GEORGE A. SEEL, Galveston, Tex. Filed Aug. 5, 1921.

Cool-Ade

Particular description of goods.—Flavoring Sirups and a Maltless Nonalcoholic Beverage Sold in Bottles and at Fountains as a Soft Drink.

Claims use since July 27, 1921.

Ser. No. 151,501. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) YELLOW JACK-IT MFG. Co., Chicago, Ill. Filed Aug. 5, 1921.

YELLOW JACK-IT

Particular description of goods.—Lifting Jacks and Parts Thereof.

Claims use since Jan. 1, 1921.

Ser. No. 151,511. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FAIRCHILD BROS. & FOSTER, New York, N. Y. Filed Aug. 6, 1921.

PHILOLAC

Particular description of goods.—A Fermented Milk to be Used as a Milk Beverage and a Milk Food Beverage.

Claims use since July 7, 1921.

Ser. No. 151,516. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) B. A. KELLER, Newark, N. J. Filed Aug. 6, 1921.

ZYLCO

Particular description of goods.—Eyeglasses, Temples, and Eyeglass Bridges and Nose Pieces for the Same.

Claims use since May 19, 1921.

Ser. No. 151,650. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ARROW FILM CORPORATION, New York, N. Y. Filed Aug. 11, 1921.

BROADWAY

Particular description of goods.—Motion-Picture Films.

Claims use since June 1, 1921.

Ser. No. 151,651. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ARROW FILM CORPORATION, New York, N. Y. Filed Aug. 11, 1921.

SPOTLIGHT

Particular description of goods.—Motion-Picture Films.

Claims use since Feb. 1, 1921.

Ser. No. 151,675. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INTERNATIONAL SALT Co. OF NEW YORK, New York, N. Y. Filed Aug. 11, 1921.



Particular description of goods.—Dairy and Table Salt.

Claims use since June 1, 1890.

Ser. No. 151,819. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GEBRÜDER BÜHLER, Uzwil, Switzerland. Filed Aug. 16, 1921.



Particular description of goods.—Brushes Belonging to Milling Machinery, Such as Grain-Cleaning Machines, Brushes for Apparatus for Cleaning Sieves, Plansifters, Rotary Sifters, and Brushes for Machines for Removing Flour from Flour Containing Ground Products.

Claims use since Oct. 21, 1919.

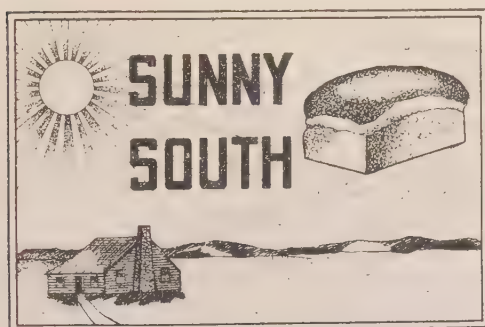
Ser. No. 151,839. (CLASS 16. OILS AND GREASES.)
MASON CITY OIL & GREASE COMPANY, Mason City, Iowa.
Filed Aug. 16, 1921.

PREMO

Particular description of goods.—Lubricating Oils and Greases.

Claims use since June, 1916.

Ser. No. 151,854. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM BARTHOLOMEW SIEGRIST, Jellico, Tenn. Filed Aug. 16, 1921.



No claim being made to the pictorial representation of the loaf of bread apart from the other features of the mark.

Particular description of goods.—Bread.

Claims use since May 1, 1921.

Ser. No. 152,111. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. S. WATERMAN & Co. INC., New Orleans, La. Filed Aug. 23, 1921.

LA GOLONDRINA

Particular description of goods.—Wheat Flour.

Claims use since Mar. 1, 1920.

Ser. No. 152,169. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE J. JOHNSON, Cambridge, Mass. Filed Aug. 25, 1921.



No claim is made to the words "Made in Boston," apart from the other features of the mark.

Particular description of goods.—Chocolate Confectionery—Namely, Chocolate-Covered Plum Pudding.

Claims use since October, 1913.

Ser. No. 152,197. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WITHINGTON-HUNTING, INC., New York, N. Y. Filed Aug. 25, 1921.



Particular description of goods.—Motion - Picture - Projecting Apparatus.

Claims use since Dec. 1, 1920.

Ser. No. 152,222. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) VAN ARNAM MANUFACTURING COMPANY, Fort Wayne, Ind. Filed Aug. 26, 1921.

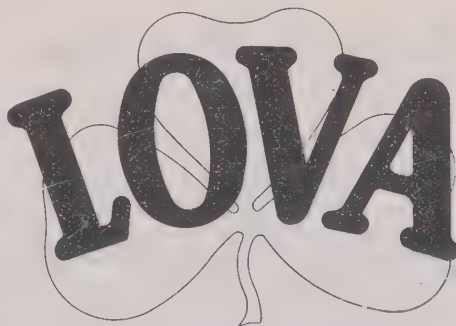


No claim being made to the expression "Ezy Squeeze," apart from the trade-mark.

Particular description of goods.—Mop Wringers.

Claims use since Aug. 9, 1921.

Ser. No. 152,252. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) SIGMUND L. GOLDMAN, Chicago, Ill. Filed Aug. 27, 1921.



Particular description of goods.—Malt Extracts for Use in Making Nonalcoholic Beverages.

Claims use since on or about the 11th day of April, 1919.

Ser. No. 152,380. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NILES MANUFACTURING COMPANY, Niles, Mich. Filed Aug. 30, 1921.

UNIQUE

Particular description of goods.—Spark Plugs.
Claims use since June, 1919.

Ser. No. 152,462. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHLORINE PRODUCTS COMPANY, INC., Dover, Del., and New York, N. Y. Filed Sept. 1, 1921.

LITHION

Particular description of goods.—A Preparation for the Treatment of Psoriasis and Eczema.
Claims use since Nov. 15, 1920.

Ser. No. 152,593. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RIDENOUR-BAKER GROCERY COMPANY, Kansas City, Mo. Filed Sept. 3, 1921.

BLACK WOLF



Particular description of goods.—Tea.
Claims use since 1897.

Ser. No. 152,621. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GARRETT & COMPANY, INC., Brooklyn, N. Y. Filed Sept. 6, 1921.

SHER-I-VIN

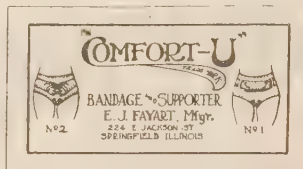
Particular description of goods.—Flavoring Extracts for Food.
Claims use since Aug. 10, 1920.

Ser. No. 152,684. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MADOLENE PICKLE CORPORATION, Newport News, Va. Filed Sept. 7, 1921.

MADOLENE

Particular description of goods.—Pickles.
Claims use since Mar. 1, 1920.

Ser. No. 152,746. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ERNEST J. FAYART, Springfield, Ill. Filed Sept. 9, 1921.



All of the words appearing on the drawing with the exception of the designed word "COMFORT-U" are descriptive only and are not claimed as a part of the actual trademark.

Particular description of goods.—Abdominal Bandages and Supporters.

Claims use since July 15, 1918.

Ser. No. 152,759. (CLASS 15. OILS AND GREASES.) KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa. Filed Sept. 9, 1921. Under ten-year proviso.

KEYSTONE

Particular description of goods.—Lubricants Consisting of Oils and Greases.

Claims use since the year 1885.

Ser. No. 152,871. (CLASS 17. TOBACCO PRODUCTS.) TRAHERN TOBACCO CO., INC., Clarksville, Tenn. Filed Sept. 12, 1921.



No claim being made to the words "Tobacco Extract, Manufactured by, Tobacco Co., Inc., Clarksville, Tenn., U. S. A." apart from the mark shown.

Particular description of goods.—Tobacco Extract Used for Saucing or Flavoring Tobacco.

Claims use since July 29, 1921.

Ser. No. 152,880. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) AMERICAN ABRASIVE METALS COMPANY, New York, N. Y. Filed Sept. 13, 1921.

BRONZALUN

Particular description of goods.—Stair Treads and Door Saddles.

Claims use since September, 1921.

Ser. No. 152,886. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. C. COLLINS COMPANY, Santa Ana, Calif. Filed Sept. 13, 1921.



The shading of the four panels containing the letter "C" indicates shading only.

Particular description of goods.—Walnuts in Their Natural State.

Claims use since July 21, 1921.

Ser. No. 152,940. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WEBB MANUFACTURING COMPANY, Nashville, Tenn. Filed Sept. 14, 1921.

BY-MO

Particular description of goods.—Flavoring Extracts for Food Purposes.

Claims use since Apr. 15, 1913.

Ser. No. 152,978. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) GEORGE BORGFELDT & Co., New York, N. Y. Filed Sept. 16, 1921.

STAG



Particular description of goods.—Hollow Aluminum Wear: Teapots, Coffee pots, Coffee Percolators, Kettles, Casseroles, and Ladles.

Claims use since about Mar. 1, 1919.

295 O. G.—28

Ser. No. 153,038. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MORRIS HELLER, New York, N. Y. Filed Sept. 17, 1921.



Particular description of goods.—Salad Oil—viz., Cottonseed Oil Flavored with Olive Oil.

Claims use since 1916.

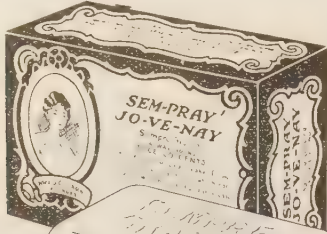
Ser. No. 153,039. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MORRIS HELLER, New York, N. Y. Filed Sept. 17, 1921.



Particular description of goods.—Salad Oil—viz., Cottonseed Oil Flavored with Olive Oil.

Claims use since 1916.

Ser. No. 153,054. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SEM-PRAY JO-VE-NAY COMPANY, Grand Rapids, Mich. Filed Sept. 17, 1921.



The Pink Complexion Cake

The use of all wording appearing in the drawing with the exception of the words "Sem-Pray Jo-Ve-Nay," "Sempere Giovine (Always Young)," and "Mrs. J. C. Carr," and the use of the representation of the goods and the representation of the carton or container thereof is hereby disclaimed, the portrait shown thereon being that of Nora Carr, deceased.

Particular description of goods.—Toilet Cream.
Claims use since Mar. 15, 1914.

Ser. No. 153,055. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SEM-PRAY JO-VE-NAY COMPANY, Grand Rapids, Mich. Filed Sept. 17, 1921.

SEM-PRAY

Particular description of goods.—Toilet Cream.
Claims use since Mar. 15, 1917.

Ser. No. 153,102. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NATIONAL PAPER CAN COMPANY, Milwaukee, Wis. Filed Sept. 19, 1921.

INSURANCE

Particular description of goods.—Coffee.
Claims use since Aug. 5, 1921.

Ser. No. 153,150. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. D. MILLIGAN GROCER CO., Springfield, Mo. Filed Sept. 20, 1921.



The mark is colored red, blue, and yellow or gold, as indicated by the lining on the drawing.

Particular description of goods.—Canned Fruits and Vegetables.

Claims use since October, 1920.

Ser. No. 153,152. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ONEPIECE BIFOCAL LENS COMPANY, Indianapolis, Ind. Filed Sept. 20, 1921.

KUROVA

Particular description of goods.—Ophthalmic Lenses.
Claims use since Aug. 15, 1921.

Ser. No. 153,504. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN W. FILLMAN, Philadelphia, Pa. Filed Sept. 29, 1921.

"BRIGHT LIGHT" WOOLEN MILLS

Particular description of goods.—Textile Hospital Blankets.

Claims use since Sept. 1, 1921.

Ser. No. 153,561. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NU-IRON LABORATORY INCORPORATED, Denver, Colo. Filed Sept. 30, 1921.

NU-IRON

No claim being made to the word "Iron" apart from the mark shown.

Particular description of goods.—A General Medicinal Tonic.

Claims use since Aug. 19, 1921.

Ser. No. 153,632. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE WILLYS-OVERLAND COMPANY, Toledo, Ohio. Filed Oct. 1, 1921.



Particular description of goods.—Engines.
Claims use since June 21, 1921.

Ser. No. 153,845. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. E. HOFFMAN COMPANY, Dallas, Tex. Filed Oct. 7, 1921.

KENO

Particular description of goods.—A Hair Tonic.
Claims use since about Feb. 1, 1921.

Ser. No. 153,850. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN J. LYNCH, Waterbury, Conn. Filed Oct. 7, 1921.

ALPHA

The trade-mark consists of the arbitrary word "A L P H A" appearing in block letters in medially-contracted form, and inclosed within a medially-contracted line figure.

Particular description of goods.—A Polishing Compound for Surfaces Varnished, Enameled, or Similarly Finished.

Claims use since April, 1919.

Ser. No. 153,889. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) WILLIAM L. MORRIS, Brosely, Mo. Filed Oct. 8, 1921.

Leno-scope
TRADE MARK REG. U. S. PAT. OFF.

No claim is made to the words "Trade-Mark Reg. U. S. Pat. Off." apart from the mark shown in the drawing.

Particular description of goods.—Egg Candles.

Claims use since Mar. 31, 1921.

Ser. No. 153,946. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MITCHELL-BISSELL COMPANY, New York, N. Y. Filed Oct. 10, 1921.

M B Co.

Particular description of goods.—Thread Guides for Textile Machinery.

Claims use since January, 1906.

Ser. No. 153,986. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MITCHELL-BISSELL COMPANY, New York, N. Y. Filed Oct. 11, 1921.

MB Co.

Particular description of goods.—Thread Guides for Textile Machinery.

Claims use since January, 1906.

Ser. No. 154,032. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) MAURICE A. KNIGHT, East Akron, Ohio. Filed Oct. 12, 1921.



Particular description of goods.—Acid-Proof Chemical Stoneware.

Claims use since July, 1917.

Ser. No. 154,069. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) SIMONS BROS. COMPANY, Philadelphia, Pa. Filed Oct. 13, 1921.



Particular description of goods.—Key Rings, Key Chains, Headed Canes, Umbrella Handles, and Thimbles Made of, Plated with, or Ornamented with Precious Metal.

Claims use since 1880.

Ser. No. 154,128. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE DAYTON COLOR WORKS COMPANY, Dayton, Ohio. Filed Oct. 15, 1921.

Blak-En-Al

Particular description of goods.—Black Ready-Mixed Paint.

Claims use since Aug. 13, 1918.

Ser. No. 154,294. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE ARROW FILM CORPORATION, New York, N. Y. Filed Oct. 19, 1921.

Mirthquake

Particular description of goods.—Motion Pictures.

Claims use since Oct. 14, 1921.

Ser. No. 154,469. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ACE SPECIALTIES CORP., New York, N. Y. Filed Oct. 24, 1921.

ACE

Particular description of goods.—Sanitary Napkins, Sanitary Aprons, Sanitary Belts, Sanitary Diapers, and Surgeons' Rubber Gloves.

Claims use since Aug. 24, 1921.

Ser. No. 154,510. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ALBERT R. HAGER, Salt Lake City, Utah. Filed Oct. 24, 1921.

Mah-Jongg

麻
雀

The Japanese characters appearing on the drawing mean, in English, sparrows.

Particular description of goods.—A Game, (Played with Pieces Somewhat Similar to Dominoes.)

Claims use since on or about the 26th day of October, 1920.

Ser. No. 154,547. (CLASS 39. CLOTHING.) AULT-WILLIAMSON SHOE CO., Auburn, Me. Filed Oct. 25, 1921.



Particular description of goods.—Men's and Women's Boots and Shoes of Leather and Combinations of Leather and Fabric.

Claims use since March, 1917.

Ser. No. 154,584. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HENRY DISSTON & SONS, INCORPORATED, Philadelphia, Pa. Filed Oct. 26, 1921.

AMERICAN BOY

Particular description of goods.—Levels, Bevels, Squares, and Cutting Gauges, Marking Gauges, and Mortise Gauges.

Claims use since Oct. 5, 1921.

Ser. No. 154,610. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MIDWEST STEEL & SUPPLY COMPANY, INC., New York, N. Y. Filed Oct. 26, 1921.

MIDWEST

Particular description of goods.—Cleaning Apparatus for Filter Parts.

Claims use since Feb. 11, 1921.

Ser. No. 154,625. (CLASS 17. TOBACCO PRODUCTS.) UNITED CIGAR STORES COMPANY OF AMERICA, Jersey City, N. J., and New York, N. Y. Filed Oct. 26, 1921.

"Happiness"

Particular description of goods.—Cigars, Cigarettes, Cheroots, Snuff, and Manufactured Smoking and Chewing Tobacco.

Claims use since Oct. 15, 1921.

Ser. No. 154,646. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE GAMBELL FIRE ALARM TELEGRAPH COMPANY, New York, N. Y. Filed Oct. 27, 1921.



Particular description of goods.—Electric Fire-Alarm and Police Signaling Systems and Parts Thereof—Namely, Fire-Alarm Boxes, Back Boards for Fire-Alarm Boxes, Pipe Caps, Insulating Joints, Rubber-Covered Wire, Auxiliary Fire-Alarm Boxes, Terminal Sets for Auxiliary

Systems, Annunciators for Auxiliary Systems and Switchboards, Back Boards for Auxiliary Stations for Auxiliary Systems, Whistle-Blowing Machines, Tower-Bell Strikers, Diaphones, Whistle and Diaphone Controlling Valves, Combined Tower Bells and Strikers, Tower Bells, Electromechanical Gongs, Combined Electromechanical Gongs and Indicators, Dial Indicators, Tapper Bells, Electric Vibrating Bells, Registers, Paper Tape, Time Stamps, Clocks, Take-Up Reels, Automatic Lighting Switches, Relays, Weatherproof Insulated Wire, Insulated Magnet Wire, Bare Wire; Insulators (Wire Supporting;) Pole Fixtures for Supporting Line Wires, Battery-Rack Insulators, Battery Racks, Battery Jars, Storage-Battery Couples, Motor Generators, Telegraph Keys, Telegraph Sounders, Plug Cut-Outs, Terminal Blocks, Lightning Arresters, Glass Key Guards, Ground Rods, Switchboards, Cabinets, Protector Boards, Fuses, Fuse Blocks, Automatic Repeaters, Transmitters, Transformers, Police Signal Boxes, Police System Switchboards, Instrument Desks for Police Stations, Auxiliary Police Boxes for Banks, Police Flash Lights, Controllers for Police Flash Lights.

Claims use since May 3, 1921.

Ser. No. 154,712. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TACONY FILE & HARDWARE CO., INC., Philadelphia, Pa. Filed Oct. 28, 1921.

TUNGSTO

Particular description of goods.—Files.

Claims use since Oct. 1, 1921.

Ser. No. 154,719. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BURNS PATTERN & MACHINE COMPANY, Detroit, Mich. Filed Oct. 29, 1921.



No claim is made to the words "Trade Mark" apart from the mark shown.

Particular description of goods.—Aluminum Teakettles, Skillets, Stew Kettles, Meat Roasters, Coffee and Tea Pots, and Frying Pans.

Claims use since on or about Oct. 14, 1920.

Ser. No. 154,726. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) CHARLES N. CHOATE, Bridgeport, Conn. Filed Oct. 29, 1921.

NICKOLITE

Particular description of goods.—Nonferrous Ingots of Copper, Nickel, and Zinc and Alloys for the Same.

Claims use since May 1, 1921.

Ser. No. 154,792. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLONIAL CHEMICAL CORPORATION, Reading, Pa. Filed Oct. 31, 1921.

PINEOSAN

Particular description of goods.—A Disinfectant.
Claims use since Sept. 1, 1915.

Ser. No. 154,794. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES B. DAY & Co., Chicago, Ill. Filed Oct. 31, 1921.



Particular description of goods.—Dry Colors, Prepared Wax, Stovepipe Enamels in the Nature of Paint Enamels, Paint Enamels, Lacquers; Polish for Furniture, Woodwork, Leather Upholstery, and Automobiles; Varnishes, Bronze Powder, Paste Wood, Filler, and Linoleum, Cement Paint.

Claims use since about October, 1909.

Ser. No. 154,797. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE F. HILTON, St. Augustine, Ill. Filed Oct. 31, 1921.

"HI-LO"

Particular description of goods.—A Preparation for Preventing Corrosion of the Terminals of Storage Batteries.
Claims use since Oct. 11, 1921.

Ser. No. 154,864. (CLASS 17. TOBACCO PRODUCTS.) NICHOLAS A. CRICKELAS, New York, N. Y. Filed Nov. 1, 1921.

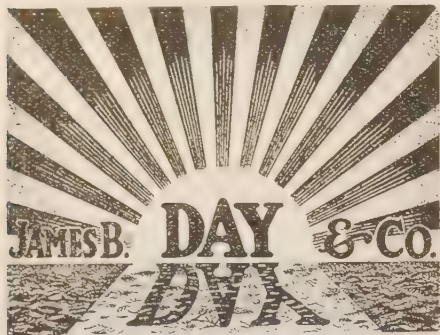


No claim being made to the word "Cigar" as part of the mark shown on the drawing.

Particular description of goods.—Cigars.

Claims use since Oct. 1, 1921.

Ser. No. 154,865. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES B. DAY & Co., Chicago, Ill. Filed Nov. 1, 1921.



Particular description of goods.—Colors in Oil, Paste Stains, Mirror-Backing Paint, Linoleum Finish, Paints, Enamels, Ready-Mixed Paint, Waterproofing Cement Paint, Linoleum Paste Paint, Flat Wall Finish, Paint and Varnish Remover, Oil Stains, Paste Paint, Varnishes, Prepared Shellac and Bronzing Liquid.

Claims use since about October, 1909.

Ser. No. 154,910. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ARNESTO PAINT CO., INC., New York, N. Y. Filed Nov. 2, 1921.



Particular description of goods.—Paints for Marine and House. Used for Interior and Exterior Surfaces.

Claims use since Jan. 1, 1917.

Ser. No. 154,916. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BOBWHITE CHEMICAL CORPORATION, New York, N. Y. Filed Nov. 2, 1921.

Kil-Tox

Particular description of goods.—Insecticides, Bactericides, Disinfectants, and Fungicides for Plants.

Claims use since November, 1920.

Ser. No. 154,964. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY A. B. DISHMOND, Raleigh, N. C. Filed Nov. 3, 1921.

Dishren Indian Ivey-O

Particular description of goods.—A Hair Tonic.

Claims use since Sept. 24, 1921.

Ser. No. 154,997. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RUTLAND FIRE CLAY CO., Rutland, Vt. Filed Nov. 3, 1921.



Particular description of goods.—A Water-Glass Egg Preserver.

Claims use since some time in 1913.

Ser. No. 155,039. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ATLANTIC STAMPING COMPANY, Rochester, N. Y. Filed Nov. 5, 1921.

ATLANTIC

Particular description of goods.—Metal Products Consisting of Funnels, Strainers, Commodes, Foot Tubs, Pans, Basins, Dippers, Cups, Kettles, Canners, Plates, Coffeepots, and Percolators.

Claims use since about Mar. 1, 1904.

Ser. No. 155,075. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLARENCE F. WICKOFF, Ithaca, N. Y. Filed Nov. 5, 1921.

VITAYEAST

Particular description of goods.—Medicine in Tablet Form as a Tonic and Eliminant.

Claims use since Oct. 25, 1921.

Ser. No. 155,084. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BELLIS HEAT TREATING COMPANY, New Haven, Conn. Filed Nov. 7, 1921.



Particular description of goods.—Salts in Solid Form for Metal Heat-Treating Baths, Crucibles, and Crucible Furnaces.

Claims use since Aug. 25, 1921.

Ser. No. 155,097. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
FREDERICK F. INGRAM COMPANY, Detroit, Mich. Filed Nov. 7, 1921.

CALLA

Particular description of goods.—Complexion Lotion.
Claims use since the year 1890.

Ser. No. 155,099. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
HENRY H. KUNTZMANN, St. Louis, Mo. Filed Nov. 7, 1921.

HHK

Particular description of goods.—A Shampoo for the Hair and Scalp.
Claims use since Sept. 16, 1921.

Ser. No. 155,120. (CLASS 17. TOBACCO PRODUCTS.)
RAUCH CIGAR COMPANY, INC., Indianapolis, Ind. Filed Nov. 7, 1921.

TAMPIOLA

Particular description of goods.—Tobacco Products—Namely, Cigars, Stogies, Cigarettes, Smoking Tobacco, and Chewing Tobacco Products.
Claims use since December, 1898.

Ser. No. 155,176. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
JAMEELAH JANE CORPORATION, Chicago, Ill. Filed Nov. 8, 1921.

Jameelah Jane

Particular description of goods.—Face Powder, Cold Cream, Vanishing Cream, Rouge.
Claims use since Aug. 1, 1921.

Ser. No. 155,203. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
WABASH BAKING POWDER COMPANY, Wabash, Ind. Filed Nov. 8, 1921.

WABASH



KING BRAND

The word "Brand" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Baking Powder and Soda.

Claims use since Aug. 1, 1920.

Ser. No. 155,206. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
ROBERT C. WHITE, INC., Philadelphia, Pa. Filed Nov. 8, 1921.

An-hydro-cal

Particular description of goods.—Liquid Preparation to be Taken Internally as an Alternative, Reconstructive, and Anti-Asthmatic.

Claims use since Feb. 15, 1918.

Ser. No. 155,209. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Nov. 8, 1921.

LUMINAL

Particular description of goods.—A Sedative and Hypnotic.

Claims use since Mar. 1, 1912.

Ser. No. 155,213. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BOWMAN DRUG CO., Oakland, Calif. Filed Nov. 9, 1921.

ORASEPTOL

Particular description of goods.—Mouth Wash.
Claims use since Oct. 18, 1921.

Ser. No. 155,232. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) P. W. NELSON INC., Brooklyn, N. Y., and Chicago, Ill. Filed Nov. 9, 1921.

COLORA

THE DECORATIVE WATER COLOR
WALL COATING

The words "The Decorative Water Color Wall Coating" being disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Colors and Tints in Dry Powder Form.

Claims use since July 1, 1921.

Ser. No. 155,367. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) LOYAL D. ROGERS, Chicago, Ill. Filed Nov. 14, 1921.

AUTO HEMIC

Particular description of goods.—Laboratory Apparatus, Particularly for Physicians; Measuring Apparatus for Liquids, and Shaking Apparatus for Treating Liquids.

Claims use since Jan. 15, 1920.

Ser. No. 155,395. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GEORGE H. CAPEN, Canton Junction, Mass. Filed Nov. 15, 1921.



Particular description of goods.—Cedar-Oil Polish.
Claims use since 1881.

Ser. No. 155,558. (CLASS 15. OILS AND GREASES.) A. W. HARRIS OIL COMPANY, Providence, R. I. Filed Nov. 18, 1921.

GEM

Particular description of goods.—Lubricating Oils and Greases.

Claims use on grease since Jan. 22, 1907, and on oil since Mar. 19, 1909.

Ser. No. 155,591. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BERNARD BENJAMIN, Dayton, Ohio. Filed Nov. 19, 1921.



Particular description of goods.—Furniture Polish.
Claims use since Nov. 10, 1921.

Ser. No. 155,612. (CLASS 42. KNITTED, NETTED AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Nov. 19, 1921.

Marleen

Particular description of goods.—Woolen Piece Goods.
Claims use since Oct. 15, 1921.

Ser. No. 155,614. (CLASS 37. PAPER AND STATIONERY.) HENRY B. GOODMAN, Boston, Mass. Filed Nov. 19, 1921.



Particular description of goods.—Expense - Account Books.

Claims use since Nov. 5, 1920.

Ser. No. 155,618. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HYGIENIC FIBRE COMPANY, Versailles, Conn. Filed Nov. 19, 1921.

I. D. P.

Particular description of goods.—First-Aid Outfits.
Claims use since on or about Oct. 1, 1920.

Ser. No. 155,625. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) METROPOLITAN HAIR GOODS Co., Inc., New York, N. Y. Filed Nov. 19, 1921.



The drawing is lined to indicate red. No claim is made to the words "Fringe, the Net of no Regret, Human Hair Net, Invisible, Sterilized and Strictly Sanitary, Bewitches the Fair Sex" apart from the mark shown on the drawing.

Particular description of goods.—Human-Hair Nets.
Claims use since Oct. 1, 1921.

Ser. No. 155,666. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CRAIG GOLFMEETER Co., San Francisco, Calif. Filed Nov. 21, 1921.



Particular description of goods.—A Captive-Ball Device for Playing and Practice of Games—Namely, Golf.
Claims use since July 16, 1921.

Ser. No. 155,680. (CLASS 15. OILS AND GREASES.) GILMORE PETROLEUM COMPANY, Los Angeles, Calif. Filed Nov. 21, 1921.



Particular description of goods.—Lubricating Oil.
Claims use since Sept. 1, 1921.

Ser. No. 155,681. (CLASS 15. OILS AND GREASES.) GILMORE PETROLEUM COMPANY, Los Angeles, Calif. Filed Nov. 21, 1921.



Particular description of goods.—Lubricating Oil.
Claims use since Sept. 1, 1921.

Ser. No. 155,753. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE HAZEL NET COMPANY, New York, N. Y. Filed Nov. 22, 1921.

FANTO WEB

Particular description of goods.—Hair Nets.
Claims use since Nov. 3, 1921.

Ser. No. 155,754. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE HAZEL NET COMPANY, New York, N. Y. Filed Nov. 22, 1921.



Particular description of goods.—Hair Nets.
Claims use since Nov. 3, 1921.

Ser. No. 155,781. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SITROUX IMPORTING COMPANY, INC., New York, N. Y. Filed Nov. 22, 1921.

4-MY-LOCKS

The horizontal lines are for shading only.
Particular description of goods.—Hair Nets.
Claims use since Mar. 2, 1918.

Ser. No. 155,782. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SITROUX IMPORTING COMPANY, INC., New York, N. Y. Filed Nov. 22, 1921.



Particular description of goods.—Hair Nets.
Claims use since Feb. 27, 1918.

Ser. No. 155,783. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SITROUX IMPORTING COMPANY, INC., New York, N. Y. Filed Nov. 22, 1921.



Particular description of goods.—Hair Nets.
Claims use since Feb. 27, 1918.

Ser. No. 155,787. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SITROUX IMPORTING COMPANY, INC., New York, N. Y. Filed Nov. 22, 1921.

Miss ODELL

Particular description of goods.—Hair Nets.
Claims use since Nov. 20, 1920.

Ser. No. 155,788. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SITROUX IMPORTING COMPANY, INC., New York, N. Y. Filed Nov. 22, 1921.

Anna-Ann

Particular description of goods.—Hair Nets.
Claims use since Nov. 26, 1920.

Ser. No. 155,805. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CONTINENTAL MILLS, INC., Philadelphia, Pa. Filed Nov. 23, 1921.



Particular description of goods.—Knitted and Woven Woolen and Worsted Cloths, Jersey Cloths, Eider Down, Chinchillas, and Special Knitted Fabrics Having a Fleecy Pile or Surface, in the Piece.

Claims use since about June 1, 1911.

Ser. No. 155,819. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. R. MALLINSON & CO. INC., New York, N. Y. Filed Nov. 23, 1921.

Drap d'Amour

Particular description of goods.—Silk Piece Goods.
Claims use since December, 1917.

Ser. No. 155,820. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. R. MALLINSON & CO. INC., New York, N. Y. Filed Nov. 23, 1921.

Dull-Ora

Particular description of goods.—Silk Piece Goods.
Claims use since August, 1921.

Ser. No. 155,954. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RAY E. BRIGGS, Los Angeles, Calif. Filed Nov. 26, 1921.

JEFFY

Particular description of goods.—A Liquid Automobile Polish.

Claims use since May 1, 1919.

Ser. No. 156,050. (CLASS 39. CLOTHING.) DEGEN-LIPP, INC., Brooklyn, N. Y. Filed Nov. 29, 1921.

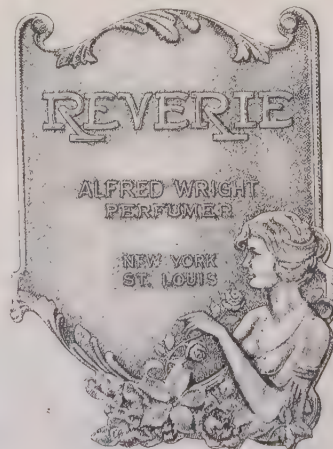
DeLipp Shoes

No claim is made to the word "Shoes" apart from the mark shown.

Particular description of goods.—Shoes of Leather, Canvas, or a Combination of Both Materials.

Claims use since Dec. 1, 1919.

Ser. No. 156,063. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED WRIGHT, PERFUMER, INC., Philadelphia, Pa., and New York, N. Y. Filed Nov. 29, 1921.



No claim is made to the words "New York" and "St. Louis" apart from the mark shown in the drawing.

Particular description of goods.—Perfumes and Sachet Powders.

Claims use since 1907.

Ser. No. 156,335. (CLASS 15. OILS AND GREASES.)
NORTHWESTERN OIL COMPANY, Superior, Wis., and Duluth, Minn. Filed Dec. 6, 1921.



No claim is made herein to the exclusive use of the words "A Perfect Gasoline" and "Pep in Every Drop" apart from the trade-mark shown.

Particular description of goods.—Liquid Fuel Oils.
Claims use since Aug. 6, 1921.

Ser. No. 156,414. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) RITZ-CARLTON MINERAL WATER CO., INC., New York, N. Y. Filed Dec. 7, 1921.



Particular description of goods.—Carbonated and Lithiated Water, Ginger Ale, Sarsaparilla, and other Carbonated Beverages.

Claims use since Aug. 2, 1921.

Ser. No. 156,420. (CLASS 39. CLOTHING.) STEVENS SOFT SOLE SHOE CO., Salem, Mass. Filed Dec. 7, 1921.

Tri-To-Walk

Particular description of goods.—Infants' Soft-Sole Shoes Made Wholly or in Part of Leather and Cloth.
Claims use since Apr. 1, 1921.

Ser. No. 156,421. (CLASS 15. OILS AND GREASES.)
TULSA OIL PRODUCTS CO., Tulsa, Okla. Filed Dec. 7, 1921.

TOPCO

Particular description of goods.—Gasoline.
Claims use since September, 1919.

Ser. No. 156,491. (CLASS 17. TOBACCO PRODUCTS.)
HEINEMAN BROS., Baltimore, Md. Filed Dec. 9, 1921.

LORD BALTIMORE

Particular description of goods.—Cigars.
Claims use since about the year 1881.

Ser. No. 156,664. (CLASS 17. TOBACCO PRODUCTS.)
"TURNAC" TURKISH-MACEDONIAN TOBACCO COMPANY, Arnhem, Netherlands. Filed Dec. 13, 1921.

SERDAR

Particular description of goods.—Smoking and Chewing Tobacco, Cigarettes, Cigars, and Snuff.

Claims use since on or about June 6, 1921.

Ser. No. 156,816. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) AMERICAN SAFETY RAZOR CORPORATION, Brooklyn and New York, N. Y. Filed Dec. 16, 1921.

Debutante

Particular description of goods.—Shaving Brushes.
Claims use since Dec. 8, 1921.

Ser. No. 156,970. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HERBERT NALTY, London, England. Filed Dec. 20, 1921.

BIG BERTHA

Particular description of goods.—Golf Balls and Golf Clubs.

Claims use since Aug. 18, 1921.

Ser. No. 156,981. (CLASS 37. PAPER AND STATIONERY.) LOUIS BADOIS, Paris, France. Filed Dec. 21, 1921.



Particular description of goods.—Fountain Pens.
Claims use since January, 1921.

Ser. No. 157,029. (CLASS 39. CLOTHING.) THE FAIR, Chicago, Ill. Filed Dec. 22, 1921.

Tuscan Junior

Particular description of goods.—Shoes Made of Leather and Combinations of Leather and Cloth.
Claims use since on or about May 20, 1921.

Ser. No. 157,184. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) OTTO W. SIEBERT, Gardner, Mass. Filed Dec. 27, 1921.

ARROWCYCLE →

Particular description of goods.—Velocipedes.
Claims use since Dec. 1, 1921.

Ser. No. 157,214. (CLASS 37. PAPER AND STATIONERY.) DUNN-PEN COMPANY, INC., New York, N. Y. Filed Dec. 28, 1921.

Tattler

Particular description of goods.—Fountain Pens.
Claims use since April, 1921.

Ser. No. 157,216. (CLASS 37. PAPER AND STATIONERY.) DUNN-PEN COMPANY, INC., New York, N. Y. Filed Dec. 28, 1921.

Humming Bird

Particular description of goods.—Fountain-Pens.
Claims use since July, 1921.

Ser. No. 157,231. (CLASS 39. CLOTHING.) JAMES MCCREERY & COMPANY, New York, N. Y. Filed Dec. 28, 1921.

PRAKTIK

Particular description of goods.—Shoes of Leather, Rubber, and Fabric for Women and Children.
Claims use since Dec. 9, 1921.

Ser. No. 157,320. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HARRY C. LEE & COMPANY, INC., New York, N. Y. Filed Dec. 30, 1921.



Particular description of goods.—Tennis Rackets.
Claims use since Nov. 10, 1921.

Ser. No. 157,347. (CLASS 15. OILS AND GREASES.) THE UNITED OIL COMPANY, INCORPORATED, Baltimore, Md. Filed Dec. 30, 1921.

DURALENE

Particular description of goods.—Lubricating Oils.
Claims use since Jan. 1, 1920.

Ser. No. 157,407. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Filed Jan. 3, 1922.

Loop-TH-Loop

Particular description of goods.—Bowling-Alley Ball Returns.
Claims use since on or about Jan. 12, 1912.

Ser. No. 157,594. (CLASS 37. PAPER AND STATIONERY.) S. WALTER, INC., Philadelphia, Pa. Filed Jan. 6, 1922.



The words "One Thousand" are disclaimed apart from the rest of the mark shown.

Particular description of goods.—Toilet Paper.

Claims use since about Dec. 16, 1921.

Ser. No. 157,632. (CLASS 15. OILS AND GREASES.) OKLAHOMA PRODUCING AND REFINING CORPORATION OF AMERICA, Tulsa, Okla. Filed Jan. 7, 1922.



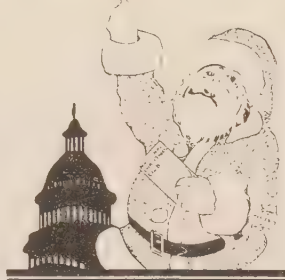
No claim is made to the exclusive ownership of the terms "Muskogee, Oil, It's Got the Body," and "Tulsa, Okla." except as associated with the other features of the mark.

Particular description of goods.—Lubricating Oil.

Claims use since the 1st day of November, 1921.

Ser. No. 157,650. (CLASS 37. PAPER AND STATIONERY.) BANKERS PUBLICITY COMPANY, St. Louis, Mo. Filed Jan. 9, 1922.

NATIONAL CHRISTMAS CLUB



No claim is made to the use of the words "Christmas Club" and the illustration of the dome of the Capitol apart from the mark as shown in the drawing.

Particular description of goods.—Check Books, Bank Books, Savings-Bank Books, Checks, Drafts, Bills, and Notes.

Claims use since Jan. 3, 1922.

Ser. No. 157,785. (CLASS 37. PAPER AND STATIONERY.) WHITING PAPER COMPANY, Holyoke, Mass. Filed Jan. 11, 1922.

ETAMINE

Particular description of goods.—Writing Papers and Mailing Envelopes.

Claims use since January, 1912.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

FEBRUARY 14, 1922.

- 151,653. FLINT PAPER AND FLINT CLOTH. GARMENT PAPER AND GARMENT CLOTH. EMERY PAPER AND EMERY CLOTH. BAEDER ADAMSON COMPANY, Boston, Mass.
Filed July 23, 1921. Serial No. 150,846. PUBLISHED OCTOBER 4, 1921.
- 151,654. FLINT PAPER AND FLINT CLOTH. BAEDER ADAMSON COMPANY, Boston, Mass.
Filed July 23, 1921. Serial No. 150,847. PUBLISHED OCTOBER 4, 1921.
- 151,655. AEROPLANES. J. L. AIRCRAFT CORPORATION, New York, N. Y.
Filed October 20, 1920. Serial No. 138,530. PUBLISHED SEPTEMBER 20, 1921.
- 151,656. WHEAT FLOUR. AMERICAN FINANCE & COMMERCE COMPANY, San Francisco, Calif.
Filed May 24, 1921. Serial No. 148,107. PUBLISHED SEPTEMBER 20, 1921.
- 151,657. WHEAT FLOUR. AMERICAN FINANCE & COMMERCE COMPANY, San Francisco, Calif.
Filed May 24, 1921. Serial No. 148,110. PUBLISHED SEPTEMBER 20, 1921.
- 151,658. TEA AND COFFEE. AMERICAN GROCERS SOCIETY INC., Newark, N. J.
Filed April 27, 1921. Serial No. 146,786. PUBLISHED OCTOBER 4, 1921.
- 151,659. LIVE POULTRY, EGGS, AND BABY CHICKS. AMERICAN POULTRY FARMS, Churubusco, Ind.
Filed March 28, 1921. Serial No. 145,304. PUBLISHED SEPTEMBER 20, 1921.
- 151,660. TABLE SIRUP. AMERICAN SUGAR PRODUCTS CORP., Los Angeles, Calif.
Filed May 4, 1921. Serial No. 147,177. PUBLISHED OCTOBER 11, 1921.
- 151,661. COFFEE. AMERICAN UNIVERSAL COFFEE COMPANY, Dallas, Tex.
Filed June 17, 1921. Serial No. 149,259. PUBLISHED OCTOBER 11, 1921.
- 151,662. COFFEE. AMERICAN UNIVERSAL COFFEE COMPANY, Dallas, Tex.
Filed June 17, 1921. Serial No. 149,260. PUBLISHED OCTOBER 11, 1921.
- 151,663. UNSWEETENED EVAPORATED MILK. AMERICAN MILK PRODUCTS CORPORATION, New York, N. Y.
Filed May 9, 1921. Serial No. 147,389. PUBLISHED NOVEMBER 1, 1921.
- 151,664. A SIRUP REMEDY FOR COUGHS AND WHOOPING COUGHS, COLDS, AND BRONCHITIS. JAMES R. ANGELL, New Orleans, La.
Filed July 14, 1921. Serial No. 150,345. PUBLISHED OCTOBER 18, 1921.
- 151,665. CERTAIN NAMED CORRESPONDENCE PAPER AND ENVELOPES. ART CRAFT SHOPS COMPANY, St. Louis, Mo.
Filed June 21, 1920. Serial No. 133,949. PUBLISHED NOVEMBER 1, 1921.
- 151,666. CERTAIN NAMED TIRES AND TUBES AND REPAIR PARTS THEREOF. THE ASHLAND TIRE AND RUBBER COMPANY, Ashland, Ohio.
Filed February 23, 1921. Serial No. 143,907. PUBLISHED SEPTEMBER 20, 1921.
- 151,667. FRESH GRAPES. ASSOCIATED FRUIT CO., Chicago, Ill.
Filed June 9, 1921. Serial No. 148,864. PUBLISHED OCTOBER 18, 1921.
- 151,668. SIGNS OF A STRUCTURAL OR MECHANICAL NATURE. AULTMAN INC., Milwaukee, Wis.
Filed May 23, 1921. Serial No. 148,049. PUBLISHED SEPTEMBER 13, 1921.
- 151,669. WATCHES AND WATCH MOVEMENTS. JOSEPH BARFIELD, New York, N. Y.
Filed August 19, 1921. Serial No. 151,934. PUBLISHED OCTOBER 18, 1921.
- 151,670. SOAP. BAUER & BLACK, Chicago, Ill.
Filed August 13, 1921. Serial No. 151,748. PUBLISHED NOVEMBER 1, 1921.
- 151,671. SWEATERS, SWEATER COATS. BATNTON MILLS, Philadelphia, Pa.
Filed February 4, 1921. Serial No. 143,152. PUBLISHED NOVEMBER 8, 1921.
- 151,672. FRESH CITRUS FRUIT. DAVID A. BEATTIE, Porterville, Calif.
Filed March 12, 1921. Serial No. 144,662. PUBLISHED OCTOBER 4, 1921.
- 151,673. LACTOALBUMINOUS SOLUTION USED FOR SUBCUTANEOUS INJECTIONS. P. BEIERSDORF & CO. INC., New York, N. Y.
Filed June 25, 1921. Serial No. 149,625. PUBLISHED OCTOBER 4, 1921.
- 151,674. WATERPROOF FABRICS. FRED S. BENNETT, INC., New York, N. Y.
Filed September 27, 1920. Serial No. 137,656. PUBLISHED SEPTEMBER 20, 1921.
- 151,675. CERTAIN NAMED HOUSEHOLD FURNITURE. BERNSTEIN BROS., New York, N. Y.
Filed February 12, 1921. Serial No. 143,476. PUBLISHED NOVEMBER 1, 1921.
- 151,676. MEN'S AND BOYS' HATS. WILLIAM COE BILL, Hartford, Conn.
Filed May 7, 1921. Serial No. 147,337. PUBLISHED NOVEMBER 8, 1921.
- 151,677. APRONS, BUNGALOW APRONS, AND HOUSE DRESSES. BIRKENFELD, STRAUSS & CO., New York, N. Y.
Filed March 28, 1921. Serial No. 145,310. PUBLISHED NOVEMBER 8, 1921.
- 151,678. RUBBER AND RUBBER AND FABRIC TIRES AND INNER TUBES. BLACK HAWK TIRE & RUBBER COMPANY, Des Moines, Iowa.
Filed January 3, 1921. Serial No. 141,747. PUBLISHED OCTOBER 25, 1921.
- 151,679. A MEDICINAL PREPARATION FOR CERTAIN NAMED USES. BLANDING & BLANDING, INC., Providence, R. I.
Filed July 14, 1921. Serial No. 150,347. PUBLISHED OCTOBER 18, 1921.
- 151,680. A MEDICINAL PREPARATION FOR CERTAIN NAMED USES. BLANDING & BLANDING, INC., Providence, R. I.
Filed July 14, 1921. Serial No. 150,349. PUBLISHED OCTOBER 18, 1921.
- 151,681. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed August 12, 1921. Serial No. 151,705. PUBLISHED SEPTEMBER 27, 1921.
- 151,682. MALT FOOD. BONOVIN, LIMITED, Liverpool, England.
Filed June 15, 1921. Serial No. 149,167. PUBLISHED OCTOBER 18, 1921.

151.683. SEWING NEEDLES. GEORGE BORGFELDT & Co., New York, N. Y.

Filed August 6, 1921. Serial No. 151,504. PUBLISHED OCTOBER 4, 1921.

151.684. SALTED POP CORN AND POP CORN IN ITS NATURAL STATE. EDWARD D. BRADSHAW, New York, N. Y.

Filed June 7, 1921. Serial No. 148,789. PUBLISHED OCTOBER 18, 1921.

151.685. CHAIR PADS. THELLA R. BRAWLEY, Brooklyn, N. Y.

Filed January 21, 1921. Serial No. 142,551. PUBLISHED OCTOBER 4, 1921.

151.686. MONTHLY MAGAZINES. BRIGGS & STRATTON COMPANY, Milwaukee, Wis.

Filed September 24, 1920. Serial No. 137,559. PUBLISHED NOVEMBER 8, 1921.

151.687. A MEDICINAL PREPARATION FOR THE TREATMENT OF DISEASES OF THE FEMALE ORGANS. JOSIE BROCKHOFF, Salt Lake City, Utah.

Filed August 9, 1921. Serial No. 151,575. PUBLISHED OCTOBER 18, 1921.

151.688. CANDIES. CLARENCE WALKER BROWN, Philadelphia, Pa.

Filed June 17, 1921. Serial No. 149,264. PUBLISHED OCTOBER 4, 1921.

151.689. BOYS' SHOES MADE OF LEATHER. BROWN SHOE COMPANY, INC., St. Louis, Mo.

Filed May 24, 1921. Serial No. 148,118. PUBLISHED NOVEMBER 8, 1921.

151.690. SILOS. GERRUDER BUHLER, Uzwil, Switzerland.

Filed May 24, 1921. Serial No. 148,114. PUBLISHED SEPTEMBER 20, 1921.

151.691. WEEKLY PUBLICATION. THE KENSINGTON BULLETIN, Philadelphia, Pa.

Filed September 20, 1921. Serial No. 153,145. PUBLISHED NOVEMBER 8, 1921.

151.692. CROCHET COTTONS AND EMBROIDERY COTTON. BURSTINE AND NACHMAN, New York, N. Y.

Filed October 2, 1920. Serial No. 137,819. PUBLISHED SEPTEMBER 13, 1921.

151.693. DISPLAY AND DISPENSING COUNTER FOR STORES. EASTMAN A. BURROWS, Chicago, Ill.

Filed June 23, 1921. Serial No. 149,536. PUBLISHED NOVEMBER 8, 1921.

151.694. KNIT GOODS—NAMELY, HOSIERY. BURSON KNITTING COMPANY, Rockford, Ill.

Filed December 20, 1920. Serial No. 141,290. PUBLISHED FEBRUARY 8, 1921.

151.695. POULTRY FEEDING AND DRINKING RECEPTACLES. B. & W. MFG. Co., Bloomington, Ill.

Filed June 16, 1921. Serial No. 149,209. PUBLISHED SEPTEMBER 20, 1921.

151.696. BOYS' FABRIC AND LEATHER SHOES. EUGENE BYRNES, New York, N. Y.

Filed February 28, 1921. Serial No. 144,126. PUBLISHED NOVEMBER 8, 1921.

151.697. COTTON MOPS. CALIFORNIA COTTON MILLS COMPANY, Oakland, Calif.

Filed July 20, 1921. Serial No. 150,659. PUBLISHED NOVEMBER 8, 1921.

151.698. CANNED AND DRIED FRUITS, FRUIT BUTTER, OLIVE OIL, HONEY, PRESERVES, JAM, AND CANNED VEGETABLES. CALIFORNIA GROWERS ASSOCIATION, INC., Los Angeles, Calif.

Filed June 6, 1921. Serial No. 148,718. PUBLISHED OCTOBER 11, 1921.

151.699. CANNED FRUITS, EXCEPT OLIVES, AND CANNED VEGETABLES. CALIFORNIA GROWERS ASSOCIATION, INC., Los Angeles, Calif.

Filed September 15, 1920. Serial No. 137,207. PUBLISHED OCTOBER 4, 1921.

151.700. DRIED AND CANNED FRUITS, FRUIT BUTTER, AND FRUIT JAM. CALIFORNIA PRUNE AND APRICOT GROWERS, INC., San Jose, Calif.

Filed April 28, 1921. Serial No. 146,874. PUBLISHED OCTOBER 11, 1921.

151.701. CHOCOLATE-COATED CANDY. CARDINET CANDY COMPANY, Oakland, Calif.

Filed June 9, 1921. Serial No. 148,872. PUBLISHED OCTOBER 18, 1921.

151.702. TOOL STEELS IN BARS, BILLETS, AND SHAPES. THE CARPENTER STEEL COMPANY, Reading, Pa.

Filed July 6, 1920. Serial No. 134,569. PUBLISHED OCTOBER 25, 1921.

151.703. TOOL STEELS IN BARS, BILLETS, AND SHAPES. THE CARPENTER STEEL COMPANY, Reading, Pa.

Filed July 6, 1920. Serial No. 134,568. PUBLISHED OCTOBER 25, 1921.

151.704. CARBON PAPER AND TYPEWRITER RIBBONS. CARRIB MFG. CORPORATION, Rochester, N. Y.

Filed May 6, 1921. Serial No. 147,277. PUBLISHED NOVEMBER 15, 1921.

151.705. MOLDING FOR UPHOLSTERING. THE GEORGE R. CARTER COMPANY, Connersville, Ind.

Filed April 27, 1921. Serial No. 146,793. PUBLISHED NOVEMBER 8, 1921.

151.706. CANDY. CARTY CANDY Co., Philadelphia, Pa.

Filed July 8, 1920. Serial No. 134,699. PUBLISHED OCTOBER 4, 1921.

151.707. MEN'S SILK DRESS SHIRTS. ABRAHAM CHANOVITZ, New York, N. Y.

Filed January 5, 1921. Serial No. 141,851. PUBLISHED AUGUST 23, 1921.

151.708. CANDY. CHARTER CHOCOLATE COMPANY, Boston, Mass.

Filed December 28, 1920. Serial No. 141,558. PUBLISHED OCTOBER 4, 1921.

151.709. CANDY. CHARTER CHOCOLATE COMPANY, Boston, Mass.

Filed December 28, 1920. Serial No. 141,554. PUBLISHED OCTOBER 4, 1921.

151.710. CHEMICAL COMPOUNDS SOLD AS JEWELERS' CLEANERS, METAL CLEANERS, AND ELECTROPLATERS' CLEANERS. CHEMICAL SALES COMPANY, Philadelphia, Pa.

Filed March 30, 1921. Serial No. 145,436. PUBLISHED OCTOBER 18, 1921.

151.711. PREPARATIONS FOR DISTOMA. CHINOIN GYÓGYSZER ÉS VEGYÉSZETI TERMÉKEK GYÁRA R. T. (DR. KERESZTY ES DR. WOLF), Ujpest, Hungary.

Filed February 23, 1921. Serial No. 143,918. PUBLISHED OCTOBER 18, 1921.

151.712. SWEET MILK, BUTTERMILK, CREAM, AND BUTTER. CITY CREAMERY Co. INC., Birmingham, Ala.

Filed January 17, 1921. Serial No. 142,331. PUBLISHED SEPTEMBER 20, 1921.

151.713. LADIES' AND MISSES' COATS, SUITS, AND DRESSES. THE COHN-GOODMAN COMPANY, Cleveland, Ohio.

Filed May 20, 1921. Serial No. 147,952. PUBLISHED NOVEMBER 8, 1921.

151.714. CHILD'S ROMPER. COLE-GRANAS ENDERLIN COMPANY, Los Angeles, Calif.

Filed April 28, 1921. Serial No. 146,877. PUBLISHED NOVEMBER 8, 1921.

151.715. WHEAT FLOUR. THE COLORADO MILLING & ELEVATOR COMPANY, Denver and Eaton, Colo.

Filed June 18, 1921. Serial No. 149,318. PUBLISHED OCTOBER 4, 1921.

151,716. INKED RIBBONS AND CARBON SHEETS FOR DUPLICATING OR TRANSFERRING IMPRESSIONS. THE COLUMBIA CARBON COMPANY, Dayton, Ohio.

Filed March 8, 1921. Serial No. 144,449. PUBLISHED NOVEMBER 15, 1921.

151,717. A PAGE OR DEPARTMENT IN A PERIODICAL PUBLICATION PUBLISHED DAILY. COMMERCIAL NEWSPAPER COMPANY, New York, N. Y.

Filed May 20, 1921. Serial No. 147,951. PUBLISHED NOVEMBER 8, 1921.

151,718. DECORATION MADE OF SHREDDED TIN-FOIL SUITABLE FOR ORNAMENTATION OF CHRISTMAS TREES. THE CONLEY FOIL COMPANY, New York, N. Y.

Filed July 18, 1921. Serial No. 150,510. PUBLISHED NOVEMBER 8, 1921.

151,719. VEHICLE SPRINGS. FRANK V. COOKE, Detroit, Mich.

Filed February 25, 1921. Serial No. 144,017. PUBLISHED OCTOBER 25, 1921.

151,720. LIQUID FUEL FOR INTERNAL-COMBUSTION ENGINES, BENZOL, TOLUOL, AND NAPHTHA. COOPERS CREEK CHEMICAL COMPANY, West Conshohocken, Pa.

Filed January 29, 1920. Serial No. 127,716. PUBLISHED SEPTEMBER 20, 1921.

151,721. LIQUID MALT EXTRACTS. HARRY CORCORAN, Chicago, Ill.

Filed July 23, 1921. Serial No. 150,851. PUBLISHED NOVEMBER 8, 1921.

151,722. RUBBER PATCHES, HAVING CORD INTERWOVEN THEREIN, FOR TIRE CASINGS AND TIRE INNER TUBES. THE CORD INTERWOVEN PATCH CO., Detroit, Mich.

Filed April 2, 1921. Serial No. 145,614. PUBLISHED SEPTEMBER 20, 1921.

151,723. BRASSIÈRES AND DIAPHRAGM SUPPORTERS. THE CORSET SUPPLY HOUSE, New York, N. Y.

Filed January 8, 1921. Serial No. 141,967. PUBLISHED NOVEMBER 8, 1921.

151,724. ARTIFICIAL LEATHER. THE COTAROID COMPANY, New York, N. Y.

Filed April 21, 1921. Serial No. 146,480. PUBLISHED OCTOBER 18, 1921.

151,725. PHONOGRAPH CABINETS. ABRAHAM CULP, New York, N. Y.

Filed August 6, 1921. Serial No. 151,505. PUBLISHED OCTOBER 18, 1921.

151,726. UNDERWEAR OF WOVEN SILK MATERIAL, INCLUDING DRAWERS, CHEMISES, COMBINATION SUITS FOR WOMEN AND MISSES. CUPID UNDERWEAR COMPANY, INC., Walden, N. Y.

Filed December 6, 1919. Serial No. 125,651. PUBLISHED MAY 10, 1921.

151,727. CHOCOLATE-COATED PEANUT-CANDY HAVING A MARSHMALLOW CENTER. CURTISS CANDY CO., Chicago, Ill.

Filed April 25, 1921. Serial No. 146,690. PUBLISHED OCTOBER 4, 1921.

151,728. COFFEE. ANTONIE CURTZE, Erie, Pa.

Filed May 28, 1921. Serial No. 148,369. PUBLISHED OCTOBER 18, 1921.

151,729. BEANS, SUGAR, FOOD OILS, RICE, CORN-STARCH, RAISINS, COFFEE, CORN SIRUP. G. C. CRASSOPOULOS, New York, N. Y.

Filed December 4, 1919. Serial No. 125,568. PUBLISHED SEPTEMBER 20, 1921.

151,730. SOAP. H. G. DAHL, Oakland, Calif.

Filed April 30, 1921. Serial No. 147,016. PUBLISHED OCTOBER 11, 1921.

151,731. WATERPROOF AND WEATHER-RESISTANT LIQUID DRESSING FOR AUTOMOBILE TOPS, LEATHER, AND TEXTILE FABRICS. LOYAL E. DAVIS, Seattle, Wash.

Filed October 11, 1920. Serial No. 138,200½. PUBLISHED OCTOBER 25, 1921.

151,732. RUBBER TIRES AND TUBES. THE DAYTON RUBBER MANUFACTURING CO., Dayton, Ohio.

Filed June 15, 1921. Serial No. 149,174. PUBLISHED OCTOBER 11, 1921.

151,733. SAUSAGE, POTTED MEATS, AND CEREALS. CORNED-BEEF HASH. JACOB E. DECKER & SONS, Mason City, Iowa.

Filed September 11, 1920. Serial No. 137,068. PUBLISHED OCTOBER 4, 1921.

151,734. HOSIERY AND MEN'S, WOMEN'S, AND CHILDREN'S KNITTED UNDERWEAR. DELCO HOSIERY & UNDERWEAR CO. INC., New York, N. Y.

Filed May 10, 1921. Serial No. 147,520½. PUBLISHED NOVEMBER 8, 1921.

151,735. FILING CABINETS. HAROLD L. DE LISLE, Chicago, Ill.

Filed June 20, 1921. Serial No. 149,393. PUBLISHED NOVEMBER 1, 1921.

151,736. CERTAIN ARTICLES OF CLOTHING. A. DE PINNA CO., INC., New York, N. Y.

Filed December 22, 1920. Serial No. 141,418. PUBLISHED NOVEMBER 8, 1921.

151,737. CERTAIN NAMED NOTIONS AND FANCY GOODS. DIADEM MFG. CO., Fitchburg, Mass.

Filed April 15, 1921. Serial No. 146,207. PUBLISHED OCTOBER 4, 1921.

151,738. COFFEE. DIRECT COFFEE MILLS, Texarkana, Ark.

Filed May 4, 1921. Serial No. 147,417. PUBLISHED SEPTEMBER 27, 1921.

151,739. BRAIDS AND ARTICLES OF PASSEMENTERIE MADE OF TEXTILES OF ALL KINDS. DOLLFUS-MIEG & CIE. SOCIÉTÉ ANONYME, Mulhouse, Alsace, France.

Filed August 10, 1921. Serial No. 151,615. PUBLISHED OCTOBER 4, 1921.

151,740. WASHING COMPOUND. JOHN J. DOWNEY, Burgettstown, Pa.

Filed November 17, 1920. Serial No. 139,737. PUBLISHED OCTOBER 4, 1921.

151,741. FILTERS AND REFRIGERATORS. JOHN DUNN, SON & CO., New York, N. Y.

Filed December 10, 1920. Serial No. 140,874. PUBLISHED OCTOBER 25, 1921.

151,742. COTTON BUFFS. DURABLE UTILITIES MFG. CORP., Port Chester, N. Y.

Filed August 3, 1921. Serial No. 151,312. PUBLISHED NOVEMBER 1, 1921.

151,743. ELECTRICAL PHONOGRAPH MOTORS. EFFICIENCY ELECTRIC CORPORATION, New York, N. Y.

Filed September 10, 1920. Serial No. 137,029. PUBLISHED NOVEMBER 8, 1921.

151,744. A FLAVORING COMPOUND FOR USE IN FOOD SIRUPS, CANDIES, CONFECTIONERY, AND BAKERY GOODS. ENG-SKELL COMPANY, INC., San Francisco, Calif.

Filed January 27, 1921. Serial No. 142,835. PUBLISHED OCTOBER 4, 1921.

151,745. SOLUBLE CHEMICAL COMPOUNDS FOR USE AS DETERGENTS. THE ELECTRIC SMELTING & ALUMINUM CO. INC., Lockport, N. Y.

Filed June 11, 1921. Serial No. 148,984. PUBLISHED OCTOBER 11, 1921.

151,746. SOLUBLE CHEMICAL COMPOUNDS FOR USE AS DETERGENTS WITH AND WITHOUT THE ADDITION OF SOAP. THE ELECTRIC SMELTING & ALUMINUM CO. INC., Lockport, N. Y.

Filed August 25, 1921. Serial No. 152,165. PUBLISHED NOVEMBER 8, 1921.

- 151,747. SOLUBLE CHEMICAL COMPOUNDS FOR USE AS DETERGENTS WITH AND WITHOUT THE ADDITION OF SOAP. THE ELECTRIC SMELTING & ALUMINUM Co., Inc., Lockport, N. Y.
Filed August 29, 1921. Serial No. 152,319. PUBLISHED NOVEMBER 8, 1921.
- 151,748. ARTIFICIAL FRUIT FOR DECORATIVE EXHIBITIONS AND DISPLAY PURPOSES IN HOMES, SHOPS, STORES, AND LIKE PLACES. JAMES H. EMERY, Inwood Park, N. Y.
Filed April 5, 1921. Serial No. 145,744. PUBLISHED OCTOBER 25, 1921.
- 151,749. HAIRPINS. EMPIRE NOTION Co., New York, N. Y.
Filed July 1, 1921. Serial No. 149,895. PUBLISHED NOVEMBER 1, 1921.
- 151,750. BOOKS, BOOKLETS, PAMPHLETS, CATALOGUES, PRINTED AND ENGRAVED MATTER, AND SIMILAR PUBLICATIONS. THE ESSEN PRESS INC., Newark, N. J.
Filed September 20, 1921. Serial No. 153,133. PUBLISHED NOVEMBER 8, 1921.
- 151,751. WATCHES AND PARTS OF WATCHES. FABRIQUE DE MONTRES SELVA S. A., Bienne, Switzerland.
Filed August 4, 1921. Serial No. 151,359. PUBLISHED OCTOBER 18, 1921.
- 151,752. CONCENTRATED EXTRACT OF MALT SUGAR USED FOR FOOD PURPOSES. H. B. FAGAN, Burlington, Iowa.
Filed March 21, 1921. Serial No. 145,015. PUBLISHED SEPTEMBER 27, 1921.
- 151,753. POTATO FLOUR. FALK AMERICAN POTATO FLOUR CORPORATION, Pittsburgh, Pa.
Filed November 1, 1920. Serial No. 139,027. PUBLISHED SEPTEMBER 27, 1921.
- 151,754. LIVE AND DRESSED DUCKS. FARMERS' COMMISSION HOUSE, Inc., New York, N. Y.
Filed June 22, 1921. Serial No. 149,505. PUBLISHED OCTOBER 18, 1921.
- 151,755. COFFEE. FASSEAS & ONOFRIO, Detroit, Mich.
Filed April 30, 1921. Serial No. 147,018. PUBLISHED OCTOBER 11, 1921.
- 151,756. A SALVE FOR THE TREATMENT OF WOUNDED, SORE, OR GALLED HORSES. HENRY D. FENTON, Coldwater, N. Y.
Filed June 7, 1921. Serial No. 148,796. PUBLISHED OCTOBER 25, 1921.
- 151,757. SOAP. FITZPATRICK BROS., Chicago, Ill.
Filed August 11, 1921. Serial No. 151,665. PUBLISHED OCTOBER 4, 1921.
- 151,758. SOAP. FITZPATRICK BROS., Chicago, Ill.
Filed August 11, 1921. Serial No. 151,666. PUBLISHED NOVEMBER 1, 1921.
- 151,759. SOAP. FITZPATRICK BROS., Chicago, Ill.
Filed August 11, 1921. Serial No. 151,667. PUBLISHED OCTOBER 4, 1921.
- 151,760. COMPRESSED YEAST AND YEAST MIXTURES. THE FLEISCHMANN COMPANY, Cincinnati, Ohio, and New York, N. Y.
Filed May 17, 1921. Serial No. 147,822. PUBLISHED OCTOBER 11, 1921.
- 151,761. TEA AND COFFEE. J. A. FOLGER & Co., San Francisco, Calif.
Filed July 20, 1921. Serial No. 150,664. PUBLISHED NOVEMBER 1, 1921.
- 151,762. FRESH GRAPES, DRIED FRUITS, AND FRESH DECIDUOUS FRUITS. E. Y. FOLEY, Fresno, Calif.
Filed June 3, 1921. Serial No. 148,588. PUBLISHED OCTOBER 4, 1921.
- 151,763. METAL TOKENS OR SAVING CHECKS. STEWART P. FOLTZ, Newcastle, Pa.
Filed September 30, 1920. Serial No. 137,773. PUBLISHED OCTOBER 18, 1921.
- 151,764. SAFETY PAPER. THE FORMAN BASSETT COMPANY, Cleveland, Ohio.
Filed May 2, 1921. Serial No. 147,099. PUBLISHED OCTOBER 11, 1921.
- 151,765. LARD AND DRY SALT AND SWEET-PICKLED PORK. FOWLER PACKING COMPANY, Kansas City, Kans.
Filed May 7, 1920. Serial No. 132,141. PUBLISHED NOVEMBER 1, 1921.
- 151,766. SCOURING POWDERS FOR CLEANING WOOD, METAL, ENAMELED AND OTHER GLOSSY SURFACES, AND SOAPS. THE FOX RIVER COMPANY, Elgin, Ill.
Filed October 27, 1919. Serial No. 124,208. PUBLISHED OCTOBER 18, 1921.
- 151,767. FOR MEN'S AND BOYS' SUITS, TROUSERS, TOPCOATS, REEFERS, MACKINAWs, RAINCOATS, AND KNEE PANTS. ISADOR FRANK, New York, N. Y.
Filed May 3, 1921. Serial No. 147,158. PUBLISHED NOVEMBER 8, 1921.
- 151,768. SOAP FOR HAIR AND SKIN. FRANCES FOX LABORATORIES, INCORPORATED, New York, N. Y.
Filed July 25, 1921. Serial No. 150,893. PUBLISHED OCTOBER 18, 1921.
- 151,769. EVAPORATED MILK. GALLOWAY-WEST COMPANY, Fond du Lac, Wis.
Filed June 3, 1921. Serial No. 148,591. PUBLISHED OCTOBER 4, 1921.
- 151,770. HOLLOW STICKS OF SUGAR CANDY. THE GARDINER-LUCAS Co. INC., Brooklyn, N. Y.
Filed June 21, 1921. Serial No. 149,455. PUBLISHED SEPTEMBER 20, 1921.
- 151,771. HOLLOW STICKS OF SUGAR CANDY. THE GARDINER-LUCAS Co. INC., Brooklyn, N. Y.
Filed June 21, 1921. Serial No. 149,456. PUBLISHED SEPTEMBER 20, 1921.
- 151,772. CRIBS, CRADLES, AND CERTAIN NAMED NURSERY FURNITURE. GEM CRIB & CRADLE COMPANY, Gardner, Mass.
Filed February 11, 1921. Serial No. 143,435. PUBLISHED NOVEMBER 1, 1921.
- 151,773. RUBBER-TIRE CASINGS. GILLETTE RUBBER Co., Eau Claire, Wis.
Filed April 21, 1921. Serial No. 146,484. PUBLISHED SEPTEMBER 20, 1921.
- 151,774. SALAD AND COOKING OIL MADE FROM COTTONSEED. GLOBE COTTON OIL MILLS, Los Angeles, Calif.
Filed April 22, 1921. Serial No. 146,546. PUBLISHED OCTOBER 4, 1921.
- 151,775. SOAP. THE GLOBE SOAP COMPANY, Cincinnati, Ohio.
Filed September 7, 1921. Serial No. 152,678. PUBLISHED OCTOBER 25, 1921.
- 151,776. CANDY. DAVID GOLDENBERG, Philadelphia, Pa.
Filed May 5, 1921. Serial No. 147,238. PUBLISHED OCTOBER 11, 1921.
- 151,777. SERIES OF CARTOONS. REUBEN L. GOLDBERG, New York, N. Y.
Filed May 5, 1921. Serial No. 147,237. PUBLISHED OCTOBER 4, 1921.
- 151,778. MALT AND FRUIT EXTRACTS AND SIRUPS FOR USE IN MAKING NONALCOHOLIC BEVERAGES. SIGMUND L. GOLDMAN, Chicago, Ill.
Filed November 1, 1920. Serial No. 139,033. PUBLISHED NOVEMBER 8, 1921.
- 151,779. ELASTIC VEHICLE TIRES AND TUBES THEREFOR, COMPOSED WHOLLY OR IN PART OF RUBBER. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed August 16, 1921. Serial No. 151,830. PUBLISHED OCTOBER 4, 1921.

151,780. CANDY. THEODORE GOTTMANN & SONS, Chicago, Ill.

Filed January 12, 1921. Serial No. 142,144. PUBLISHED JULY 26, 1921.

151,781. TILE AND PORCELAIN CLEANSER. THE GRADY MFG. CO., Long Island City, N. Y.

Filed August 22, 1921. Serial No. 152,011. PUBLISHED NOVEMBER 8, 1921.

151,782. MEN'S, BOYS', AND CHILDREN'S HATS AND CAPS. BARNETT L. GRAM, St. Louis, Mo.

Filed May 16, 1921. Serial No. 147,776. PUBLISHED NOVEMBER 8, 1921.

151,783. COFFEE. GRANGER & Co., Buffalo, N. Y.

Filed April 27, 1921. Serial No. 146,821. PUBLISHED OCTOBER 4, 1921.

151,784. FRUIT JAMS, JELLIES, PRESERVES, AND MARMALADE. JOHN GRAY & COMPANY, LIMITED, Glasgow, Scotland.

Filed December 16, 1920. Serial No. 141,167. PUBLISHED SEPTEMBER 27, 1921.

151,785. CHEESE CRACKERS. THE GREEN AND GREEN COMPANY, Dayton, Ohio.

Filed May 23, 1921. Serial No. 148,066. PUBLISHED SEPTEMBER 20, 1921.

151,786. CATSUP AND CHILLI SAUCE. GREENABAUM BROS., Inc., Seaford, Del.

Filed December 14, 1920. Serial No. 141,066. PUBLISHED MAY 24, 1921.

151,787. A SERIES OF BOOKS PUBLISHED PERIODICALLY. GROSSET & DUNLAP, Inc., New York, N. Y.

Filed June 9, 1921. Serial No. 148,879. PUBLISHED OCTOBER 18, 1921.

151,788. A SERIES OF BOOKS PUBLISHED PERIODICALLY. GROSSET & DUNLAP, Inc., New York, N. Y.

Filed June 9, 1921. Serial No. 148,880. PUBLISHED OCTOBER 18, 1921.

151,789. CERTAIN NAMED HORSE-DRAWN AND MOTOR-VEHICLES AND SHIPS' PROPELLERS. HADFIELDS LIMITED, Sheffield, England.

Filed August 19, 1920. Serial No. 136,259. PUBLISHED OCTOBER 11, 1921.

151,790. CERTAIN NAMED HOUSEHOLD FURNITURE. THE HADLEY Co., Springfield, Ohio.

Filed December 13, 1920. Serial No. 140,995. PUBLISHED OCTOBER 18, 1921.

151,791. COFFEE. MARTIN L. HALL COMPANY, Boston, Mass.

Filed March 18, 1921. Serial No. 144,911. PUBLISHED OCTOBER 11, 1921.

151,792. PEANUT TAFFY AND TAFFY OF OTHER AND VARIOUS FLAVORS, AND CHOCOLATE MARSHMALLOWS. GEORGE D. HAMMERBACHER, Baltimore, Md.

Filed March 29, 1921. Serial No. 145,399. PUBLISHED NOVEMBER 1, 1921.

151,793. ICE CREAM. EDITH E. HARRER, Canandaigua, N. Y.

Filed June 28, 1921. Serial No. 149,752. PUBLISHED OCTOBER 18, 1921.

151,794. PAMPHLETS, CIRCULARS, AND LIKE ADVERTISING MATTER SOLD AS A COMMODITY. MILTON HARTMAN, Detroit, Mich.

Filed November 20, 1920. Serial No. 139,889. PUBLISHED NOVEMBER 29, 1921.

151,795. VEHICLE SPRINGS. THOMAS W. C. HARTMAN, Philadelphia, Pa.

Filed June 6, 1921. Serial No. 148,736. PUBLISHED OCTOBER 4, 1921.

151,796. OLIVE OIL, MAYONNAISE, MAPLE SUGAR, HONEY, TABLE SIRUPS, JAMS, JELLIES, AND PEANUT BUTTER. HOFFMAN & HAUCK, Inc., Woodhaven, N. Y.

Filed March 31, 1921. Serial No. 145,511. PUBLISHED OCTOBER 18, 1921.

151,797. CANNED PINEAPPLE. HAWAIIAN PINEAPPLE COMPANY, LTD., San Francisco, Calif., and Honolulu, Territory of Hawaii.

Filed May 9, 1921. Serial No. 147,424. PUBLISHED OCTOBER 4, 1921.

151,798. CANNED PINEAPPLE. HAWAIIAN PINEAPPLE COMPANY, LTD., San Francisco, Calif., and Honolulu, Territory of Hawaii.

Filed May 9, 1921. Serial No. 147,425. PUBLISHED OCTOBER 4, 1921.

151,799. CANNED PINEAPPLE. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif.

Filed March 30, 1921. Serial No. 145,454. PUBLISHED OCTOBER 4, 1921.

151,800. CANNED PINEAPPLE. HAWAIIAN PINEAPPLE COMPANY, LTD., San Francisco, Calif.

Filed April 1, 1921. Serial No. 145,564. PUBLISHED OCTOBER 4, 1921.

151,801. CANDY. HAWLEY & HOOPS, New York, N. Y.

Filed November 29, 1920. Serial No. 140,381. PUBLISHED OCTOBER 4, 1921.

151,802. INKED RIBBONS AND CARBON SHEETS FOR DUPLICATING AND TRANSFERRING IMPRESSIONS. ADOLPH M. HECK, Los Angeles, Calif.

Filed July 12, 1921. Serial No. 150,271. PUBLISHED NOVEMBER 15, 1921.

151,803. FLOURS, MIDDINGS, CORN MEAL, CORN FLAKES, HOMINY, RICE, OATMEAL. HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y.

Filed May 20, 1921. Serial No. 147,958. PUBLISHED OCTOBER 4, 1921.

151,804. CANDY. HEIT MILLER LAU Co., Fort Wayne, Ind.

Filed March 21, 1921. Serial No. 145,018. PUBLISHED SEPTEMBER 27, 1921.

151,805. FEATHER PILLOWS. THE R. C. HELLER COMPANY, Baltimore, Md.

Filed November 24, 1920. Serial No. 140,119. PUBLISHED OCTOBER 18, 1921.

151,806. BUTTER, EGGS, ICE CREAM, CHEESE, CANNED SALMON, EVAPORATED WHOLE MILK, BOX-PACKED DRESSED POULTRY. HENNINGSEN PRODUCE Co., Butte, Mont.

Filed March 29, 1921. Serial No. 145,400. PUBLISHED SEPTEMBER 27, 1921.

151,807. SHOCK ABSORBERS FOR MOTOR VEHICLES. H. L. G. MANUFACTURING COMPANY, Indianapolis, Ind.

Filed March 19, 1920. Serial No. 129,928. PUBLISHED SEPTEMBER 20, 1921.

151,808. CANNED FISH. K. HOVDEN COMPANY, Monterey, Calif.

Filed July 14, 1920. Serial No. 134,953. PUBLISHED OCTOBER 18, 1921.

151,809. CERTAIN NAMED BELTING, HOSE, FILTER TUBING, PACKING, AND BRAKE BANDING. WM. E. HOOPER & SONS Co., Baltimore, Md.

Filed May 14, 1921. Serial No. 147,723. PUBLISHED SEPTEMBER 20, 1921.

151,810. HOSIERY. HOSIERY CLEARING HOUSE INC., New York, N. Y.

Filed March 15, 1919. Serial No. 116,598. PUBLISHED OCTOBER 18, 1921.

151,811. A POWDER FOR GENERAL HOUSEHOLD CLEANING PURPOSES HAVING INCIDENTAL WATER-SOFTENING PROPERTIES. JESSE N. HOYT, Delaware, Ohio.

Filed April 21, 1921. Serial No. 146,486. PUBLISHED OCTOBER 4, 1921.

151,812. SHOE LACES. THE HUTMACHER BRAIDING COMPANY, Paterson, N. J.

Filed September 28, 1921. Serial No. 153,456. PUBLISHED NOVEMBER 8, 1921.

151,813. SHOE LACES. THE HUTMACHER BRAIDING COMPANY, Paterson, N. J.
Filed September 28, 1921. Serial No. 153,455. PUBLISHED NOVEMBER 8, 1921.

151,814. RAZOR STROPS. ILLINOIS RAZOR STROP COMPANY, Chicago, Ill.
Filed June 4, 1921. Serial No. 148,657. PUBLISHED NOVEMBER 1, 1921.

151,815. RAZOR STROPS. ILLINOIS RAZOR STROP COMPANY, Chicago, Ill.
Filed June 4, 1921. Serial No. 148,658. PUBLISHED NOVEMBER 1, 1921.

151,816. CANNED VEGETABLES. INDERRIEDEN CANNING Co., Chicago, Ill.
Filed May 24, 1921. Serial No. 148,148. PUBLISHED OCTOBER 4, 1921.

151,817. NONALCOHOLIC, MALTLESS FLAVORING EXTRACTS FOR BIRCH BEER AND RASPBERRY ADE. INSTANT EXTRACT COMPANY, Monessen, Pa.
Filed November 26, 1920. Serial No. 140,182. PUBLISHED NOVEMBER 8, 1921.

151,818. KNITTED HOSIERY, KNITTED UNDERWEAR, AND KNITTED PETTICOATS FOR WOMEN. EDWARD J. ISAACS, New York, N. Y.
Filed March 25, 1921. Serial No. 145,215. PUBLISHED NOVEMBER 8, 1921.

151,819. CUSHIONS. THE JESSAL COMPANY, Brooklyn, N. Y.
Filed July 21, 1921. Serial No. 150,749. PUBLISHED OCTOBER 18, 1921.

151,820. WRITING INKS. JIFFY PEN COMPANY, Sioux City, Iowa.
Filed May 14, 1921. Serial No. 147,725. PUBLISHED NOVEMBER 1, 1921.

151,821. A NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. CLARENCE PAUL JOHNSON, Sheldon, Ill.
Filed July 5, 1921. Serial No. 150,015. PUBLISHED NOVEMBER 8, 1921.

151,822. INSECTICIDE. W. H. JOHNSON, Union City, Tenn.
Filed July 20, 1921. Serial No. 150,683. PUBLISHED OCTOBER 25, 1921.

151,823. CERTAIN NAMED SPRINGS, MATTRESSES, AND PILLOWS. JOHN H. JONES, New York, N. Y.
Filed August 26, 1921. Serial No. 152,205. PUBLISHED OCTOBER 18, 1921.

151,824. INSECTICIDE. JONSON EUREKA COMBINATION SPRAY Co., Yakima, Wash.
Filed August 4, 1921. Serial No. 151,364. PUBLISHED OCTOBER 18, 1921.

151,825. INSECTICIDE. JONSON EUREKA COMBINATION SPRAY Co., Yakima, Wash.
Filed August 4, 1921. Serial No. 151,363. PUBLISHED OCTOBER 18, 1921.

151,826. BREAD. FRANK JUNGWAEHLER, St. Louis, Mo.
Filed February 7, 1920. Serial No. 128,095. PUBLISHED NOVEMBER 8, 1921.

151,827. POTATO RYE BREAD. FRANK JUNGWAEHLER, St. Louis, Mo.
Filed February 7, 1920. Serial No. 128,094. PUBLISHED NOVEMBER 8, 1921.

151,828. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUP FOR MAKING THE SAME. THOMAS B. KANE, Philadelphia, Pa.
Filed August 12, 1921. Serial No. 151,718. PUBLISHED OCTOBER 18, 1921.

151,829. WRITING INKS. ALBERT PETER KELLER, New Orleans, La.
Filed September 22, 1920. Serial No. 137,479. PUBLISHED NOVEMBER 1, 1921.

151,830. MAYONNAISE DRESSING. THE KELLY BUSY CORNER COMPANY, Middletown, Conn.
Filed May 24, 1921. Serial No. 148,151. PUBLISHED OCTOBER 18, 1921.

151,831. PREPARATION ADAPTED FOR CLEANING GLASS AND PREVENTING ACCUMULATION OF MIST, RAIN, AND FROST THEREON. JOHN H. KELLY, Bellingham, Wash.
Filed June 28, 1921. Serial No. 149,756. PUBLISHED NOVEMBER 8, 1921.

151,832. STOVE POLISH. KITCHEN PRODUCTS Co., Brooklyn, N. Y.
Filed September 2, 1921. Serial No. 152,508. PUBLISHED NOVEMBER 8, 1921.

151,833. FRESH ORANGES, GRAPEFRUIT, LEMONS, LIMES, AND ALL CITRUS FRUITS. JOSEPH M. KNIGHT, Elfers, Fla.
Filed June 13, 1921. Serial No. 149,084. PUBLISHED OCTOBER 4, 1921.

151,834. A REMEDY FOR THE TREATMENT OF RHEUMATISM. M. J. KVIEDERA, Cicero, Ill.
Filed August 1, 1921. Serial No. 151,222. PUBLISHED OCTOBER 18, 1921.

151,835. CANTALOUPE AND FRESH GRAPES. R. KRASNOW & SONS, Inc., Pittsburgh, Pa.
Filed May 24, 1921. Serial No. 148,152. PUBLISHED OCTOBER 4, 1921.

151,836. TEA. C. H. KRONEBERGER & Co., Baltimore, Md.
Filed May 28, 1921. Serial No. 148,391. PUBLISHED OCTOBER 18, 1921.

151,837. CRAVATS. ISIDOR KUNSTLER, New York, N. Y.
Filed March 25, 1921. Serial No. 145,220. PUBLISHED AUGUST 9, 1921.

151,838. HAIR GROWER. ARTHUR LAVAC, Cicero, Ill.
Filed April 28, 1921. Serial No. 146,919. PUBLISHED SEPTEMBER 27, 1921.

151,839. PACKAGE OUTFITS CONTAINING CERTAIN NAMED GOODS. JAMES LEES AND SONS COMPANY, Bridgeport, Pa.
Filed June 8, 1921. Serial No. 149,050. PUBLISHED OCTOBER 18, 1921.

151,840. AUTOMOBILE BODIES. LEHMAN MFG. Co., Cannelton, Ind.
Filed May 18, 1921. Serial No. 147,883. PUBLISHED OCTOBER 4, 1921.

151,841. AUTOMOBILE VANS AND MOTOR TRUCKS. JOHN PETER LEHRER, Belmont Park, N. Y.
Filed June 10, 1921. Serial No. 148,941. PUBLISHED SEPTEMBER 20, 1921.

151,842. HAIR DRESSING. LEWIS BROTHERS, New York, N. Y.
Filed July 14, 1921. Serial No. 150,362. PUBLISHED OCTOBER 18, 1921.

151,843. TOILET SOAPS. FLORENCE N. LEWIS, New York, N. Y.
Filed February 12, 1921. Serial No. 143,505. PUBLISHED OCTOBER 18, 1921.

151,844. REAR-VIEW MIRRORS. LIBERTY MIRROR WORKS, Pittsburgh, Pa.
Filed April 26, 1921. Serial No. 146,773. PUBLISHED OCTOBER 18, 1921.

151,845. CANDIES AND CHOCOLATES. LIBERTY TREE CANDY COMPANY, Boston, Mass.
Filed February 17, 1921. Serial No. 143,696. PUBLISHED OCTOBER 11, 1921.

151,846. HAIR COMBS NOT MADE OF PRECIOUS METAL. ANNIE LICHTENSTEIN, New York, N. Y.
Filed October 15, 1920. Serial No. 138,321. PUBLISHED NOVEMBER 1, 1921.

151,847. PAMPHLETS, LEAFLETS, AND CIRCULARS DEVOTED TO PHOTO-ENGRAVING SUBJECTS. THE LIMA PHOTO-ENGRAVING Co., Lima, Ohio.
Filed June 10, 1921. Serial No. 148,942. PUBLISHED NOVEMBER 8, 1921.

- 151,848. LEATHER SHOES, LEATHER SLIPPERS, LEATHER MOCCASINS. M. B. LINGENFELDER Co., Camden, N. Y.
Filed February 11, 1921. Serial No. 143,444. PUBLISHED OCTOBER 25, 1921.
- 151,849. VANILLA FLAVOR, TERPENELESS EXTRACT OF LEMON, PURE VANILLA EXTRACT, AND CONCENTRATED EXTRACT OF LEMON. GEORGE U. LIPSHULCH, Chicago, Ill.
Filed April 25, 1921. Serial No. 146,717. PUBLISHED OCTOBER 18, 1921.
- 151,850. BREAD. PETER P. LISIECKI, Detroit, Mich.
Filed May 19, 1921. Serial No. 147,928. PUBLISHED SEPTEMBER 20, 1921.
- 151,851. A MONTHLY MAGAZINE. LONG PRINTING COMPANY, Philadelphia, Pa.
Filed May 10, 1921. Serial No. 147,523. PUBLISHED OCTOBER 18, 1921.
- 151,852. TOILET SOAP. LOS ANGELES SOAP Co., Los Angeles, Calif.
Filed August 27, 1921. Serial No. 152,259. PUBLISHED NOVEMBER 8, 1921.
- 151,853. TOILET SOAP. LOS ANGELES SOAP Co., Los Angeles, Calif.
Filed August 27, 1921. Serial No. 152,263. PUBLISHED OCTOBER 25, 1921.
- 151,854. LAUNDRY SOAP. LOS ANGELES SOAP Co., Los Angeles, Calif.
Filed August 27, 1921. Serial No. 152,265. PUBLISHED NOVEMBER 8, 1921.
- 151,855. WASHING POWDER. LOS ANGELES SOAP Co., Los Angeles, Calif.
Filed August 27, 1921. Serial No. 152,266. PUBLISHED NOVEMBER 8, 1921.
- 151,856. A LIQUID FOR CLEANING THE FLOORS. ALFRED LUCATI, New York, N. Y.
Filed August 29, 1921. Serial No. 152,334. PUBLISHED NOVEMBER 8, 1921.
- 151,857. CLOTHES-WASHING LIQUID USED WITH HOT OR COLD WATER. ALFRED LUCATI, New York, N. Y.
Filed August 29, 1921. Serial No. 152,336. PUBLISHED NOVEMBER 8, 1921.
- 151,858. MACARONI AND SPAGHETTI, ALSO EGG NOODLES. MACARONI FOODS CORPORATION, Omaha, Nebr.
Filed June 8, 1921. Serial No. 148,847. PUBLISHED SEPTEMBER 20, 1921.
- 151,859. A MONTHLY MAGAZINE PUBLICATION. THE MAGAZINE CORPORATION, Indianapolis, Ind., and New York, N. Y.
Filed July 16, 1921. Serial No. 150,459. PUBLISHED OCTOBER 11, 1921.
- 151,860. SEASONINGS FOR IMPROVING SOUPS, SAUCES, GRAVIES, AND OTHER DISHES; SOUPS, CONSOMME, BOUILLON, SAUCES, AND GRAVIES. THE MAGGI Co., Kempthal, Zurich, Switzerland.
Filed April 29, 1921. Serial No. 146,973. PUBLISHED NOVEMBER 1, 1921.
- 151,861. CANDY. MANUFACTURING COMPANY OF AMERICA, Philadelphia, Pa.
Filed May 19, 1921. Serial No. 147,938. PUBLISHED OCTOBER 11, 1921.
- 151,862. COMPOSITION SOLING MATERIAL IN SHEET FORM. THE MARATHON TIRE & RUBBER COMPANY, Cuyahoga Falls, Ohio.
Filed March 16, 1920. Serial No. 129,790. PUBLISHED OCTOBER 18, 1921.
- 151,863. CANDIES. MASON, AU & MAGENHEIMER CONFECTIONERY MANUFACTURING COMPANY, Brooklyn, N. Y.
Filed June 11, 1921. Serial No. 149,014. PUBLISHED SEPTEMBER 20, 1921.
- 151,864. SEALS WHICH ARE COMPLETELY PRINTED AND READY TO BE USED UPON PACKAGES. F. E. MASON & SONS, Batavia, N. Y.
Filed February 23, 1921. Serial No. 143,937. PUBLISHED NOVEMBER 8, 1921.
- 151,865. FOR WIPING, POLISHING, AND CLEANING CLOTHS. MASSASOIT MANUFACTURING COMPANY, Fall River, Mass.
Filed August 24, 1921. Serial No. 152,134. PUBLISHED NOVEMBER 8, 1921.
- 151,866. NONALCOHOLIC, MALTLESS SIRUPS AND FLAVORINGS FOR MAKING SOFT DRINKS AND BEVERAGES MADE THEREFROM. MCDANIEL DRUG COMPANY, Louisville, Ky.
Filed September 27, 1919. Serial No. 123,213. PUBLISHED NOVEMBER 8, 1921.
- 151,867. KITCHEN CABINETS. MCDUGALL COMPANY, Frankfort, Ind.
Filed July 5, 1921. Serial No. 150,018. PUBLISHED OCTOBER 18, 1921.
- 151,868. MAYONNAISE DRESSING, OLIVE MAYONNAISE, AND RUSSIAN DRESSING. JOHN SNADDEN MCGOWAN, Orange, N. J.
Filed May 25, 1921. Serial No. 148,232. PUBLISHED OCTOBER 11, 1921.
- 151,869. METAL BEDSTEADS AND CRIBS. MERSEBAU METAL BED COMPANY, Jersey City, N. J.
Filed July 21, 1921. Serial No. 150,762. PUBLISHED OCTOBER 18, 1921.
- 151,870. SOAP. MICHIGAN SPECIALTY Co., Lansing, Mich.
Filed August 31, 1921. Serial No. 152,435. PUBLISHED OCTOBER 25, 1921.
- 151,871. BONING, STEELS, AND STAYING MATERIALS FOR CORSETS OR OTHER WEARING APPAREL. MIGHTYBONE CORPORATION OF NEW YORK, New York, N. Y.
Filed May 2, 1921. Serial No. 147,115. PUBLISHED OCTOBER 4, 1921.
- 151,872. BONING, STEELS, AND STAYING MATERIALS. MIGHTYBONE CORPORATION OF NEW YORK, Detroit, Mich.
Filed July 11, 1921. Serial No. 150,245. PUBLISHED NOVEMBER 8, 1921.
- 151,873. A MONTHLY MAGAZINE. CHARLES E. MILLER, Los Angeles, Calif.
Filed March 15, 1921. Serial No. 144,780. PUBLISHED OCTOBER 11, 1921.
- 151,874. HATS AND CAPS FOR MEN AND CHILDREN. SAMUEL MILLER & Co., New York, N. Y.
Filed November 11, 1920. Serial No. 139,544. PUBLISHED NOVEMBER 8, 1921.
- 151,875. STOCK FEED. MILLER-McCONNEL GRAIN Co., Kansas City, Kans.
Filed October 29, 1920. Serial No. 138,951. PUBLISHED JANUARY 25, 1921.
- 151,876. WHEAT FLOUR. THE MILLERS MILLING COMPANY, Enid, Okla.
Filed May 9, 1921. Serial No. 147,444. PUBLISHED SEPTEMBER 20, 1921.
- 151,877. CHEWING GUM. MINT GUM COMPANY, INC., New York, N. Y.
Filed February 26, 1921. Serial No. 144,096. PUBLISHED OCTOBER 4, 1921.
- 151,878. DRESSED POULTRY. MISSOURI EGG & POULTRY COMPANY, Sedalia, Mo.
Filed February 21, 1921. Serial No. 143,871. PUBLISHED NOVEMBER 1, 1921.
- 151,879. DRESSED POULTRY. MISSOURI EGG & POULTRY COMPANY, Sedalia, Mo.
Filed February 25, 1921. Serial No. 144,215. PUBLISHED OCTOBER 4, 1921.

151,880. LARD. JOHN MORRELL & COMPANY, Ottumwa, Iowa.
Filed May 7, 1921. Serial No. 147,364. PUBLISHED OCTOBER 4, 1921.

151,881. BACON, FRESH PORK, AND FRESH SAUSAGE. JOHN MORRELL & COMPANY, Ottumwa, Iowa.
Filed May 7, 1921. Serial No. 147,366. PUBLISHED SEPTEMBER 20, 1921.

151,882. GLOVES MADE OF LEATHER. MORRISON RICKER MFG. Co., Grinnell, Iowa.
Filed May 9, 1921. Serial No. 147,447. PUBLISHED NOVEMBER 8, 1921.

151,883. ONE-PIECE WOMEN'S TEXTILE-FABRIC UNDERGARMENTS. CLARA L. MOTTA, Modesto, Calif.
Filed April 19, 1921. Serial No. 146,384. PUBLISHED NOVEMBER 8, 1921.

151,884. MALT EXTRACTS. CECILIA MOTEKEWECZ, New York, N. Y.
Filed July 12, 1921. Serial No. 150,281. PUBLISHED NOVEMBER 8, 1921.

151,885. ICE-CREAM CONES. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y.
Filed July 26, 1921. Serial No. 150,973. PUBLISHED NOVEMBER 1, 1921.

151,886. GREEN, FRESH, AND CANNED VEGETABLES. ILHAN H. NEW, Detroit, Mich.
Filed April 11, 1921. Serial No. 146,027. PUBLISHED OCTOBER 11, 1921.

151,887. DRESSERS, CHIFFERETTES, DRESSING TABLES, BEDS, VANITY DRESSERS, NIGHT TABLES, BEDROOM BENCHES, AND CHAIRS. FLOYD H. NEWMARKER, Warren, Pa.
Filed June 3, 1921. Serial No. 148,611. PUBLISHED NOVEMBER 1, 1921.

151,888. BED SPRINGS. NORTHWESTERN BEDDING AND MANUFACTURING Co., St. Paul, Minn.
Filed July 18, 1921. Serial No. 150,554. PUBLISHED NOVEMBER 1, 1921.

151,889. CHOCOLATES AND CANDIES. NOVIA CANDY Co., INC., Brooklyn, N. Y.
Filed May 5, 1921. Serial No. 147,253. PUBLISHED SEPTEMBER 27, 1921.

151,890. A CLEANING PREPARATION IN POWDERED FORM HAVING WATER-SOFTENING PROPERTIES. NOYES BROS. & CUTLER, INCORPORATED, St. Paul, Minn.
Filed June 20, 1921. Serial No. 149,416. PUBLISHED OCTOBER 18, 1921.

151,891. CATHARTIC PILLS. PAUL O. NUTT, Des Moines, Iowa.
Filed December 7, 1920. Serial No. 140,744. PUBLISHED MAY 3, 1921.

151,892. BUTTER SUBSTITUTE. THE OHIO DAIRY Co., Toledo, Ohio.
Filed October 30, 1920. Serial No. 138,998. PUBLISHED OCTOBER 4, 1921.

151,893. AN ANTISEPTIC AND PROPHYLACTIC SOLUTION. OHIO VALLEY DRUG COMPANY, Wheeling, W. Va.
Filed August 3, 1921. Serial No. 151,329. PUBLISHED OCTOBER 18, 1921.

151,894. ELIXIR RHEUBARB ALKALINE WITH PANCREATIN. OHIO VALLEY DRUG COMPANY, Wheeling, W. Va.
Filed August 3, 1921. Serial No. 151,330. PUBLISHED OCTOBER 18, 1921.

151,895. FRESH DECIDUOUS FRUITS AND DRIED DECIDUOUS FRUITS. OREGON GROWERS COOPERATIVE ASSN., Salem, Oreg.
Filed May 9, 1921. Serial No. 147,451. PUBLISHED OCTOBER 4, 1921.

151,896. OLIVE OIL. ORIENTAL PRODUCTS IMPORTING Co., Syracuse, N. Y.
Filed June 7, 1921. Serial No. 148,813. PUBLISHED OCTOBER 18, 1921.

151,897. SHOE POLISHES, KID CLEANERS, AND LEATHER DRESSINGS. PANREX MANUFACTURING Co., Chicago, Ill.
Filed August 8, 1921. Serial No. 151,560. PUBLISHED NOVEMBER 8, 1921.

151,898. WATERPROOF CLOTH IN THE PIECE. THE PANTASOTE LEATHER COMPANY, Passaic, N. J.
Filed June 21, 1921. Serial No. 149,482. PUBLISHED OCTOBER 4, 1921.

151,899. WINDOW SHADES. THE PARIS MANUFACTURING COMPANY, Cleveland, Ohio.
Filed July 18, 1921. Serial No. 150,563. PUBLISHED OCTOBER 18, 1921.

151,900. NEEDLES—NAMELY, KNITTING, NETTING, AND HAND-SEWING; ALSO TOILET PINS. BENJAMIN JAMES PARSONS, Redditch, England.
Filed July 17, 1920. Serial No. 135,107. PUBLISHED NOVEMBER 8, 1921.

151,901. A PREPARATION FOR THE TREATMENT OF ASTHMA. ALPHONSE J. PATER, Hamilton, Ohio.
Filed August 4, 1921. Serial No. 151,377. PUBLISHED OCTOBER 18, 1921.

151,902. CERTAIN NAMED CHAIRS. THE PEABODY SCHOOL FURNITURE Co., North Manchester, Ind.
Filed April 7, 1921. Serial No. 145,856. PUBLISHED OCTOBER 4, 1921.

151,903. DESKS AND FOLDING AND SCHOOL CHAIRS. THE PEABODY SCHOOL FURNITURE Co., North Manchester, Ind.
Filed April 7, 1921. Serial No. 145,857. PUBLISHED NOVEMBER 1, 1921.

151,904. LAUNDRY SOAP. C. T. PERRY & COMPANY, Helena, Mont.
Filed July 29, 1921. Serial No. 151,097. PUBLISHED NOVEMBER 1, 1921.

151,905. BARLEY-MALT SIRUP FOR USE IN BAKING AND CANDY MAKING. PFEIFFER BROS., Brooklyn, N. Y.
Filed January 27, 1921. Serial No. 142,852. PUBLISHED OCTOBER 18, 1921.

151,906. INSECTICIDES FOR THE DESTRUCTION OF FLIES, FLEAS, MOSQUITOES, BUTTERFLIES, MITES, AND BUGS. GUSTAVE PHILBERT, Nice, France.
Filed August 4, 1921. Serial No. 151,378. PUBLISHED OCTOBER 18, 1921.

151,907. SHOE POLISH IN PASTE, LIQUID, AND POWDERED FORM. NICK PICCOLI, Paterson, N. J.
Filed June 24, 1921. Serial No. 149,599. PUBLISHED OCTOBER 4, 1921.

151,908. BUTTER. PIONEER CREAMERY Co., Galesburg, Ill.
Filed May 25, 1921. Serial No. 148,238. PUBLISHED SEPTEMBER 20, 1921.

151,909. SOAPS. THE PIONEER TAR SOAP COMPANY, Dayton, Ohio.
Filed August 15, 1921. Serial No. 151,809. PUBLISHED OCTOBER 4, 1921.

151,910. STRAIGHT AND SAFETY PINS. THE PLUME & ATWOOD MFG. COMPANY, Waterbury, Conn.
Filed June 15, 1921. Serial No. 149,201. PUBLISHED OCTOBER 4, 1921.

151,911. BELTS FOR PERSONAL WEAR. G. M. POIX, INC., Brooklyn, N. Y.
Filed May 5, 1921. Serial No. 147,258. PUBLISHED NOVEMBER 8, 1921.

151,912. GREETING CARDS. POST-MICHEL Co., INC., Buffalo, N. Y.
Filed October 12, 1920. Serial No. 138,232. PUBLISHED NOVEMBER 8, 1921.

- 151,913. DETECTORS FOR INDICATING THE CONDITION OF AUTOMOBILE IGNITION AND SIGNALING CIRCUITS. EARLE F. POTTER, Creston, Iowa.
Filed May 19, 1921. Serial No. 147,940. PUBLISHED NOVEMBER 15, 1921.
- 151,914. MOTOR TRUCKS. POWER TRUCK AND TRACTOR COMPANY, Detroit, Mich.
Filed February 21, 1921. Serial No. 143,894. PUBLISHED OCTOBER 11, 1921.
- 151,915. WHEAT FLOUR. THE FRANK R. PRINA CORPORATION, New York, N. Y.
Filed June 18, 1921. Serial No. 149,350. PUBLISHED OCTOBER 4, 1921.
- 151,916. WHEAT FLOUR. THE FRANK R. PRINA CORPORATION, New York, N. Y.
Filed June 18, 1921. Serial No. 149,351. PUBLISHED OCTOBER 4, 1921.
- 151,917. CONCENTRATED FOOD FOR INFANTS, INVALIDS, AND CONVALESCENTS. G. PRUNIER & CIE., Paris, France.
Filed May 20, 1921. Serial No. 147,984. PUBLISHED SEPTEMBER 27, 1921.
- 151,918. TOOTH PASTE. THE PYORR-LARIS COMPANY, St. Louis, Mo.
Filed July 28, 1921. Serial No. 151,062. PUBLISHED OCTOBER 18, 1921.
- 151,919. METAL BEDS, CRIBS, COUCHES, AND SPRINGS AND MATTRESSES THEREFOR. QUALITY MATTRESS COMPANY, Rochester, N. Y.
Filed June 8, 1921. Serial No. 148,853. PUBLISHED OCTOBER 18, 1921.
- 151,920. TYPEWRITER CARBON PAPER AND TYPEWRITER RIBBONS. QUEST MANUFACTURING COMPANY, Chicago, Ill.
Filed April 21, 1921. Serial No. 146,499. PUBLISHED NOVEMBER 1, 1921.
- 151,921. FISH AND SEA FOOD, AND MORE PARTICULARLY CANNED FILLET OF FLOUNDER, SKATE, FISH BOLOGNA, AND MUSSELS. THE RAY FISH PACKING Co. INC., Bay Shore, N. Y.
Filed September 10, 1918. Serial No. 113,112. PUBLISHED DECEMBER 21, 1920.
- 151,922. GASOLINE AND FUEL ENERGIZER. THE REFINO COMPANY, Denver, Colo.
Filed June 28, 1921. Serial No. 149,775. PUBLISHED OCTOBER 11, 1921.
- 151,923. GASOLINE AND FUEL ENERGIZER. THE REFINO COMPANY, Denver, Colo.
Filed June 28, 1921. Serial No. 149,776. PUBLISHED OCTOBER 11, 1921.
- 151,924. HEN FEED, CHICK FEED, LAYING MASH, AND CORN MEAL. RICHLAND MILLING COMPANY, Belleville, Ill.
Filed June 18, 1921. Serial No. 149,356. PUBLISHED OCTOBER 4, 1921.
- 151,925. CHAIRS FOR USE IN HOMES AND STORES. FRANK RIEDER & SONS, Philadelphia, Pa.
Filed February 16, 1921. Serial No. 143,659. PUBLISHED OCTOBER 11, 1921.
- 151,926. CANDIES. ROGERS CANDY & ICE CREAM CO., Seattle, Wash.
Filed June 25, 1921. Serial No. 149,653. PUBLISHED OCTOBER 18, 1921.
- 151,927. HONEY. THE A. I. ROOT COMPANY, Medina, Ohio.
Filed April 18, 1921. Serial No. 146,334. PUBLISHED AUGUST 16, 1921.
- 151,928. POTATOES, ONIONS, APPLES, CABBAGES, TURNIPS, BEETS, AND CARROTS IN THEIR NATURAL STATE. ABE ROSENBLUM, Brooklyn, N. Y.
Filed February 2, 1921. Serial No. 143,104. PUBLISHED SEPTEMBER 27, 1921.
- 151,929. COFFEE, COCOA, AND CHOCOLATE. ROYAL COCOA Co., Jersey City, N. J.
Filed April 12, 1921. Serial No. 146,086. PUBLISHED OCTOBER 18, 1921.
- 151,930. DENTIFRICES—NAMESLY, TOOTH PASTES. ROBERT W. RENNIE, Detroit, Mich.
Filed January 19, 1920. Serial No. 127,332. PUBLISHED OCTOBER 25, 1921.
- 151,931. SILVER-PLATED FLAT AND HOLLOW WARE. SIMEON L. & GEORGE H. ROGERS COMPANY, Hartford, Conn.
Filed January 8, 1921. Serial No. 141,994. PUBLISHED NOVEMBER 1, 1921.
- 151,932. ALCOHOLIC SOLVENT. THE ROSSVILLE COMPANY, Lawrenceburg, Ind.
Filed August 1, 1921. Serial No. 151,232. PUBLISHED OCTOBER 18, 1921.
- 151,933. CHOCOLATE CANDY. SAMOSET CHOCOLATES COMPANY, Boston, Mass.
Filed June 24, 1920. Serial No. 134,147. PUBLISHED OCTOBER 4, 1921.
- 151,934. WIRE HAIRPINS. SAMSTAG & HILDER BROS., New York, N. Y.
Filed June 22, 1921. Serial No. 149,525. PUBLISHED OCTOBER 11, 1921.
- 151,935. SHOES FOR CHILDREN, MADE OF LEATHER. SANGER BROTHERS INC., Dallas, Tex., and New York, N. Y.
Filed May 17, 1921. Serial No. 147,849. PUBLISHED NOVEMBER 8, 1921.
- 151,936. BLOOD-PURIFYING MEDICINE. ABDUL SATR, Burgettstown, Pa.
Filed August 2, 1921. Serial No. 151,294. PUBLISHED OCTOBER 18, 1921.
- 151,937. BRAIDS, SHOE LACES, AND CORSET LACES. CHAS. P. SCHAEFFER, Reading, Pa.
Filed May 20, 1921. Serial No. 147,999. PUBLISHED NOVEMBER 1, 1921.
- 151,938. HONEY. ARTHUR JOSEPH SCHULTZ, Los Angeles, Calif.
Filed August 2, 1921. Serial No. 151,293. PUBLISHED NOVEMBER 1, 1921.
- 151,939. TOILET SOAP. ABRAHAM SCHWAB, Memphis, Tenn.
Filed August 8, 1921. Serial No. 151,564. PUBLISHED NOVEMBER 1, 1921.
- 151,940. TILLERS COMPRISING A PLOW AND A SOIL DISINTEGRATOR. SCIENTIFIC FARMING MACHINERY COMPANY, Minneapolis, Minn.
Filed April 1, 1921. Serial No. 145,595. PUBLISHED SEPTEMBER 27, 1921.
- 151,941. POULTRY FEED. SECURITY MILLS & FEED COMPANY, Knoxville, Tenn.
Filed May 24, 1921. Serial No. 148,171. PUBLISHED SEPTEMBER 20, 1921.
- 151,942. A CONTROLLING DEVICE FOR AUTOMOBILE SPOT LIGHTS. HOWARD J. SEGUR, Portland, Oreg.
Filed March 31, 1921. Serial No. 145,534. PUBLISHED OCTOBER 11, 1921.
- 151,943. KITCHEN CABINETS. G. I. SELLERS & SONS COMPANY, Elwood, Ill.
Filed July 16, 1921. Serial No. 150,474. PUBLISHED OCTOBER 18, 1921.
- 151,944. RUFFLINGS AND PLATINGS FOR NECKWEAR AND TRIMMINGS. G. SIDENBERG & Co., New York, N. Y.
Filed September 14, 1921. Serial No. 152,936. PUBLISHED NOVEMBER 8, 1921.
- 151,945. CANDY MINTS. THE SHELBY SUPPLY & MANUFACTURING COMPANY, Shelby, Ohio.
Filed June 17, 1921. Serial No. 149,298. PUBLISHED OCTOBER 11, 1921.

151,946. CERTAIN NAMED SOAPS AND LEATHER DRESSINGS, AND METAL POLISH. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.

Filed September 10, 1920. Serial No. 137,046. PUBLISHED NOVEMBER 8, 1921.

151,947. CANDY. THOMAS SHORTISS, Toronto, Ontario, Canada.

Filed February 10, 1921. Serial No. 143,411. PUBLISHED OCTOBER 4, 1921.

151,948. EYEWATER. EMORY EUGENE SLAUGHTER, Gloucester, Ohio.

Filed June 1, 1921. Serial No. 148,515. PUBLISHED OCTOBER 25, 1921.

151,949. CERTAIN NAMED OFFICE AND HOUSEHOLD FURNITURE. W. & J. SLOANE, New York, N. Y.

Filed August 30, 1921. Serial No. 152,387. PUBLISHED NOVEMBER 1, 1921.

151,950. FRESH CITRUS FRUITS, FRESH DECIDUOUS FRUITS, AND FRESH VEGETABLES, ALSO FRESH GRAPES. L. K. SMALL COMPANY, Los Angeles, Calif.

Filed May 9, 1921. Serial No. 147,475. PUBLISHED OCTOBER 4, 1921.

151,951. ROASTED COFFEE. THE SMILE COMPANY, Topeka, Kans.

Filed April 25, 1921. Serial No. 146,738. PUBLISHED OCTOBER 4, 1921.

151,952. A SUGAR PREPARATION FROM FRUIT ACID FOR MAKING SHERBET, ICES, CAKE FROSTING. THE SMILE CO., Minneapolis, Minn.

Filed March 2, 1920. Serial No. 129,153. PUBLISHED OCTOBER 18, 1921.

151,953. CANNED FISH—NAMELY, CANNED SALMON AND CANNED SARDINES. JOS. SOCOLOF CO., Brooklyn, N. Y.

Filed December 12, 1919. Serial No. 125,913. PUBLISHED OCTOBER 4, 1921.

151,954. PLAYING BALLS, TOYS, LEG GUARDS, WICKET AND GOAL KEEPERS' GLOVES. ALL MADE OF RUBBER SPONGE. SORBO RUBBER-SPONGE PRODUCTS LTD., Woking, England.

Filed September 23, 1920. Serial No. 137,553. PUBLISHED NOVEMBER 8, 1921.

151,955. OLIVE OIL. SOTOMAYOR, COMPANIA ANONIMA COMERCIAL, Cordova, Spain, and New York, N. Y.

Filed March 25, 1921. Serial No. 145,239. PUBLISHED JUNE 28, 1921.

151,956. SHOES MADE OF LEATHER, RUBBER, FABRIC, COMPOSITIONS, AND COMBINATIONS THEREOF. BENJAMIN I. JOHN STAM, Stoughton, Mass.

Filed April 11, 1921. Serial No. 146,038. PUBLISHED NOVEMBER 8, 1921.

151,957. VEHICLE WINDOW FRAMES. STEWART MANUFACTURING CORPORATION, Chicago, Ill.

Filed April 20, 1921. Serial No. 146,467. PUBLISHED OCTOBER 18, 1921.

151,958. A FURNITURE AND METAL CLEANING PREPARATION. FANNE STOVER, Whiting, Ind.

Filed May 19, 1921. Serial No. 147,943. PUBLISHED OCTOBER 18, 1921.

151,959. VEGETABLE OIL AND MAYONNAISE AND SALAD OIL OF WHICH COTTONSEED OIL FORMS A COMPONENT PART. STROHMEYER & ARPE COMPANY, New York, N. Y.

Filed April 16, 1921. Serial No. 146,276. PUBLISHED OCTOBER 4, 1921.

151,960. SWEATERS, JERSEYS, AND BASEBALL SUITS. A. G. SPALDING & BROS., New York, N. Y.

Filed May 5, 1921. Serial No. 147,261. PUBLISHED NOVEMBER 8, 1921.

151,961. A LINIMENT AND PREPARATION FOR CERTAIN USES. ELIZABETH B. SPENCER, Wilkes-Barre, Pa.

Filed June 6, 1921. Serial No. 148,769. PUBLISHED OCTOBER 25, 1921.

151,962. PNEUMATIC-TIRE CASINGS MADE PARTLY OF RUBBER. THE STAR RUBBER COMPANY, Akron, Ohio.

Filed June 25, 1918. Serial No. 111,801. PUBLISHED DECEMBER 7, 1920.

151,963. AWNINGS, TENTS, FLAGS, AND TARPAILINS. WILLIAM B. STARKLOFF, Baltimore, Md.

Filed July 16, 1921. Serial No. 150,490. PUBLISHED OCTOBER 11, 1921.

151,964. FRESH CITRUS FRUITS. SPENSE MINOR STEPHENS, Lakeland, Fla.

Filed May 28, 1921. Serial No. 148,404. PUBLISHED OCTOBER 11, 1921.

151,965. URN BAGS OR WOVEN TEA CONTAINERS AND CONNECTED SPOUT HOODS. GEO. H. STOCKMAN, Jr., Philadelphia, Pa.

Filed October 19, 1920. Serial No. 138,520. PUBLISHED OCTOBER 25, 1921.

151,966. MATTRESSES. THE SUGARLAND INDUSTRIES, Sugarland, Tex.

Filed August 26, 1921. Serial No. 152,220. PUBLISHED OCTOBER 18, 1921.

151,967. CANNED FRUITS, VEGETABLES, OYSTERS, VINEGAR, COFFEE, TEA, SPICE, EVAPORATED FRUITS, FRUIT JAMS, TABLE SIRUP. SUSSMAN WORMSER & CO., San Francisco, Calif.

Filed October 20, 1920. Serial No. 138,613. PUBLISHED SEPTEMBER 20, 1921.

151,968. SAUSAGE. SWIFT AND COMPANY, Chicago, Ill.

Filed June 3, 1920. Serial No. 133,233. PUBLISHED OCTOBER 4, 1921.

151,969. BUTTER, ICE CREAM, ICES, CHERRY BAR, CHOCOLATE-NOUGAT BAR, AND GOOBER ROLLS. THE SYLVESTER-NICHOLS COMPANY, Little Falls, Minn.

Filed April 24, 1917. Serial No. 103,271. PUBLISHED DECEMBER 7, 1920.

151,970. BREAD. TAGGART BAKING COMPANY, Indianapolis, Ind.

Filed June 6, 1921. Serial No. 148,773. PUBLISHED OCTOBER 4, 1921.

151,971. CERTAIN NAMED ADVERTISING MATTER. TEXTILE PUBLISHING COMPANY, New York, N. Y.

Filed April 20, 1921. Serial No. 146,469. PUBLISHED OCTOBER 11, 1921.

151,972. CHILDREN'S TEXTILE-FABRIC UNION SUITS AND CHILDREN'S ONE-PIECE AND TWO-PIECE PYJAMAS. TRANHOUSER & WEILLER, Baltimore, Md.

Filed May 7, 1921. Serial No. 147,379. PUBLISHED NOVEMBER 8, 1921.

151,973. CERTAIN NAMED SPORTING GOODS. THE THOMSON-DIGGS COMPANY, Sacramento, Calif.

Filed May 24, 1921. Serial No. 148,176. PUBLISHED NOVEMBER 8, 1921.

151,974. PIANO BENCHES. TONK MANUFACTURING CO., Chicago, Ill.

Filed January 3, 1921. Serial No. 141,814. PUBLISHED OCTOBER 18, 1921.

151,975. MOTOR-VEHICLE AXLES AND GEAR-CASING CONSTRUCTIONS THEREFOR. THE TORBENSEN AXLE COMPANY, Cleveland, Ohio.

Filed June 27, 1921. Serial No. 149,724. PUBLISHED OCTOBER 4, 1921.

151,976. NEWSPAPER ARTICLES. THE TRIBUNE COMPANY, Chicago, Ill.

Filed April 30, 1921. Serial No. 147,056. PUBLISHED OCTOBER 18, 1921.

151,977. NEWSPAPER ARTICLES. THE TRIBUNE COMPANY, Chicago, Ill.

Filed April 30, 1921. Serial No. 147,060. PUBLISHED OCTOBER 18, 1921.

151,978. A SERIES OF CARTOONS. THE TRIBUNE COMPANY, Chicago, Ill.

Filed April 30, 1921. Serial No. 147,062. PUBLISHED OCTOBER 18, 1921.

- 151,979. A SERIES OF CARTOONS. THE TRIBUNE COMPANY, Chicago, Ill.
Filed April 30, 1921. Serial No. 147,063. PUBLISHED OCTOBER 18, 1921.
- 151,980. A FOLDING CRIB FOR CHILDREN. EDWARD MAURICE TRIMBLE, Rochester, N. Y.
Filed July 15, 1921. Serial No. 150,412. PUBLISHED OCTOBER 18, 1921.
- 151,981. CERTAIN NAMED RUBBER TOYS. THE TOY-CRAFT RUBBER Co., Ashland, Ohio.
Filed December 23, 1920. Serial No. 141,475. PUBLISHED NOVEMBER 8, 1921.
- 151,982. MEDICINAL PREPARATIONS IN LIQUID FORM—NAMESLY, COUGH SIRUP, BABY SIRUP, AND DIARRHŒA CURATIVE. TRUST ESTATE OF ADOLPH C. MEYER, DECEASED, Baltimore, Md.
Filed March 3, 1921. Serial No. 144,293. PUBLISHED OCTOBER 25, 1921.
- 151,983. CANDIES. LAWRENCE M. TULEY, Oakland, Calif.
Filed August 18, 1920. Serial No. 136,242. PUBLISHED OCTOBER 4, 1921.
- 151,984. PRINTING INKS. SIGMUND ULLMAN COMPANY, New York, N. Y.
Filed March 2, 1921. Serial No. 144,261. PUBLISHED NOVEMBER 1, 1921.
- 151,985. CANDY, CAKE, BREAD, AND PASTRY. UNITED CANDY & PASTRY COMPANY, Washington, D. C.
Filed May 13, 1921. Serial No. 147,694. PUBLISHED OCTOBER 18, 1921.
- 151,986. PLAYING CARDS. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio.
Filed July 8, 1921. Serial No. 150,161. PUBLISHED OCTOBER 11, 1921.
- 151,987. RUBBER TIRES. UNITED STATES TIRE COMPANY, New York, N. Y.
Filed June 20, 1921. Serial No. 149,431. PUBLISHED OCTOBER 18, 1921.
- 151,988. LAUNDRY AND TOILET SOAP, SOAP POWDER, SAPONACEOUS FLAKES, AND WASHING CRYSTALS. UNITED TURKEY RED COMPANY LIMITED, Glasgow, Scotland.
Filed March 7, 1921. Serial No. 144,439. PUBLISHED OCTOBER 4, 1921.
- 151,989. EYE MEDICINE. STEPHEN URBAN, Cleveland, Ohio.
Filed April 26, 1920. Serial No. 131,678. PUBLISHED OCTOBER 25, 1921.
- 151,990. KNITTED AND WOVEN UNION SUITS, VESTS, AND DRAWERS. VASSAR SWISS UNDERWEAR CO., Chicago, Ill.
Filed November 5, 1917. Serial No. 107,186. PUBLISHED NOVEMBER 1, 1921.
- 151,991. TOYS, AND PARTICULARLY TOY FIGURES WHITTLED OUT OF WOOD AND THE LIKE. KING W. VIDOR, Los Angeles, Calif.
Filed April 26, 1920. Serial No. 131,679. PUBLISHED NOVEMBER 8, 1921.
- 151,992. COFFEE. VINSON COFFEE CO., Jackson, Tenn.
Filed June 22, 1921. Serial No. 149,531. PUBLISHED SEPTEMBER 20, 1921.
- 151,993. WATCHES AND PARTS OF WATCHES. VITTORI & Co. DOLMY WATCH CO., La Chaux-de-Fonds, Switzerland.
Filed August 4, 1921. Serial No. 151,441. PUBLISHED OCTOBER 18, 1921.
- 151,994. CANNED CHILE CON CARNE AND CANNED HOT TAMALES. WALKER PROPERTIES ASSOCIATION, Austin, Tex.
Filed May 28, 1921. Serial No. 148,416. PUBLISHED OCTOBER 4, 1921.
- 151,995. CERTAIN ARTICLES OF CLOTHING. WALKER STETSON COMPANY, Boston, Mass.
Filed March 25, 1921. Serial No. 145,248. PUBLISHED NOVEMBER 8, 1921.
- 151,996. WHEAT FLOUR. THE WALLACE MILLING COMPANY, Dale, Ind.
Filed April 30, 1921. Serial No. 147,068. PUBLISHED SEPTEMBER 20, 1921.
- 151,997. A WEEKLY PUBLICATION. WILLIAM M. WALSH, New York, N. Y.
Filed November 2, 1920. Serial No. 139,103. PUBLISHED NOVEMBER 8, 1921.
- 151,998. CERTAIN ARTICLES OF CLOTHING. JOHN WANAMAKER, New York, New York, N. Y.
Filed July 29, 1920. Serial No. 135,586. PUBLISHED OCTOBER 4, 1921.
- 151,999. CAKE. WARD BAKING COMPANY, New York, N. Y.
Filed April 2, 1921. Serial No. 145,663. PUBLISHED SEPTEMBER 27, 1921.
- 152,000. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed June 3, 1921. Serial No. 148,635. PUBLISHED OCTOBER 4, 1921.
- 152,001. WHEAT FLOUR. THE WEBER FLOUR MILLS CORPORATION, Salina, Kans.
Filed May 2, 1921. Serial No. 147,143. PUBLISHED OCTOBER 4, 1921.
- 152,002. BOX MATTRESSES, COTTON-TOP MATTRESSES, HAIR MATTRESSES, COTTON-FELT MATTRESSES, PILLOWS. HERMAN WESSEL, Cincinnati, Ohio.
Filed February 18, 1921. Serial No. 143,800. PUBLISHED NOVEMBER 8, 1921.
- 152,003. LIQUID, LAUNDRY, AND GRIT SOAP. WESTERN SOAP COMPANY, Spokane, Wash.
Filed August 9, 1921. Serial No. 151,601. PUBLISHED OCTOBER 4, 1921.
- 152,004. FRESH DEODOROUS FRUITS AND FRESH VEGETABLES. WESTFALL-LANE COMPANY, Turlock, Calif.
Filed July 31, 1920. Serial No. 135,679. PUBLISHED NOVEMBER 9, 1920.
- 152,005. A MATRIX OR DRY MAT USED IN STEREOTYPING AND ELECTROPLATING. W. B. WHEELER, CORPORATION, New York, N. Y.
Filed June 21, 1921. Serial No. 149,495. PUBLISHED OCTOBER 11, 1921.
- 152,006. A DRESSING FOR SHOES AND OTHER ARTICLES MADE OF LEATHER. WHITTEMORE BROTHERS CORPORATION, Cambridge, Mass.
Filed March 5, 1921. Serial No. 144,368. PUBLISHED NOVEMBER 1, 1921.
- 152,007. A SOLUTION FOR ALL MAKES OF LEAD-PLATE BATTERIES. WHY-SOL BATTERY SOLUTION COMPANY, Cincinnati, Ohio.
Filed July 13, 1921. Serial No. 150,339. PUBLISHED OCTOBER 18, 1921.
- 152,008. A PREPARATION FOR EYE BROWS AND LASHES. ARTHUR T. WILSON, Chicago, Ill.
Filed May 14, 1921. Serial No. 147,753. PUBLISHED OCTOBER 25, 1921.
- 152,009. AUTOMOBILES, MOTOR TRUCKS. THE WINTON COMPANY, Cleveland, Ohio.
Filed November 10, 1920. Serial No. 139,488. PUBLISHED SEPTEMBER 20, 1921.
- 152,010. A BLOOD AND LIVER TONIC. A. B. WOODWARD MEDICINE COMPANY, Marlin, Tex.
Filed August 4, 1921. Serial No. 151,442. PUBLISHED OCTOBER 18, 1921.
- 152,011. LARD SUBSTITUTE CONSISTING OF COTTONSEED OIL AND OTHER INGREDIENTS. OLIVER WINNE, Norfolk, Va.
Filed March 1, 1921. Serial No. 144,212. PUBLISHED OCTOBER 11, 1921.
- 152,012. COFFEE. YOUNG & GRIFFIN COFFEE CO., INC., New York, N. Y.
Filed May 27, 1921. Serial No. 148,359. PUBLISHED OCTOBER 4, 1921.

152,013. CANDIES. GEORGE ZIEGLER Co., Milwaukee, Wis.

Filed June 29, 1921. Serial No. 149,844. PUBLISHED SEPTEMBER 20, 1921.

152,014. A MEDICINAL TABLET FOR PREVENTION OF ATTACKS OF EPILEPSY. J. FREDERICK L. ZINGRE, St. Louis, Mo.

Filed July 15, 1921. Serial No. 150,423. PUBLISHED OCTOBER 18, 1921.

152,015. WATERPROOFING COMPOSITION FOR WATERPROOFING LEATHER, CLOTH, OR WOOD. JOHN ZOLTOWSKI, Milwaukee, Wis.

Filed April 13, 1921. Serial No. 146,154. PUBLISHED OCTOBER 4, 1921.

152,016. ELECTRIC OMNIBUSES OR PASSENGER VEHICLES. ATLAS TRUCK CORPORATION, York, Pa.

Filed July 14, 1921. Serial No. 150,343. PUBLISHED OCTOBER 4, 1921.

152,017. MAGAZINES PUBLISHED MONTHLY. BERT E. BARNES, Brooklyn, N. Y.

Filed July 23, 1921. Serial No. 150,843. PUBLISHED OCTOBER 18, 1921.

152,018. A PERIODICAL PUBLISHED MONTHLY. CHARLES S. BERRIMAN, New York, N. Y.

Filed August 29, 1921. Serial No. 152,306. PUBLISHED NOVEMBER 8, 1921.

152,019. DOLLS. ARTHUR BLACK, Toledo, Ohio.

Filed September 7, 1921. Serial No. 152,669. PUBLISHED NOVEMBER 8, 1921.

152,020. GUMMED PHOTOGRAPHS FOR ADVERTISING PURPOSES. BRASSINGTON PHOTO SYSTEM INC., Chicago, Ill.

Filed July 29, 1921. Serial No. 151,077. PUBLISHED NOVEMBER 8, 1921.

152,021. A PUBLICATION ISSUED MONTHLY. CENTRAL BOND & MORTGAGE Co., Chicago, Ill.

Filed July 18, 1921. Serial No. 150,511. PUBLISHED OCTOBER 11, 1921.

152,022. CARD ART NOVELTIES IN THE FORM OF PRINTED OR HAND-TINTED CUT-OUT FIGURES. THE CINCINNATI ART PUBLISHING COMPANY, Cincinnati, Ohio.

Filed July 11, 1921. Serial No. 150,222. PUBLISHED NOVEMBER 1, 1921.

152,023. BRUSHES FOR PHONOGRAPH RECORDS. COLUMBIA GRAPHOPHONE MANUFACTURING COMPANY, New York, N. Y.

Filed September 3, 1921. Serial No. 152,540. PUBLISHED NOVEMBER 8, 1921.

152,024. GOLF BALLS. THE DUNLOP RUBBER Co. LTD., Aston Cross, Birmingham, England.

Filed August 17, 1921. Serial No. 151,870. PUBLISHED NOVEMBER 1, 1921.

152,025. A MONTHLY MAGAZINE. EASTMAN KODAK COMPANY, Rochester, N. Y.

Filed September 6, 1921. Serial No. 152,608. PUBLISHED NOVEMBER 8, 1921.

152,026. AN ANNUAL PERIODICAL. FIELD & STREAM PUBLISHING COMPANY, New York, N. Y.

Filed July 29, 1921. Serial No. 151,080. PUBLISHED OCTOBER 11, 1921.

152,027. LEATHER SHOES. HOERR-ADAM SHOE COMPANY, Belleville, Ill.

Filed May 16, 1921. Serial No. 147,783. PUBLISHED NOVEMBER 8, 1921.

152,028. LEATHER. HUDSON LEATHER COMPANY, Albany, N. Y.

Filed July 6, 1921. Serial No. 150,068. PUBLISHED OCTOBER 11, 1921.

152,029. PERIODICALS ISSUED MONTHLY, BULLETINS, AND CIRCULARS. INTERNATIONAL ASSOCIATION OF LIONS CLUBS, Chicago, Ill.

Filed July 13, 1921. Serial No. 150,316. PUBLISHED OCTOBER 18, 1921.

152,030. A MONTHLY PERIODICAL. INTERNATIONAL ASSOCIATION OF LIONS CLUBS, Chicago, Ill.

Filed July 18, 1921. Serial No. 150,534. PUBLISHED OCTOBER 18, 1921.

152,031. CONDENSED MILK. JUAN & McCORMACK, New York, N. Y.

Filed July 12, 1921. Serial No. 150,273. PUBLISHED NOVEMBER 1, 1921.

152,032. A NONALCOHOLIC, NONCEREAL MALTLESS BEVERAGE SOLD AS SOFT DRINKS, AND SIRUPS FOR MAKING THE SAME. KEEN KOLA MANUFACTURING COMPANY, Dallas, Tex.

Filed September 2, 1921. Serial No. 152,506. PUBLISHED NOVEMBER 8, 1921.

152,033. BROOMS. LEE BROOM & DUSTER COMPANY, Lincoln, Nebr.

Filed August 26, 1921. Serial No. 152,209. PUBLISHED NOVEMBER 8, 1921.

152,034. PRINTED BOOKS, INCLUDING MAPS, PUBLISHED FROM TIME TO TIME. CHARLES STANTON LOEBER, San Francisco, Calif.

Filed July 18, 1921. Serial No. 150,548. PUBLISHED NOVEMBER 1, 1921.

152,035. PLAYING CARDS. GEORGE L. MCCARTHY, New York, N. Y.

Filed September 1, 1921. Serial No. 152,473. PUBLISHED NOVEMBER 8, 1921.

152,036. AN INTER-OFFICE ORGAN AND ADVERTISING MAGAZINE ISSUED MONTHLY THROUGHOUT THE YEAR. MONROE CALCULATING MACHINE COMPANY, New York, N. Y.

Filed July 22, 1921. Serial No. 150,819. PUBLISHED NOVEMBER 8, 1921.

152,037. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. GEORGE VAN HORN MOSELEY, San Antonio, Tex.

Filed July 2, 1921. Serial No. 149,971. PUBLISHED NOVEMBER 8, 1921.

152,038. UNFERMENTED GRAPE JUICE AND UNFERMENTED JUICE OF OTHER FRUITS. RAFAEL ESCOFET Y HAAG, Tarragona, Spain.

Filed September 19, 1921. Serial No. 153,082. PUBLISHED NOVEMBER 8, 1921.

152,039. NONALCOHOLIC, MALTLESS BEVERAGE SIMILAR TO SODA WATER SOLD AS A SOFT DRINK. RIVER NILE COMPANY, San Francisco, Calif.

Filed August 8, 1921. Serial No. 151,562. PUBLISHED NOVEMBER 8, 1921.

152,040. A SERIES OF BULLETINS ISSUED FROM TIME TO TIME. LOYAL DEXTER ROGERS, Chicago, Ill.

Filed July 5, 1921. Serial No. 150,031. PUBLISHED OCTOBER 11, 1921.

152,041. PUBLICATIONS OR SCIENTIFIC NEWS BULLETINS PUBLISHED OR ISSUED PERIODICALLY. SCIENCE SERVICE, INCORPORATED, Wilmington, Del., and Washington, D. C.

Filed September 9, 1921. Serial No. 152,771. PUBLISHED NOVEMBER 8, 1921.

152,042. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK, AND SIRUP FOR MAKING THE SAME. ROBERT J. SHINE, Hagerstown, Md.

Filed September 2, 1921. Serial No. 152,520. PUBLISHED NOVEMBER 8, 1921.

152,043. PRINTED COPIES OF MUSICAL COMPOSITIONS. UNITED PHONOGRAPH STORES INC., New York, N. Y.

Filed July 21, 1921. Serial No. 150,786. PUBLISHED OCTOBER 11, 1921.

152,044. A MAGAZINE PUBLISHED MONTHLY. GEORGE F. WEEKS, Washington, D. C.

Filed August 24, 1921. Serial No. 152,150. PUBLISHED NOVEMBER 8, 1921.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

FEBRUARY 14, 1922.

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

152,045. (CLASS 7. CORDAGE.) AMERICAN MANUFACTURING COMPANY, Boston, Mass., and Brooklyn, N. Y. Filed Mar. 20, 1920. Serial No. 129,964.

The logo for Lennox features the brand name in a stylized, decorative serif font. The letters are bold and interconnected, with ornate flourishes at the beginning and end of the word.

Particular description of goods.—Rope, Cord, and Twine, Manufactured from Vegetable Fiber.
Claims use since Jan. 1, 1900.

152,046. (CLASS 39. CLOTHING.) ANNETTE EFROS SIMPSON, New York, N. Y. Filed Mar. 5, 1921. Serial No. 144,356.

Original Model created by Annette Efros

Particular description of goods.—Ladies' Wearing Apparel—viz., Dresses, Gowns, and Costumes and Hats.
Claims use since July 1, 1916.

152,047. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. AUERBACH & SONS, New York, N. Y. Filed June 18, 1921. Serial No. 149,313.

CHOCOLATE HEADQUARTERS

Particular description of goods.—Chocolates.
Claims use since Jan. 1, 1914.

152,048. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE AUTOMATIC ELECTRICAL DEVICES COMPANY, Cincinnati, Ohio. Filed Nov. 26, 1919. Serial No. 125,313.

The logo for UNIPANEL features the brand name in a large, bold, sans-serif font. The letters are closely spaced and have a slightly three-dimensional appearance.

Particular description of goods.—Electrical Switchboards.
Claims use since May 1, 1919.

152,049. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) JOHN PHILLIPS BADENHAUSEN, Philadelphia, Pa. Filed Nov. 25, 1921. Serial No. 155,947.

The logo for Phillips Badenhause features the brand name in a stylized, cursive script font. The letters are elegant and flowing, with a classic, old-fashioned feel.

Particular description of goods.—Steam Boilers.
Claims use since on or about Aug. 1, 1920.

152,050. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE BRIDGEPORT COACH LACE CO., Bridgeport, Conn. Filed May 14, 1921. Serial No. 147,706.



Particular description of goods.—Rubberized Top Fabric.
Claims use since Dec. 1, 1920.

152,051. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BROADWAY BARGAIN HOUSE, New York, N. Y. Filed Aug. 13, 1920. Serial No. 136,063.

BROADWAY BARGAIN HOUSE

Particular description of goods.—Linen Piece Goods, Bed Sheets, Pillowcases, Tablecloths, Napkins, Dollies; Woolen Piece Goods; Cotton Piece Goods, Table Tops or Cloths, Towels, Centerpieces, Washrags, Handkerchiefs; Silk Piece Goods, Velvet Piece Goods, Blankets, Comforts, Textile Rugs, Textile Carpets, Hair Nets, Veilings, Portières, Window-Shade Cloth, Lace, Ribbons, Percales, Textile Linings, Canvas, Calicoes, Crêpe Cloth, Chiffon, Serge, Cheviots, Gingham, Chambrays in the Piece, and Lace Curtains.

Claims use since June 27, 1919.

152,052. (CLASS 4. ABRASIVE DETERGENT, AND POLISHING MATERIALS.) THE L. D. CAULK COMPANY, Milford, Del. Filed Aug. 10, 1921. Serial No. 151,610.

CAULK

Particular description of goods.—Marble Dust for Use as an Abrasive, Dental Polish for Use by Dentists in Polishing Teeth and in Polishing Porcelain Tooth Fillings, Gold and Amalgam, and Pumice.

Claims use on dental polish since April, 1918, and on pumice and marble dust since June, 1898.

152,053. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NATHAN B. COHEN, Scranton, Pa. Filed Jan. 20, 1921. Serial No. 142,470.

"NOTAIR"

Particular description of goods.—Hair Nets.

Claims use since Nov. 15, 1920.

152,054. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COOPER, COATE AND CASEY DRY GOODS CO., Los Angeles, Calif. Filed Nov. 8, 1921. Serial No. 155,159.



Particular description of goods.—Blue Chambray Cheviot, Used as a Shirting Material.

Claims use since 1907.

152,055. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. CUSHING CO., Fitchburg, Mass. Filed Apr. 19, 1920. Serial No. 131,307.

MEDAL

Particular description of goods.—Wheat Feed, Stock Feed, Balanced Ration.

Claims use since Jan. 23, 1920.

152,056. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JULES DELPECH, Oakland, Calif. Filed Dec. 21, 1920. Serial No. 141,861.



Particular description of goods.—Mustard, French Dressing, Mayonnaisse, Meat Sauce, Salad Oil, Tartar and Crab Louis Sauces.

Claims use since Nov. 1, 1920.

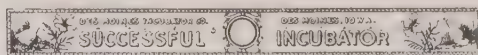
152,057. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DENNY, HILBORN & ROSENBACH, Philadelphia, Pa. Filed Oct. 29, 1921. Serial No. 154,729.

LENOX

Particular description of goods.—Bronze Liquids, Colors Mixed in Varnish, Paint Enamels, and Ready-Mixed Decorative and Preservative Paints.

Claims use since about May 7, 1907.

152,058. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) DES MOINES INCUBATOR COMPANY, Des Moines, Iowa. Filed June 11, 1921. Serial No. 148,978.



Particular description of goods.—Grain Sprouters, Metal Nests, Drinking Fountains, and Feed Hoppers.

Claims use since 1896.

152,059. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) DETROIT STEEL PRODUCTS COMPANY, Detroit, Mich. Filed Sept. 30, 1921. Serial No. 153,544.

Detroit

Particular description of goods.—Vehicle Springs.

Claims use since Jan. 1, 1914.

- 152,060. (CLASS 2. RECEPTACLES.) WALTER H. DEUBENER, St. Paul, Minn. Filed Mar. 24, 1921. Serial No. 145,155.



Particular description of goods.—Shopping Bags.
Claims use since Nov. 15, 1918.

- 152,061. (CLASS 2. RECEPTACLES.) WALTER H. DEUBENER, St. Paul, Minn. Filed Mar. 24, 1921. Serial No. 145,156.



Particular description of goods.—Shopping Bags.
Claims use since Nov. 15, 1918.

- 152,062. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DURHAM COTTON MFG. CO., East Durham, N. C. Filed Oct. 6, 1921. Serial No. 153,798.



Glasgow

Particular description of goods.—Ginghams in the Piece.
Claims use since early part of 1898.

- 152,063. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOSEPH FLEISCHER, New York, N. Y. Filed Feb. 18, 1921. Serial No. 143,751.

NETANVEIL

Particular description of goods.—Face and Hair Nets.
Claims use since Oct. 8, 1920.

- 152,064. (CLASS 5. ADHESIVES.) THE FISK RUBBER COMPANY, Chicopee Falls, Mass. Filed Sept. 27, 1919. Serial No. 123,205.

FILLACUT

Particular description of goods.—Tire Repair Material for Rubber Tires, Such as Tire Dough.
Claims use since Dec. 9, 1909.

- 152,065. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JOHN E. FOWLER, Rosslyn, Va. Filed Mar. 30, 1921. Serial No. 145,442.



Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since April, 1909.

- 152,066. (CLASS 12. CONSTRUCTION MATERIALS.) GALDO DULZAIDES Y COMPANIA, Cardenas, Cuba. Filed Aug. 23, 1920. Serial No. 136,371.



PENNSYLVANIA

Particular description of goods.—Roofing Paper in Rolls.
Claims use since April, 1919.

- 152,067. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) L. M. GARRITY & Co., INC., Boston, Mass. Filed July 8, 1921. Serial No. 150,143.

Garrity's

Particular description of goods.—Hair Wavers, Hair Ornaments of Shell and Celluloid, Combs of Shell and Celluloid, and Binders and Hair Puffs.
Claims use since July 1, 1915.

152,068. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GENERAL TIRE & RUBBER Co., Akron, Ohio. Filed Sept. 30, 1921. Serial No. 153,548.

THE GENERAL TIRE & RUBBER CO.

Particular description of goods.—Rubber Vehicle and Motor-Cycle Tires, Tire Casings of Rubber, Inner Tubes, Blow-Out Patches, Reliners, Tire Repair Fabrics and Tire Repair Gums.

Claims use since May, 1916.

152,069. (CLASS 39. CLOTHING.) GRAHAM-BUMGARDNER COMPANY, Parkersburg, W. Va. Filed July 23, 1920. Serial No. 135,324.

Graham

Particular description of goods.—Shoes Made Wholly or in Part of Leather.

Claims use since 1906.

152,070. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARROW-TAYLOR BUTTER Co., Kansas City, Mo. Filed Nov. 26, 1920. Serial No. 140,180.

BEST-ALL

Particular description of goods.—Oleomargarine.

Claims use since Oct. 1, 1920.

152,071. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIRSCH BROS. & Co. INC., Louisville, Ky. Filed Sept. 3, 1921. Serial No. 152,559.

Hirsch's
GOODIES

Particular description of goods.—Chowchow, Pickles, Catsup, Salad Dressing, Chilli Sauce, Mustard.

Claims use since 1906.

152,072. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLEMENT J. HOOD, Commerce, Ga. Filed Aug. 13, 1921. Serial No. 151,762.

HOODS
PEACHES

Consisting of the words "Hood's Peaches."

Particular description of goods.—Fresh Peaches.

Claims use since 1905.

152,073. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. V. T. SCHILL Co., New York, N. Y. Filed Sept. 1, 1921. Serial No. 152,483.

DOESKIN

Particular description of goods.—Cotton, Silk, Wool, Linen, and Mixed Cloth Piece Goods.

Claims use since May, 1911.

152,074. (CLASS 39. CLOTHING.) OSCAR SCHMIED, New York, N. Y. Filed Apr. 5, 1921. Serial No. 145,755.



Particular description of goods.—Hosiery.
Claims use since 1910.

152,075. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHINSAKU NAGANO, Chicago, Ill. Filed Apr. 22, 1921. Serial No. 146,577.



The picture shown therein being fanciful.
Particular description of goods.—Molasses.
Claims use since Dec. 1, 1911.

152,076. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. B. SKINNER, Dunedin, Fla. Filed May 28, 1921. Serial No. 148,401.

DUNEDIN

Particular description of goods.—Fresh Citrus Fruits.
Claims use since 1903.

152,077. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ST. ALBANS GRAIN COMPANY, St. Albans, Vt. Filed June 8, 1920. Serial No. 133,442.

HYGRADE

Particular description of goods.—Poultry Feeds Such as Mash Feed, Liuseed Meal, Kafir Corn, Cottonseed Meal, Flour Middlings, Balanced Ration, Milo Maize, Scratch Feed, Molasses Horse Feed, Molasses Dairy Feed, Pig Feed, Alfalfa Meal, Calf Meal, Corn Meal, Hog Feed, Growing Feed, Baby-Chick Food, Stock Feed, Wheat Feed and Wheat Bran, and Gritless Intermediate Chick Food, Mixed Feed.

Claims use since October, 1903.

152,078. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY, San Francisco, Calif. Filed July 22, 1921. Serial No. 150,831.



Particular description of goods.—Heating and Illuminating Oils—Namely, Petroleum Illuminating Oil, Oil, Coal Oil, and Kerosene.

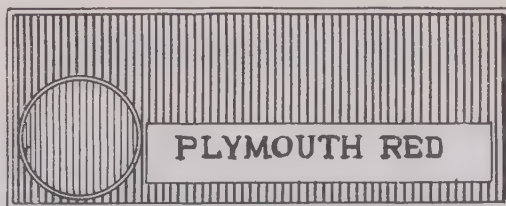
Claims use since Jan. 3, 1919.

152,079. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STUART CONFECTIONS CO., Chicago, Ill. Filed Nov. 6, 1920. Serial No. 139,320.

Mary Stuart

Particular description of goods.—Candy.
Claims use since Oct. 27, 1920.

152,080. (CLASS 11. INKS AND INKING MATERIALS.) SIGMUND ULLMAN COMPANY, New York, N. Y. Filed Mar. 2, 1921. Serial No. 144,262.



The drawing is lined to indicate red.

Particular description of goods.—Printing Inks.
Claims use since about Sept. 13, 1919.

- 152,087. (CLASS 39. CLOTHING.) KALAMAZOO CORSET COMPANY, Kalamazoo, Mich. Filed Mar. 5, 1921. Serial No. 144,336.

Graceful Stout

Particular description of goods.—Corsets.
Claims use since Oct. 7, 1920.

- 152,088. (CLASS 39. CLOTHING.) KATZ & DAVIDSON, New York, N. Y. Filed Feb. 5, 1921. Serial No. 143,213.

Colemanfield

Particular description of goods.—Outer Shirts.
Claims use since May 15, 1916.

- 152,089. (CLASS 42. KNITTED, NETTED AND TEXTILE FABRICS.) ADOLPH KLAR, New York, N. Y. Filed July 22, 1921. Serial No. 150,815.



Particular description of goods.—Hair Nets.
Claims use since about Jan. 1, 1920.

- 152,090. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LARKIN Co., Inc., Buffalo, N. Y. Filed Apr. 21, 1921. Serial No. 146,489.



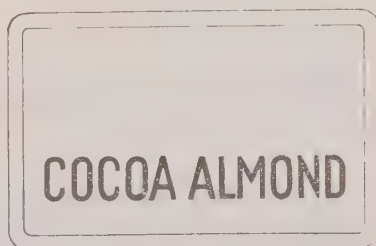
LARKIN

Particular description of goods.—Dyes Combined with Soap, Water-Softener Comp., Powdered Borax, Ammonia,
295 O. G.—30

Ammonia Water, Violet Ammonia, Bluing, Black Shoe Dye, Cold Cream, Bath Powder, Eau de Cologne, Face Powder, Talcum, Laundry Starch, Ironing Wax, Perfume, Vanishing Cream, Toilet Water, Satchet, Incense Powder, Sachet Powder, Liquid Tar Shampoo, Dentifrices, Chemical Cuticle Remover, Nail White, Nail Enamel, Orris Root, Nail Bleach, Complexion Cream, Massage Cream, Witch-Hazel Cream, Almond-Cream Lotion, Gloss Starch, Rose Water and Glycerine, Skin Balm, Rice Powder, Vanity-Box Rouge, Foot Powder, Deodorant Toilet Powder, Almond Meal, Camphor Ice, Cocoa Butter Used as a Toilet Preparation, Deodorizing Cerate, Bay Rum, Quinine Hair Tonic, Brilliantine, Egg Shampoo, Smelling Salts, Bath Crystals, Benzoin, Sea Salt, Adhesive Plaster, Deodorant, Liquid Dentifrices: Pharmacal Preparations; Blood and Nerve Tonic, Essences for Perfumes and Medicinal Purposes, Aromatic Spirit of Ammonia, Headache Cologne, Spirit of Camphor, Epsom Salt, Laxative Sirup, Glycerine, Soda-Mint Tablets, Charcoal Tablets, Balm Analgesic, Comp. Licorice Powder, Castor Oil, Sweet Spirit of Niter, Digestion Tablets, Menthol Pencils, Herb Tea, Laxative Tablets, Sweet Oil, Powdered Boric Acid, Cough Tablets, Chlorate-of-Potash Tablets, Throat Gargle, Eye Lotion, Earache Drops, Mange Remedy, Witch-Hazel, Cough Sirup, Toothache Drops, Toothache Wax, Belladonna and Capsicum Plaster, Liquid Petrolatum, Liver Salts, Antiseptic Solution, Glycerin-Thymol Dental Antiseptic, Hydrogen Peroxide, Cresol Disinfectant, Alcohol Iodine, Healing Ointment, Styptic Pencil, Court Plaster, Liquid Plaster, Surgical Antiseptic Powder, Stearate of Zinc, Menthol-Camphor Ointment, Anodyne Liniment, Camphorated Oil, Tincture of Arnica, Nose Oil Spray, Corn Salve, Corn Plasters, Petroleum Jelly, Camphorated Petroleum Jelly, Carbonated Petroleum Jelly, Mentholated Petroleum Jelly.

Claims use since Jan. 1, 1906.

- 152,091. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LOS ANGELES SOAP CO., Los Angeles, Calif. Filed Sept. 20, 1921. Serial No. 153,147.



Particular description of goods.—Soap.
Claims use since Feb. 23, 1915.

- 152,092. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) LUDLUM STEEL COMPANY, Watervliet, N. Y. Filed Dec. 15, 1920. Serial No. 141,120.

UTICA

Particular description of goods. Tool Steel, Alloy Steel, and Alloy Tool Steel.
Claims use since Sept. 1, 1919.

152,093. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) LUDLUM STEEL COMPANY, Watervliet, N. Y. Filed Dec. 15, 1920. Serial No. 141,123.

HURON

Particular description of goods.—Alloy Steel, Punch and Die Steel, and Alloy Punch and Die Steel.
Claims use since Oct. 2, 1913.

152,094. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MAGNESIA COMPANY, Lynchburg, Va. Filed Mar. 22, 1921. Serial No. 145,075.

SACCHARATED MAGNESIA

Particular description of goods.—Antacid and Aperient.
Claims use since Dec. 15, 1920.

152,095. (CLASS 46. FOODS AND INGREDIENTS OF FOODS) THE ROBT. F. MACKENZIE Co., Cleveland, Ohio. Filed Aug. 27, 1921. Serial No. 152,270.



Particular description of goods.—Bar Candy.
Claims use since July, 1905.

152,096. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) MANSFIELD PIANO Co., New York, N. Y. Filed Oct. 13, 1921. Serial No. 154,061.

CONCERTONE

Particular description of goods.—Pianos and Player Pianos.
Claims use since February, 1912.

152,097. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK J. MARECKI, Baltimore, Md. Filed Sept. 28, 1921. Serial No. 153,465.

MARECKI'S BALSAM FOR LUNGS

Particular description of goods.—A Medicinal Preparation for Coughs, Hoarseness, Bronchial Cough, Spasmodic Croup, and Cough in Influenza.
Claims use since July, 1920.

152,098. (CLASS 39. CLOTHING.) NATH'L FISHER & Co., New York, N. Y. Filed Mar. 23, 1921. Serial No. 145,116.

SERVE WELL

Particular description of goods.—Boots, Shoes, and Slippers of Leather, Rubber, or Textile Materials or Soles Therefor.

Claims use since September, 1919.

152,099. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS NOT INCLUDING ELECTRICAL APPARATUS.) THE NATIONAL OVEN COMPANY, Beacon, N. Y. Filed July 9, 1921. Serial No. 150,198.

RACK-OVEN

Particular description of goods.—Bakers' Ovens.
Claims use since Oct. 1, 1913.

152,100. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE NEEDHAM PRODUCTS Co., Cleveland, Ohio. Filed Aug. 30, 1921. Serial No. 152,378.

NEEDHAM'S

Particular description of goods.—Spray to be Used for the Relief of Hay Fever.
Claims use since July 20, 1918.

152,101. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAROLD OHRT, Detroit, Mich. Filed Apr. 8, 1920. Serial No. 130,845.

DAY'S HAIR-TONE TONIC

Particular description of goods.—Hair Tonic.
Claims use since Mar. 23, 1920.

- 152,102. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLD FASHIONED MILLERS, INC., St. Paul, Minn. Filed Mar. 23, 1921. Serial No. 145,120.



Particular description of goods.—Bread.
Claims use since about January, 1910.

- 152,103. (CLASS 39. CLOTHING.) PATSY FROK & ROMPER COMPANY, Los Angeles, Calif. Filed Mar. 17, 1921. Serial No. 144,872.

PANTY DRESS

Particular description of goods.—Child's Frock.
Claims use since January, 1919.

- 152,104. (CLASS 43. THREAD AND YARN.) FRANK F. PELS COMPANY OF NEW YORK, INC., New York, N. Y. Filed Oct. 28, 1921. Serial No. 154,702.



Particular description of goods.—Cotton Yarn, Artificial-Silk Yarn, Twist Floss, Thrown Silk, and Silk Yarn.

Claims use since Apr. 1, 1919.

- 152,105. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PENICK & FORD LTD. INC., New Orleans, La. Filed Apr. 18, 1921. Serial No. 146,330.

DOUGLAS

Particular description of goods.—Corn-Gluten Feed, and Corn-Oil-Cake Meal.

Claims use since Jan. 1, 1913.

- 152,106. (CLASS 32. FURNITURE AND UPHOLSTERY.) PLIMPTON SCOFIELD COMPANY, Boston, Mass. Filed Sept. 8, 1921. Serial No. 152,715.

CORRECTIVE POSTURE CHAIR PLIMPTON SCOFIELD CO. COLLEGE FURNITURE BOSTON, MASS.

Particular description of goods.—Chairs Produced Especially for Classroom and Dormitory Use in Colleges and Schools, Designed and Modeled Under Expert Advice, for Prevention of Spinal Injury.

Claims use since Sept. 1, 1919.

- 152,107. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE RAYBESTOS COMPANY, Bridgeport, Conn. Filed July 18, 1921. Serial No. 150,571.



Particular description of goods.—Brake Linings and Clutch Linings.

Claims use since 1910.

- 152,108. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) FRANK A. RITTER, Detroit, Mich. Filed Mar. 12, 1921. Serial No. 144,686.

Natural MOTION

Particular description of goods.—Artificial Limbs and Members.

Claims use since March, 1919.

TRADE-MARK REGISTRATIONS RENEWED.

-
- | | |
|---|---|
| <p>19,804. TIN PLATES. Registered June 30, 1891. THE TEILO TIN-PLATE CO., LIMITED, Pontardulais, England. Renewed June 30, 1921.</p> <p>19,805. TIN PLATES. Registered June 30, 1891. THE TEILO TIN-PLATE CO., LIMITED, Pontardulais, England. Renewed June 30, 1921.</p> <p>19,806. TIN PLATES. Registered June 30, 1891. THE TEILO TIN-PLATE CO., LIMITED, Pontardulais, England. Renewed June 30, 1921.</p> <p>19,874. CEMENT. Registered July 14, 1891. THE BRAUNSCHWEIGER CEMENTWERKE, Brunswick, Germany. Renewed July 14, 1921.</p> <p>20,184. BRANDY. Registered October 6, 1891. JULES ROBIN & Co., Cognac, France. Renewed October 6, 1921.</p> <p>20,398. PAINT. Registered November 24, 1891. EMANUEL MAYNZ, New York, N. Y. Renewed November 24, 1921.</p> <p>20,528. COTTON THREAD. Registered December 29, 1891. CLARK THREAD COMPANY, Newark, N. J. Renewed December 29, 1921.</p> <p>20,538. CARD CLOTH. Registered January 5, 1892. MECHANICAL FABRIC COMPANY, Providence, R. I. Renewed January 5, 1922.</p> | <p>20,608. COTTON THREAD. Registered January 19, 1892. CLARK THREAD COMPANY, Providence, R. I. Renewed January 19, 1922.</p> <p>20,609. COTTON THREAD. Registered January 19, 1892. CLARK THREAD COMPANY, Newark, N. J. Renewed January 19, 1922.</p> <p>20,616. SPOOL COTTON. Registered January 19, 1892. CLARK THREAD COMPANY, Newark, N. J. Renewed January 19, 1922.</p> <p>20,678. LAMPS. Registered February 2, 1892. THE SAFETY CAR HEATING AND LIGHTING COMPANY, New York, N. Y. Renewed February 2, 1922.</p> <p>20,717. SILKS, VELVETS, SATINS, PLUSHES, CORDS, AND RIBBONS. Registered February 16, 1892. ALBERT HERZOG, New York, N. Y. Renewed February 16, 1922.</p> <p>20,916. INSULATED WIRES, INSULATED ELECTRIC CABLES, AND INSULATING MATERIAL. Registered March 29, 1892. THE INDIANA RUBBER AND INSULATED WIRE COMPANY, Jonesboro, Ind. Renewed March 29, 1922.</p> <p>21,047. EGG CARRIERS AND CASES, EGG-CASE FILLERS, AND FRUIT CARRIERS. Registered April 26, 1892. HENRY WEIS, Waterloo, Iowa. Renewed April 26, 1922.</p> |
|---|---|
-

LABELS

REGISTERED FEBRUARY 14, 1922.

- 24,030.—*Title:* "VENUS RUBBER BANDS." (For Boxes for Shipping Rubber Bands.) AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Filed October 24, 1921.
- 24,031.—*Title:* "MOUNTAIN BRAND." (For Fresh Apples.) BAKER & COE, White Salmon, Wash. Filed December 7, 1921.
- 24,032.—*Title:* "PEPSOL." (For Receptacles Containing Tooth Paste.) JOHN J. BLACKMAN, Atlantic City, N. J. Filed December 30, 1921.
- 24,033.—*Title:* "CHERRYFAIRY." (For Candy.) VAL. BLATZ JR. CANDY CO., Milwaukee, Wis. Filed December 12, 1921.
- 24,034.—*Title:* "PEPSINA Y RUIBARBO BOSQUE." (For a Remedy for Dyspepsia and Indigestion.) ARTURO C. BOSQUE, New York, N. Y. Filed October 27, 1921.
- 24,035.—*Title:* "PEPSIN AND RHUBARB BOSQUE." (For a Remedy for Dyspepsia and Indigestion.) ARTURO C. BOSQUE, New York, N. Y. Filed October 27, 1921.
- 24,036.—*Title:* "CARLOX PERFECTED HAIR CURLERS." (For Hair Curlers.) BOYD-BRENIZER CORPORATION, Wilmington, Del., and Philadelphia, Pa. Filed December 7, 1921.
- 24,037.—*Title:* "GREEN VALLEY CREAMERY BUTTER." (For Butter.) BRIDGEMAN-RUSSELL Co., Duluth, Minn. Filed December 12, 1921.
- 24,038.—*Title:* "BUSS FUSES." (For Electrical Plug Fuses.) BUSSMANN MANUFACTURING COMPANY, St. Louis, Mo. Filed October 5, 1921.
- 24,039.—*Title:* "THE CALTEX COMPANY RHINO TEXTILE PRODUCTS." (For Artificial Leather.) THE CALTEX COMPANY, San Jose, Calif. Filed December 12, 1921.
- 24,040.—*Title:* "HUMPTY DUMPTY." (For Candies—Namely, Kiddie Junior Candies.) CANDY CRAFT, INC., Chicago, Ill. Filed November 7, 1921.
- 24,041.—*Title:* "TINKLES THE CLOWN." (For Candies—Namely, Kiddie Junior Candies.) CANDY CRAFT, INC., Chicago, Ill. Filed November 7, 1921.
- 24,042.—*Title:* "JACK AND JILL." (For Candies—Namely, Kiddie Junior Candies.) CANDY CRAFT, INC., Chicago, Ill. Filed November 7, 1921.
- 24,043.—*Title:* "NATURAL FOODS OF CALIFORNIA 'CARQUÉ.'" (For Black Mission Figs.) CARQUÉ PURE FOOD COMPANY, Los Angeles, Calif. Filed November 15, 1921.
- 24,044.—*Title:* "BLUE FLAG TIMER." (For Cartons Containing Timers Designed Particularly for Ford Cars, Tractors, and Trucks.) CHICAGO TIMER FACTORY INCORPORATED, Chicago, Ill. Filed December 29, 1921.
- 24,045.—*Title:* "DALE'S SWEET SCRAP." (For Tobacco.) THE CLARK & SNOVER Co., Scranton, Pa. Filed December 12, 1921.
- 24,046.—*Title:* "MIRACLE THE WORLD'S GREATEST CLEANER." (For a Washing Compound.) COLUMBIA PRODUCTS COMPANY, Columbia City, Ind. Filed December 30, 1921.
- 24,047.—*Title:* "CRESCENT FARM." (For Unsweetened Evaporated Milk.) THE CRESCENT COMPANY, Tarrs, Pa. Filed November 8, 1921.
- 24,048.—*Title:* "BUTTEROLLS." (For Rolls.) LORIN A. DANIELS, Kansas City, Mo. Filed August 16, 1920.
- 24,049.—*Title:* "DE-PA-CO CONCOTE." (For Packages and Containers for Paints.) THE DEBEVOISE COMPANY, Brooklyn, N. Y. Filed January 5, 1922.
- 24,050.—*Title:* "DE-PA-CO FLAT FINISH." (For Packages and Containers for Paints.) THE DEBEVOISE COMPANY, Brooklyn, N. Y. Filed January 5, 1922.
- 24,051.—*Title:* "DEREKA METAL PAINT." (For Packages and Containers for Paints.) THE DEBEVOISE COMPANY, Brooklyn, N. Y. Filed January 5, 1922.
- 24,052.—*Title:* "DE-PA-CO MILL WHITE PAINT." (For Packages and Containers for Paints.) THE DEBEVOISE COMPANY, Brooklyn, N. Y. Filed January 5, 1922.
- 24,053.—*Title:* "DE-PA-CO SERVICECOAT ENAMEL." (For Packages and Containers for Paints.) THE DEBEVOISE COMPANY, Brooklyn, N. Y. Filed January 5, 1922.
- 24,054.—*Title:* "DE-PA-CO BEST QUALITY PAINT." (For Packages and Containers for Paints.) THE DEBEVOISE COMPANY, Brooklyn, N. Y. Filed January 5, 1922.
- 24,055.—*Title:* "DE-PA-CO LUXE ENAMEL." (For Packages and Containers for Paints.) THE DEBEVOISE COMPANY, Brooklyn, N. Y. Filed January 5, 1922.
- 24,056.—*Title:* "EVERYBODY'S BREAD." (For Loaves of Bread.) DES MOINES BAKERY Co., Des Moines, Iowa. Filed January 6, 1922.
- 24,057.—*Title:* "DEXTER'S AUNT MARY'S BREAD." (For Bread.) THE DEXTER BAKING COMPANY, Waterbury, Conn. Filed December 13, 1921.
- 24,058.—*Title:* "REVELATION." (For Cantaloupes.) JOHN A. ECK Co., Chicago, Ill. Filed December 7, 1921.
- 24,059.—*Title:* "REVELATION." (For Apples.) JOHN A. ECK Co., Chicago, Ill. Filed December 7, 1921.
- 24,060.—*Title:* "THE DUNBAR SPECIAL." (For Cigar Boxes and Cans.) RICHARD E. EDWARDS, Richmond, Ind. Filed November 9, 1921.
- 24,061.—*Title:* "ELINE'S SWEET MILK CHOCOLATES." (For Milk Chocolate.) ELINE'S INCORPORATED, Milwaukee, Wis. Filed November 21, 1921.
- 24,062.—*Title:* "FRUTCHEY SILK SHOP." (For Silk Fabrics in the Piece.) W. J. R. FRUTCHEY & Co., New York, N. Y., assignor to Frutchey Mercantile Corporation, Inc., New York, N. Y. Filed December 15, 1921.
- 24,063.—*Title:* "THE ORIGINAL J G STANDARD HAIR NET." (For Hair Nets.) JULIUS GELB, Philadelphia, Pa. Filed September 24, 1921.
- 24,064.—*Title:* "BOND SOUP." (For Sealed Cans Containing Soups of Various Kinds.) THE GENERAL PRESERVE COMPANY, Penns Grove, N. J. Filed December 2, 1921.
- 24,065.—*Title:* "BABY BUNTING." (For Toilet Powder.) GORDON-THORNE Co., Utica, N. Y. Filed January 3, 1922.

- 24,066.—*Title:* "LAXO." (For Bottles or Containers of a Natural Laxative Water.) GUARANTEED PRODUCTS COMPANY, Sioux Falls, S. D. Filed December 7, 1921.
- 24,067.—*Title:* "HEIDELBERGER PHILYMADE SWEETS." (For Candies.) HEIDELBERGER CONFECTIONERY Co., Philadelphia, Pa. Filed December 14, 1921.
- 24,068.—*Title:* "COLUMBIA GORGE." (For Royal Anne Cherries.) HOOD RIVER CANNING Co., Hood River, Oreg. Filed January 3, 1922.
- 24,069.—*Title:* "MALTOAT." (For Packages Containing Biscuits.) HORLICK MALTOAT PRODUCTS Co., Racine, Wis. Filed January 3, 1922.
- 24,070.—*Title:* "TIP TOP." (For a Breakfast Food.) INTERNATIONAL CORN PRODUCTS CORPORATION, Detroit, Mich. Filed December 7, 1921.
- 24,071.—*Title:* "CANDY POPS." (For Canded Pop Corn, Fruit, and Nuts.) INTERNATIONAL CORN PRODUCTS CORPORATION, Detroit, Mich. Filed December 7, 1921.
- 24,072.—*Title:* "MON-CHERI." (For Candy.) KELLOGG SUGAR PRODUCTS Co., Lima, Ohio. Filed December 9, 1921.
- 24,073.—*Title:* "EL PERFECTION." (For Cigars.) STEPHEN S. KEMPF, Chicago, Ill. Filed December 9, 1921.
- 24,074.—*Title:* "KRANKS SKIN-HEALTH FACE POWDER." (For Boxes Containing a Face Powder.) ALFRED J. KRANK, St. Paul, Minn. Filed January 3, 1922.
- 24,075.—*Title:* "NO JOKE." (For Oranges.) PHILIP JAMES LANGFORD, Frostproof, Fla. Filed November 8, 1921.
- 24,076.—*Title:* "GRANDMA'S CAKE." (For Cake.) LANTZ BROS. BAKING Co., St. Louis, Mo. Filed October 3, 1921.
- 24,077.—*Title:* "HORSE-RADISH MUSTARD." (For Horse-Radish Mustard.) LANTZ BROS. B. Co., St. Louis, Mo. Filed December 31, 1921.
- 24,078.—*Title:* "HORSE-RADISH." (For Horse-Radish.) LANTZ BROS. B. Co., St. Louis, Mo. Filed December 31, 1921.
- 24,079.—*Title:* "SPICKANBRITE NO. 2 BRITE POLISH." (For a Polish for Varnished or Enameled Surfaces.) LINCOLN CHEMICAL COMPANY, Minneapolis, Minn. Filed November 19, 1921.
- 24,080.—*Title:* "SPICKANBRITE NO. 1 SPIK CLEANER." (For a Cleaner for Varnished or Enameled Surfaces.) LINCOLN CHEMICAL COMPANY, Minneapolis, Minn. Filed November 19, 1921.
- 24,081.—*Title:* "LUDLOW TWINE." (For Boxes Containing Balls of Twine.) LUDLOW MANUFACTURING ASSOCIATES, Boston, Mass. Filed January 3, 1922.
- 24,082.—*Title:* "DANISH BUTTER." (For Creamery Butter Imported from Denmark.) GEORGE MADSEN, Chicago, Ill. Filed December 30, 1921.
- 24,083.—*Title:* "AMASIA." (For a Medicinal Preparation Aimed to Overcome the Unnatural Discharge of the Mucous Membrane.) JOHN H. MARGOSIAN, Milford, Mass. Filed March 2, 1921.
- 24,084.—*Title:* "SANAPURE." (For Cartons Containing Butter.) MENASHA PRINTING and CARTON COMPANY, Menasha, Wis., assignor to International Dairy Co., Chicago, Ill. Filed December 7, 1921.
- 24,085.—*Title:* "MID-STATES BRAND." (For Rolled Oats.) MID-STATES WHOLESALE GROCERS, Omaha, Nebr. Filed October 8, 1920.
- 24,086.—*Title:* "B. PROMPT." (For Boxes Containing Collection and Good-Will Labels.) MILWAUKEE LABEL & SEAL Co., Milwaukee, Wis. Filed September 23, 1921.
- 24,087.—*Title:* "ELAINE CHOCOLATES." (For Boxes Containing Chocolate Candy.) MILWAUKEE PAPER BOX COMPANY, Milwaukee, Wis. Filed December 5, 1921.
- 24,088.—*Title:* "CHERRY-SAN CHOCOLATES." (For Boxes Containing Chocolate Candy.) MILWAUKEE PAPER BOX COMPANY, Milwaukee, Wis. Filed December 5, 1921.
- 24,089.—*Title:* "AUTO SPRING OYLE." (For Cans Containing Auto Spraying Oyle.) MOTOR PRODUCTS COMPANY, Los Angeles, Calif. Filed November 16, 1921.
- 24,090.—*Title:* "HI-HI BROAD LEAF." (For Cigars.) CHARLES A. NAYLOR, St. Louis, Mo. Filed November 2, 1921.
- 24,091.—*Title:* "NORTHROP, KING & CO. SEED CORN." (For Bags of Seed Corn.) NORTHROP, KING & Co., Minneapolis, Minn. Filed December 12, 1921.
- 24,092.—*Title:* "CASH & CARRY BRAND 2 SWEET CORN 2 EXTRA STANDARD QUALITY." (For Canned Sweet Corn.) THE NOVAK GROCERY COMPANY, Chicago, Ill. Filed October 17, 1921.
- 24,093.—*Title:* "CASH & CARRY BRAND 1 SWEET CORN 1 FANCY QUALITY." (For Canned Sweet Corn.) THE NOVAK GROCERY COMPANY, Chicago, Ill. Filed October 17, 1921.
- 24,094.—*Title:* "CASH & CARRY BRAND 3 SWEET CORN 3 STANDARD QUALITY." (For Canned Sweet Corn.) THE NOVAK GROCERY COMPANY, Chicago, Ill. Filed October 17, 1921.
- 24,095.—*Title:* "FOREST MAID." (For Receptacles Containing Salt.) THE OHIO SALT COMPANY, Wadsworth, Ohio. Filed December 17, 1921.
- 24,096.—*Title:* "JEWEL LOAF." (For Loaves of Bread.) CHAS. E. PATTON, Lynchburg, Ohio. Filed September 28, 1921.
- 24,097.—*Title:* "DIP-IT." (For Cartons Containing Dip-It.) PEEL CHEMICAL CORPORATION, New York, N. Y. Filed February 1, 1922.
- 24,098.—*Title:* "LITTLE JOE." (For Sweet Potatoes.) PITTSBURG STORAGE COMPANY, Pittsburg, Tex. Filed December 13, 1921.
- 24,099.—*Title:* "THE LUCILLE DRESS." (For Children's Dresses.) JOS. PLYMACK, Camden, N. J. Filed February 21, 1921.
- 24,100.—*Title:* "EDELWEISS." (For Limburger Cheese.) THE PURITY CREAM CHEESE Co., Cleveland, Ohio. Filed February 12, 1921.
- 24,101.—*Title:* "RESEARCH BRAND." (For Parking Lamps.) RESEARCH CLUB INC., Chicago, Ill. Filed December 7, 1921.
- 24,102.—*Title:* "RICH'S GELATIN WINE JELLY." (For Gelatine.) E. C. RICH, INC., New York, N. Y. Filed December 7, 1921.
- 24,103.—*Title:* "VERMONT STYLE SYRUP." (For a Sirup Composed of 75% Cane-Sugar Sirup and 25% Maple Sirup.) ROBB-ROSS Co., Sioux City, Iowa. Filed December 20, 1921.
- 24,104.—*Title:* "TRIUMPH." (For Canned Crab Meat.) SALE & FRAZER, LTD., Tokyo, Japan. Filed December 7, 1921.
- 24,105.—*Title:* "VOGUE HAIR NET." (For Hair Nets.) SEIDNER & HITZIGRATH, New York, N. Y. Filed November 5, 1921.
- 24,106.—*Title:* "ROYAL TASTE." (For Coffee.) SIBLEY-ALMY Co., Inc., Olean, N. Y. Filed November 2, 1921.
- 24,107.—*Title:* "GOLDEN GLOW." (For Hand-Selected Sweet Potatoes.) SOUTHERN SWEET POTATO EXCHANGE, Chicago, Ill. Filed October 31, 1921.

- 24,108.—*Title:* "J. I. TRIPLETT'S CHAMPION." (For Wheat Flour.) JOSEPH I. TRIPLETT, Woodstock, Va. Filed November 10, 1921.
- 24,109.—*Title:* "CHINESE MAID." (For Noodles.) TRI-STAR NOODLE FACTORY, Chicago, Ill. Filed December 27, 1921.
- 24,110.—*Title:* "VIS-LAX." (For Laxative Tablets.) ANTHONY P. VISCARDI, New York, N. Y. Filed June 1, 1921.
- 24,111.—*Title:* "LOFA." (For Bread.) HENRY V. WALTERS, Long Branch, N. J. Filed December 9, 1921.
- 24,112.—*Title:* "KEY WEST REPEATER." (For Cigars.) WATKINS AND KEMP CIGAR COMPANY, Key West, Fla. Filed December 19, 1921.
- 24,113.—*Title:* "JIM HILL." (For Fresh Apples.) WENATCHEE DISTRICT CO-OPERATIVE ASSOCIATION, Wenatchee, Wash. Filed December 7, 1921.
- 24,114.—*Title:* "AMOCAT." (For Apricots.) WEST COAST GROCERY COMPANY, Tacoma, Wash. Filed December 27, 1921.
- 24,115.—*Title:* "LIGHTHOUSE MALT SYRUP." (For Malt Extracts.) ALBERT WIELICH, New York, N. Y. Filed May 12, 1921.

PRINTS

REGISTERED FEBRUARY 14, 1922.

- 5,949.—*Title:* "ENVELOPE CALENDER." (For Advertising Purposes for Envelopes.) BOURKE-RICE ENVELOPE COMPANY, Chicago, Ill. Filed December 5, 1921.
- 5,950.—*Title:* "PIDGIE PANTIE-FROCK." (For Advertising Purposes for Children's Clothing.) BROHMAN COMPANY, New York, N. Y. Filed August 12, 1921.
- 5,951.—*Title:* "CARMOTE THE PERFECT FLOOR VARNISH STANDS HARD KNOCKS." (For Advertising Purposes for Carmote Varnish.) CARPENTER-MORTON CO., Boston, Mass. Filed December 30, 1921.
- 5,952.—*Title:* "BLUE FLAG TIMER." (For Advertising Purposes for a Timer Designed Particularly for Ford Cars, Tractors, and Trucks.) CHICAGO TIMER FACTORY INCORPORATED, Chicago, Ill. Filed December 29, 1921.
- 5,953.—*Title:* "DRINK COCA-COLA." (For Advertising Purposes for Coca-Cola.) THE COCA COLA COMPANY, Atlanta, Ga. Filed December 30, 1921.
- 5,954.—*Title:* "DRINK COCA-COLA." (For Advertising Purposes for Coca-Cola.) THE COCA COLA COMPANY, Atlanta, Ga. Filed December 30, 1921.
- 5,955.—*Title:* "CRANE'S BALTIMORE ICE CREAM." (For Advertising Purposes for Ice Cream.) CRANE ICE CREAM COMPANY, Philadelphia, Pa. Filed July 22, 1921.
- 5,956.—*Title:* "KEPT CLEAN WITH GOLD DUST." (For Advertising Purposes for Gold Dust Washing Powder.) THE N. K. FAIRBANK COMPANY, New York, N. Y. Filed December 9, 1921.
- 5,957.—*Title:* "BRINGING HOME THE BAKIN'." (For Advertising Purposes for Federal Bread.) FEDERAL SYSTEM OF BAKERIES OF AMERICA, INC., Davenport, Iowa. Filed October 27, 1921.
- 5,958.—*Title:* "A FREE BOOK." (For Advertising Purposes for Jell-O, a Dessert Preparation.) THE GENESEE PURE FOOD COMPANY, Le Roy, N. Y. Filed December 10, 1921.
- 5,959.—*Title:* "THE MISSION SCENE." (For Advertising Purposes for Jell-O, a Dessert Preparation.) THE GENESEE PURE FOOD COMPANY, Le Roy, N. Y. Filed December 10, 1921.
- 5,960.—*Title:* "THE GRAPHIC DUPLICATOR." (For Advertising Purposes for Duplicating Machines.) DAVID HYAMS, Newport News, Va. Filed December 8, 1921.
- 5,961.—*Title:* "THE NEW 1922 FIVE PASSENGER HAYNES 75 BROUGHAM." (For Advertising Purposes for Automobiles.) THE HAYNES AUTOMOBILE COMPANY, Kokomo, Ind. Filed November 3, 1921.
- 5,962.—*Title:* "THE NEW 1922 FIVE PASSENGER HAYNES 55 SEDAN." (For Advertising Purposes for Automobiles.) THE HAYNES AUTOMOBILE COMPANY, Kokomo, Ind. Filed November 3, 1921.
- 5,963.—*Title:* "INTERWOVEN SOCKS LIGHT-WEIGHT RIBBED WOOLS." (For Advertising Purposes for Hosiery.) INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed November 19, 1921.
- 5,964.—*Title:* "GET HIM A BOX FOR CHRISTMAS." (For Advertising Purposes for Hosiery.) INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed December 10, 1921.
- 5,965.—*Title:* "THOMAS A. JENKINS GLASS VENTILATORS." (For Advertising Purposes for Glass Ventilators.) THOMAS A. JENKINS, Jersey City, N. J. Filed December 14, 1921.
- 5,966.—*Title:* "PROTECT YOUR FEET." (For Advertising Purposes for Alzo Foot Powder a Preparation for the Feet.) ALFRED M. KRONBERGER, Boston, Mass. Filed August 24, 1921.
- 5,967.—*Title:* "NA-WA-CO." (For Advertising Purposes for a Powder for Sweaty Feet.) CHAS. A. LIEBERMAN, Georgetown, Ohio. Filed June 20, 1921.
- 5,968.—*Title:* "DOUBLE KNOT SALMON GILL NETTING." (For Advertising Purposes for Threads and Netting.) THE LINEN THREAD COMPANY, New York, N. Y. Filed December 13, 1921.
- 5,969.—*Title:* "THE PENCIL WITH A MISSION." (For Advertising Purposes for Pencils.) LISTO PENCIL COMPANY, Alameda, Calif. Filed December 28, 1921.
- 5,970.—*Title:* "MANISCHEWITZ MATZOS." (For Advertising Purposes for Matzos.) THE B. MANISCHEWITZ COMPANY, Cincinnati, Ohio. Filed December 27, 1921.
- 5,971.—*Title:* "TAKING INDUSTRY OUT OF THE SHADOW OF THE PEN." (For Advertising Purposes for Bookkeeping Machines.) HARRY C. MICHAELS Co., New York, N. Y. Filed October 27, 1921.
- 5,972.—*Title:* "SILVER BUCKLE RAISINS." (For Advertising Purposes for Raisins.) MILWAUKEE PAPER BOX COMPANY, Milwaukee, Wis. Filed December 3, 1921.
- 5,973.—*Title:* "MRS. GRAF'S HOME MADE CANDIES." (For Advertising Purposes for Candy.) MILWAUKEE PAPER BOX COMPANY, Milwaukee, Wis. Filed December 3, 1921.
- 5,974.—*Title:* "GOLDEN NUGGET FUDGE." (For Advertising Purposes for Fudge.) ANDREW OLSEN, Jr., San Francisco, Calif. December 21, 1921.
- 5,975.—*Title:* "PHILIPSBORN'S LITE AND FLUFFY." (For Advertising Purposes for Marabou and Ostrich Ornaments.) PHILIPSBORN'S, INC., Chicago, Ill. Filed December 5, 1921.
- 5,976.—*Title:* "REPUBLIC RAPID TRANSIT." (For Advertising Purposes for Motor Trucks and Parts Thereof.) REPUBLIC MOTOR TRUCK CO. INC., Alma, Mich. Filed December 6, 1921.
- 5,977.—*Title:* "REPUBLIC RAPID TRANSIT." (For Advertising Purposes for Motor Trucks and Parts Thereof.) REPUBLIC MOTOR TRUCK CO. INC., Alma, Mich. Filed December 6, 1921.
- 5,978.—*Title:* "REPUBLIC RAPID TRANSIT." (For Advertising Purposes for Motor Trucks and Parts Thereof.) REPUBLIC MOTOR TRUCK CO. INC., Alma, Mich. Filed December 10, 1921.
- 5,979.—*Title:* "GLACIER TRAIL." (For Advertising Purposes for Road Markers.) FRANK C. THORNTON, Benson, Minn. Filed November 7, 1921.
- 5,980.—*Title:* "ADVANCE MODULIMETER TESTED." (For Advertising Purposes for Washers and Gaskets.) THE WIDNEY COMPANY, Chicago, Ill. Filed June 29, 1920.

DECISIONS

OF THE

COMMISSIONER OF PATENTS

AND OF

UNITED STATES COURTS IN PATENT CASES.

COMMISSIONER'S DECISIONS.

R. H. MACY & Co. INC. v. THE MACEY COMPANY, INC.

Decided January 21, 1922.

1. TRADE-MARKS—STATUTES CONSTRUED.

The words after "Provided" in section 1 (b) of the Trade-Mark Act of March 19, 1920, have the same import as corresponding words in section 5 (b) of the act of February 20, 1905.

2. SAME—SAME.

In section 1 (b) of the Trade-Mark Act of March 19, 1920, the word "identical" means "identical or so nearly identical."

3. SAME—NOT NECESSARY FOR MARKS TO BE IDENTICAL TO SUSTAIN CANCELLATION PROCEEDINGS.

Petition for cancellation of a trade-mark registered under section 1 (b) of the act of March 19, 1920, will not be dismissed on motion because petitioner's mark is not identical with the registered mark.

4. SAME—SAME.

The inclusion of a trade-mark on the register of section 1 (b) of the act of March 19, 1920, is sufficient to warrant a cancellation proceeding; under section 2 of the act if petitioner's mark would colorably imitate the registered mark.

APPEAL from Examiner of Interferences.

TRADE-MARK FOR WEARING APPAREL FOR WOMEN.

Mr. H. H. Byrne for R. H. Macy & Co., Inc.

Messrs. Knight Bros. for The Macey Company, Inc.

FENNING, Assistant Commissioner:

This is an appeal from the action of the Examiner of Interferences granting a motion to dismiss a petition for cancellation of Trade-Mark No. 139,461, entered on register B under the act of March 19, 1920, on February 1, 1921. The registered mark consists of the words "Macey's, St. Paul, Minn." A flourish running from the "s" bears the words "Women's Store of Values."

Petitioner has a trade-mark registered on June 7, 1910, No. 78,333, consisting of the word "Macy's," use of which it claims since 1856. The goods of the parties are the same.

It is admitted that there is not absolute identity between the marks of the parties. In one the surname is spelled with an "e." One includes the geographical "St. Paul, Minn.," and the descriptive phrase "Women's Store of Values."

The literal inhibition in section 1 (b) of the act of March 19, 1920, is against the registration

of marks which are identical with a known trade-mark, etc. If this is to be given a strict technical interpretation the opposition must be dismissed.

One part of the inhibition against registration in section 5 of the act of February 20, 1905, reads as follows:

Provided, That trade-marks which are identical with a registered or known trade-mark owned and in use by another and appropriated to merchandise of the same descriptive properties, or which so nearly resemble a registered or known trade-mark owned and in use by another and appropriated to merchandise of the same descriptive properties as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers shall not be registered.

The act of March 19, 1920, omits the underscored portion of this quotation. It seems clear that when the draft of the 1920 act was prepared the copyist jumped from "descriptive properties" where it first occurred to "descriptive properties" in its second occurrence. Petitioner here in effect asks that this clerical error of the copyist be remedied by interpreting the 1920 act as if the italicized portion above were included. It seems impossible to parse the "Provided" clause of the 1920 act as it stands. If the clause is read literally as it is, the words following "as to be likely" are meaningless. It is mere redundancy to refer to marks as likely to cause confusion when they have already been described as identical.

The legislative history of the act is of little use in interpreting the law. H. R. 9023 as passed by the House did not include clause (b) which was inserted in the Senate by a committee amendment. This amendment did not include the "Provided" clause. This clause was inserted by the conference committee, but their report contains nothing to help in interpretation; nor is there anything in the discussion on the floor of either house to enlighten.

Against the vigorous protest of Mr. Justice Harlan, the Supreme Court of the United States in interpreting the Sherman Act has applied the "rule of reason." (*U. S. v. American Tobacco Co.*, 31 S. Ct., 632; 221 U. S., 106; *The Standard Oil Company v. United States*, 31 S. Ct., 502; 221, U. S., 1.) It seems appropriate to apply the same rule in the interpretation of the present Trade-Mark Act. So interpreted the act of 1920 is of the same import as the corresponding clause in the act of

1905, and the word "identical" must mean "identical or so nearly identical."

This interpretation is in accord with the opinion of the solicitor for the Department of the Interior, published at C. D., 1920, 89; 277 O. G., 181.

It seems clear that the marks of the parties here involved are so nearly identical as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers. Registrant admits that the differences between the marks—would be considered trivial were the present action brought under the Act of 1905.

Registrant complains that no damage can accrue to petitioner from the mere inclusion of its trademark on the register, but that is the basis for a petition for cancellation provided by section 2 of the act of 1920. Moreover, it must be admitted that petitioner's mark would be held by any court to "colorably imitate" the registered mark here in issue, and, as such, it would make petitioner liable for damages under section 4 of the act of 1920.

It is clear, therefore, that if the facts set out in the petition for cancellation are established it will be found that—

the registrant was not entitled to the exclusive use of the mark at or since the date of his application for registration thereof,

within the meaning of section 2 of the act of 1920.

The decision of the Examiner of Interferences is therefore reversed and the order dismissing the petition for cancellation is vacated.

SLIVINSKI v. LANE.

Decided January 27, 1922.

1. INTERFERENCE — APPLICATION AND PATENT — PRACTICE WHEN REFERENCE IS FOUND BY APPLICANT.

When in an interference between an applicant and a patentee the applicant calls to the Examiner's attention a prior patent which he says anticipates the issue of the interference, his statement should be accepted and the Primary Examiner should ask the Commissioner to dissolve the interference, so that the claim may be rejected to applicant without considering whether the reference meets the claims of the patent.

2. SAME—SAME—SAME.

Whenever a reference is called to the attention of the Primary Examiner, either formally or informally, by an interested party or his attorney, the Examiner should include in the letter calling the reference to the attention of the Law Examiner a statement that the reference was called to his attention by such party.

3. SAME—RULE 128 INTERPRETED.

Applicant should not be allowed in effect to accomplish under the guise of an Examiner's recommendation under Rule 128 what he would not be allowed to do directly by a motion under Rule 122.

ON PETITION.

LADLE CRANES.

Mr. H. P. Doolittle for Slivinski.

Mr. K. P. McElroy for Lane.

FENNING, Assistant Commissioner:

This is a petition for the Commissioner to use supervisory authority. An interference was declared between an application of Slivinski and a patent of Lane, applicant having copied a claim of

the patent and asked for an interference therewith. Preliminary statements were approved on December 23, 1920, and on May 11, 1921, applicant filed a paper calling the attention of the Primary Examiner to a prior patent, stating in terms that it—anticipates the issue of the interference in which this application is involved.

The Examiner then called the attention of the Law Examiner to the prior patent under the provisions of Rule 128, and the case was set down for inter partes argument by the Law Examiner, who apparently went into the merits of the case and, agreeing with the Primary Examiner that the prior patent was a clear and full anticipation of the subject matter of the count, dissolved the interference.

As pointed out in *Patterson v. Neher* (192 O. G., 215; 1913, C. D., 143) applicant would not have been allowed to move under Rule 122 to dissolve the interference on the ground of nonpatentability over the prior reference. This was settled in *Lipe v. Miller*, (C. D., 1904, 114; 109 O. G., 1608;) *Robins v. Titus*, (C. D., 1904, 267; 111 O. G., 584;) *Weissenhanner v. Goldstein*, (C. D., 1904, 281; 111 O. G., 810;) *Griffith v. Dodgson*, (C. D., 1905, 200; 116 O. G., 1731.)

In *Macey v. Tobey v. Laning* (C. D., 1901, 168; 97 O. G., 1172) it is held that the procedure upon a suspension of an interference under Rule 128 for the consideration of references should follow as closely as possible that upon a motion to dissolve under Rule 122.

It is believed that in the present case procedure analogous to that under Rule 122 should have been followed. Applicant should not be allowed in effect to accomplish under the guise of an Examiner's recommendation under Rule 128 what he would not be allowed to do directly by a motion under Rule 122.

When in an interference between an applicant and a patentee the applicant calls to the Examiner's attention a prior patent which he says anticipates the issue of the interference, the interference should be dissolved and the applicant estopped to contest the matter. The claims should be rejected to the applicant on his admission of nonpatentability.

Whenever a reference is called to the attention of the Primary Examiner, either formally or informally, by an interested party or his attorney, the Examiner should include in the letter calling the reference to the attention of the Law Examiner a statement that the reference was called to his attention by such party.

The Office has no jurisdiction to cancel a patent, and in the present case the application of the prior reference to the claim of the patent should not have been considered by the Primary Examiner or by the Law Examiner. If applicant does not regard the claim patentable, there appears to be no good reason why the Office should be put to the burden of considering the question of patentability. His statement should be accepted, and the Primary Examiner should ask the Commissioner to dissolve the interference, so that the claim may be rejected to

him without considering whether the reference meets the claim of the patent.

The decision of the Law Examiner is vacated, the interference is dissolved, and the Primary Examiner is instructed to reject claim 9 of Slivinski on the es:oppel contained in the paper quoted above, filed May 11, 1921.

ADJUDICATED PATENTS.

(U. S. C. C. A. Mich.) The Miggett patent, No. 1,052,164, for boiler-tube cleaner, *Held* not infringed. *Diamond Power Specialty Co. v. Merz Capsule Co.*, 276 Fed. Rep., 274.

(U. S. C. C. A. Or.) The Owens, Beck, and Steinman patent, No. 1,254,764, for method of delineating or reproducing pictures and designs, *Held* valid and infringed. *Selectasine Patents Co. v. Prest-O-Graph Co.*, 276 Fed. Rep., 260.

(U. S. C. C. A. N. J.) The Tangring patent, No. 883,759, for nonrotating wire rope, *Held* not infringed. *Macomber & Whyte Rope Co. v. American Steel & Wire Co.*, 276 Fed. Rep., 286.

(U. S. C. C. A. Ohio.) The Van Kannel reissue patent, No. 14,255, for revolving door, claims 3, 23, and 24, *Held* valid and infringed. *Van Kannel Revolving Door Co. v. Winton Hotel Co.*, 276 Fed. Rep., 234.

(U. S. C. C. A. N. J.) The Whyte patent, No. 953,161, for nonrotating wire rope, *Held* valid, but not infringed. *Macomber & Whyte Rope Co. v. American Steel & Wire Co.*, 276 Fed. Rep., 286.

(U. S. C. C. A. Ill.) The Campbell patent, No. 1,050,102, and Lanchester reissue patent, No. 14,644, for processes of manufacturing piston rings, *Held* not infringed. *Piston Ring Co. v. Burd High Compression Ring Co.*, 276 Fed. Rep., 357.

(U. S. D. C. N. Y.) The Robinson patent, No. 809,582, for vegetable-peeling machine, claims 1, 2, 3, and 4 *Held* infringed. *Imperial Machine & Foundry Corporation v. American Machinery Co.*, 276 Fed. Rep., 436.

(U. S. C. C. A. Mo.) The Tweedie patent, No. 1,153,977, for boot-top, *Held* not infringed. *Royal Co. v. Tweedie*, 276 Fed. Rep., 351.

Adverse Decisions in Interference.

PATENT No. 1,332,027.

On January 4, 1922, a decision was rendered that Alva B. Bunker was not the first inventor of the subject-matter covered by claim 4 of his Patent No. 1,332,027, subject, "Marine compass," and no appeal having been taken within the time allowed such decision has become final.

PATENT No. 1,337,670.

On January 3, 1922, a decision was rendered that William A. Smith was not the first inventor of the subject-matter covered by claim 1 of his Patent No. 1,337,670, subject, "Pin puller," and no appeal having been taken within the time allowed such decision has become final.

PATENT No. 1,253,820.

On February 3, 1922, a decision was rendered that Gilbert F. Helson was not the first inventor of the subject-matter covered by claim 1 of his Patent No. 1,253,820, subject, "Apparatus for filling bottles," and no appeal having been taken within the time allowed such decision has become final.

THE OFFICIAL GAZETTE

OF THE

United States Patent Office.

Vol. 295—No. 3.

TUESDAY, FEBRUARY 21, 1922.

Price—\$5 per year.

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, \$5.00 per annum; single numbers, 10 cents each.

Printed copies of patents are furnished by the Patent Office at 10 cents each. For the latter, address the Commissioner of Patents, Washington, D. C.

CONTENTS.

	Page.
ISSUE OF FEBRUARY 21, 1922.....	467
INTERFERENCE NOTICES.....	467
APPLICATIONS UNDER EXAMINATION.....	468
PATENTS GRANTED.....	469
REISSUES.....	618
DESIGNS.....	618
TRADE-MARKS PUBLISHED (172 APPLICATIONS).....	629
TRADE-MARK REGISTRATIONS GRANTED.....	653
INTERNATIONAL TRADE-MARK REGISTRATIONS.....	664
TRADE-MARK REGISTRATIONS RENEWED.....	665
LABELS.....	666
PRINTS.....	666
REPORT OF THE COMMISSIONER OF PATENTS TO CONGRESS FOR THE YEAR ENDED DECEMBER 31, 1921.....	667

Issue of February 21, 1922.

Patents.....	730—No. 1,406,958 to No. 1,407,687, inclusive.
Designs.....	45—No. 60,438 to No. 60,482, inclusive.
Trade-Marks.....	225—No. 152,109 to No. 152,333, inclusive.
Labels.....	13—No. 24,116 to No. 24,128, inclusive.
Prints.....	11—No. 5,981 to No. 5,991, inclusive.
Reissues.....	4—No. 15,288 to No. 15,291, inclusive.
T. M. Renewals.....	15

Total..... 1043

Interference Notices.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., January 31, 1922.

Lawrence Dewey Meredith, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent of Lawrence Dewey Meredith, 1502 Fourth Street, North Minneapolis, Minn., and the application for patent of John J. Mahoney, 10 Fountain Street, Medford, Mass. The Office has been unable to secure service either upon Lawrence Dewey Meredith or on his assignee, Samuel Meredith, Minneapolis, Minn. Notice is therefore hereby given that unless said Lawrence Dewey Meredith, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., January 31, 1922.

Henry Erric, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of The Glidden Company, Cleveland, Ohio, for registration of a trade-mark and trade-mark registered March 10, 1908, No. 68,083, to Henry Erric, 96-98 Water Street, New York, N. Y., and a notice of such declaration sent by registered mail to Henry Erric at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Henry Erric, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., February 3, 1922.

Bruno H. Goll Chemical Works, their assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of R. Odell & Sons Company, 103 Washington Street, Newark, N. J., and Henry Bach, 102 West Market Street, Akron, Ohio, for registrations of trade-marks and trade-mark registered Dec. 31, 1907, No. 66,838, to Bruno H. Goll Chemical Works, 661 West Twelfth Street, Chicago, Ill., and a notice of such declaration sent by registered mail to Bruno H. Goll Chemical Works at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Bruno H. Goll Chemical Works, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., February 7, 1922.

Coe & Hill, their assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of The Electrozone Water Company, of 1005 West Twelfth Street, city of Oklahoma, Okla., for registration of a trade-mark and trade-mark registered September 27, 1921, No. 146,969, to Coe & Hill, of Oklahoma, Okla., and a notice of such declaration sent by registered mail to said Coe & Hill at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Coe & Hill, their assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., February 8, 1922.

Henry Rattermann, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Wadsworth-Howland Company, 219-229 Carpenter Street, Chicago, Ill., for registration of a trade-mark and trade-mark registered June 4, 1895, No. 26,652, to Henry Rattermann, 577 Elm Street, Cincinnati, Ohio, and a notice of such declaration sent by registered mail to said Henry Rattermann at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Henry Rattermann, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Assistant Commissioner.

Condition of Applications Under Examination at Close of Business February 11, 1922.

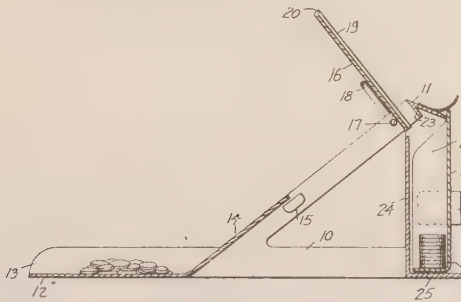
(Total number of applications waiting action, excluding Trade-Mark division, 62,751; Trade-Mark division, 6,864. Oldest new case, Jan. 3; oldest amended, Feb. 26, 1921.)

Room No.	Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action.			No. of applications awaiting action.
		New.	Amended		
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plows; Planting; Scattering Unloaders.	Aug. 23	Sept. 2		856
148	2. BALDWIN, M., Bee Culture; Dairy; Medicines; Pneumatics; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco; Trees, Plants, and Flowers.	Apr. 1	May 6		1,889
175	3. RICH, W. M. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	June 3	May 5		1,084
234	4. MERRITT, A. D., Conveyers; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Hoisting; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Apr. 8	Sept. 7		1,655
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Apr. 16	May 7		1,031
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	June 16	Aug. 20		1,031
312	7. JARBOE, C. G., Games and Toys; Optics; Photography; Velocipedes.	May 20	Aug. 27		2,17
135	8. CLIFT, J. W., Beds; Chairs and Seats; Flexible-Sheet-Securing Devices; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	Nov. 25	Jan. 7		61
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Feb. 7	Dec. 9		1,01
237	10. MITCHELL, T. H., Land Vehicles; Land Vehicles, Animal Draft Appliances; Land Vehicles—Bodies and Tops; Land Vehicles—Dumping; Land Vehicles, Wheel Substitutes; Motor Vehicles.	July 5	Nov. 4		1,2
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	Oct. 11	Oct. 20		5
322	12. PIERCE, P. P., Machine Elements.	July 29	Nov. 20		1
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Tools and Implements, Making; Metal Working; Needle and Pin Making; Turning.	Feb. 17	Nov. 8		1,1
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Apr. 6	Dec. 13		842
308	15. REDROW, W. L., Bread, Pastry, and Confection Making; Glass; Laminated Fabrics and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Mar. 1	Apr. 21		1,925
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony.	Feb. 26	Mar. 16		1,899
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet Feeding or Delivering; Type Setting.	May 9	Oct. 5		1,170
220	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expandable-Chamber Type; Power Plants; Speed-Responsive Devices; Steam and Vacuum Pumps.	Feb. 12	Apr. 13		2,095
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Domestic Cooking Vessels; Rheostats and Humidostats.	Feb. 14	May 19		1,149
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Cutlery; Dentistry; Locks and Latches; Safes; Undertaking.	Aug. 1	Sept. 12		1,701
212	21. THURBER, W. L., Continuous-Strip Feeding; Textiles; Textiles, Braiding, Netting, or Lace Making; Textiles, Cloth Finishing; Textiles, Fiber Preparation; Textiles, Knitting; Textiles, Spinning; Textiles, Twisting or Twining; Textiles, Weaving; Winding and Reeling.	Apr. 14	Sept. 22		813
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making.	Aug. 4	Nov. 7		525
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Horology; Recorders; Registers; Sound Recording and Reproducing; Time-Controlling Mechanism.	Feb. 16	Aug. 1		860
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Apr. 19	Oct. 1		1,175
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable Cutters and Crushers; Gas Separation.	Oct. 25	Nov. 16		380
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	May 23	Aug. 23		894
214	27. ANDERSON, L. S., Abrading; Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	May 12	Aug. 6		1,783
225	28. BENSON, A. R., Internal-Combustion Engines.	Feb. 23	June 3		1,744
147	29. MORRIS, B. N., Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	May 13	Nov. 16		738
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Typewriting Machines.	July 20	Nov. 4		1,565
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Fuel and Igniting Devices; Gas, Heating and Illuminating; Hides, Skins, and Leather; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar and Salt.	Feb. 21	Apr. 15		2,106
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.	Apr. 1	Nov. 2		1,061
70	33. COWLES, W. A., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs.	June 16	Apr. 29		827
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Nov. 14	Dec. 6		334
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Oct. 19	Oct. 17		759
204	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	Sept. 10	Aug. 8		1,578
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	May 2	May 3		1,773
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	Aug. 3	Aug. 4		1,339
220	39. COWLES, A. W., Fluid-Pressure Regulators; Joint Packings; Multiple Valves; Packed Shaft or Rod Joints; Pipe Joints or Couplings; Rod Joints or Couplings; Valved Pipe Joints or Couplings; Valves; Water Distribution.	Jan. 3	Apr. 7		2,200
273	40. OBERLIN, J. J., Baggage; Bottles and Jars; Check-Controlled Apparatus; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Feb. 23	Apr. 29		2,696
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels.	Aug. 27	Sept. 6		802
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps.	Mar. 28	Apr. 9		1,696
382	43. HOPKINS, F. M., Baths and Closets; Dispensing; Dispensing Beverages; Electricity, Medical and Surgical; Fire Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.	Mar. 24	Mar. 28		1,777
253	44. SHAFFER, C. H., Air Guns, Catapults, and Targets; Boats and Buoys; Filling and Closing Portable Receptacles; Marine Propulsion; Railway Draft Appliances; Refrigeration; Ships.	May 21	Nov. 14		537
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices.	July 16	Oct. 29		1,171
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	June 15	Aug. 15		1,311
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems.	Apr. 22	Aug. 29		1,310
118	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications.	Jan. 20	Feb. 26		2,120
163	TRADE-MARKS, DESIGNS, LABELS AND PRINTS: T. L. MEAD, JR.	Aug. 13	Dec. 3		4,283
	Trade-Marks.	June 6	June 20		2,493
	Designs.	Feb. 3	Feb. 3		88
	Labels and Prints.				

PATENTS

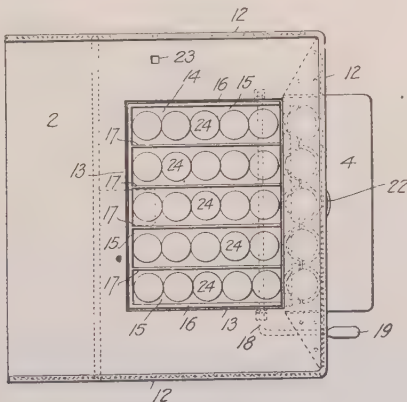
GRANTED FEBRUARY 21, 1922.

1,406,958. COIN COUNTING AND WRAPPING DEVICE. AUGUSTUS ABBOTT, Denver, Colo., assignor, by mesne assignments, to The Universal Device Company, Denver, Colo., a Corporation of Colorado. Filed Sept. 18, 1919. Serial No. 324,538. 12 Claims. (Cl. 133—8.)



1. In a device of the character described, a pivoted coin-holder adapted to receive a predetermined number of coins therein, and a stacker, disposed to receive coins discharged from the holder in a tilted position.

1,406,959. COIN COUNTING AND WRAPPING DEVICE. AUGUSTUS ABBOTT, Denver, Colo., assignor to The Universal Device Company, a Corporation of Colorado. Filed Oct. 15, 1919. Serial No. 330,715. 6 Claims. (Cl. 133—8.)

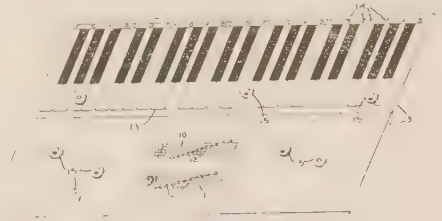


2. In a device of the character described, an inclined surface having an opening, a pivoted coin holder occupying said opening and adapted to receive a predetermined number of coins, and a stacker having a passage adjoining the upper edge of the opening to receive coins discharged from the holder in a tilted position.

1,406,960. EDUCATIONAL GAME FOR TEACHING MUSIC. MABELLE J. ALLEN, Boston, Mass. Filed Apr. 30, 1921. Serial No. 465,942. 4 Claims. (Cl. 84—471.)

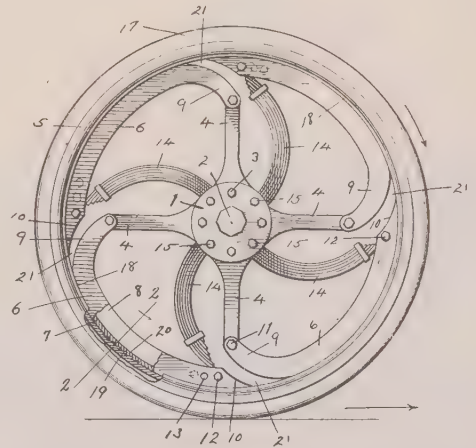
4. An educational game, comprising a board having imprinted thereon a musical staff with notes, said board hav-

ing pockets formed therein at the heads of the notes and a ball adapted to roll over the board and become lodged in one of said pockets thereby selecting a note, in combination with a chart having imprinted thereon a musical staff



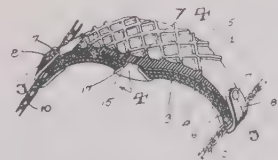
with the letters of the scale and also the representation of a key board of a piano with the keys indicated by letters, and movable "men" adapted to be placed on the keys and each bearing the imprint of a note.

1,406,961. SPRING WHEEL. GEORGE C. ATKINSON, Georgetown, Tex. Filed May 20, 1920. Serial No. 382,783. 7 Claims. (Cl. 152—51.)



1. A resilient wheel comprising a hub, spokes radiating therefrom, a member pivoted to each spoke and curved to form a separate felloe section, and springs connecting the free ends of said sections to the hub.

1,406,962. TIRE-PROTECTING SHOE. JOHN S. AU BUCHON, Farmington, Mo. Filed Dec. 13, 1920. Serial No. 430,332. 3 Claims. (Cl. 152—16.)



3. In a tire protecting device comprising a plurality of members arranged in edge to edge relation about the cir-

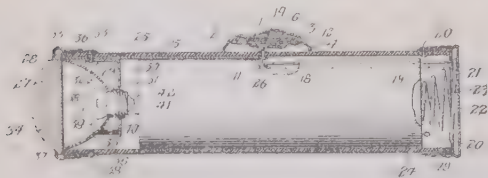
cumference of a tire and flexibly connected, means for preventing wear at the abutting edges of said members comprising a U-shaped metallic element associated with each member and extending transversely thereof with its bight portion disposed at the under side of the member and with its arms extending outwardly of the edges of the member, and means for holding the metallic element in position consisting of penetrating times extending toward each other at the free ends of the arms and engaging within the material of the member.

1,406,963. APPARATUS FOR MOVING ARTICLES OF MAGNETIC MATERIAL. DONALD J. ANGUS, Indianapolis, Ind., assignor to The Crown Cork and Seal Company of Baltimore City, a Corporation of Maryland. Filed Jan. 12, 1917. Serial No. 142,035. 15 Claims. (Cl. 226—88 1.)



1. In an apparatus for feeding crowns from a large, indiscriminate, relatively stationary mass to a capping apparatus, a traveling magnetic belt, means for intermittently placing said belt adjacent the mass, a chute for receiving the crowns from the belt, means for facing the crowns all one way, and means for delivering the faced crowns to the capping apparatus.

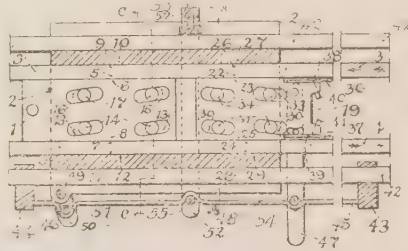
1,406,964. CIRCUIT CONTROLLER FOR FLASH LIGHTS. BERNARD BENEDICT, New York, N. Y., assignor to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 23, 1917. Serial No. 198,096. 7 Claims. (Cl. 200—60.)



1. A circuit controller for a portable electric light having, in combination, a metallic casing part, circuit-completing means including a spring metal strip at the inside of said casing part and fixed at one of its ends thereto and at its other end having a rounded push button projecting from the inside to the outside of said casing part and there adapted to be exposed for manual actuation, a slidable circuit-controlling member in contact with the inner side of said casing part and slidable into and out of engagement with the push button thereby to effect the closing or the opening of the circuit, said cir-

cuit-controlling member being bifurcated so as to engage with the marginal parts only of the push button, and a manually operable slide at the outside of said casing part and connected to said slidable circuit-controlling member for operating the latter.

1,406,965. MECHANISM FOR DRIVING TOOLS. AARON E. BERGEX, Warren, Ohio. Filed Feb. 25, 1920. Serial No. 361,221. 16 Claims. (Cl. 74—14.)



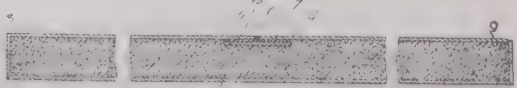
15. In a mechanism for driving tools, a driving belt, a driving block, a friction clutch establishing and destroying driving relationship between said belt and said block, a control block normally moving in unison with said driving block, and a clutch operating mechanism, said clutch operating mechanism being constructed so that when said driving block and said control block are moved out of unison said clutch is operated, substantially as described.

1,406,966. MOP. ANNA E. BIENSTOCK, Newark, N. J. Filed Apr. 6, 1921. Serial No. 458,875. 1 Claim. (Cl. 15—229.)



A hand mop devoid of a rigid handle and comprising a tape and strands attached thereto at one end, said tape and strands being spirally wound to form a head flexible in all directions, the strands having free portions depending from said head to form the flexible body of the mop and stitching extending circumferentially about said head for securing the convolutions thereof in place.

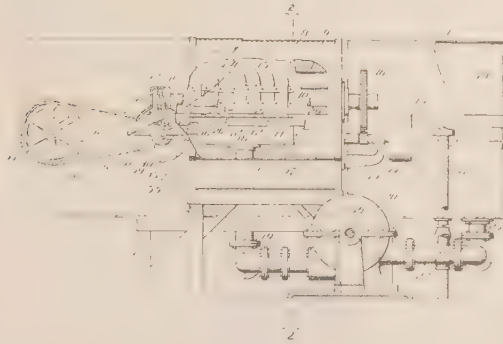
1,406,967. PLASTER BOARD. CHARLES R. BIRDSEY, Hinsdale, Ill., assignor to United States Gypsum Company, Chicago, Ill., a Corporation of Illinois. Original application filed Jan. 2, 1920, Serial No. 348,943. Divided and this application filed Jan. 3, 1921. Serial No. 434,653. 4 Claims. (Cl. 154—45.9.)



1. A plaster board comprising a body, a cover sheet extending over one face of the body and folded over the

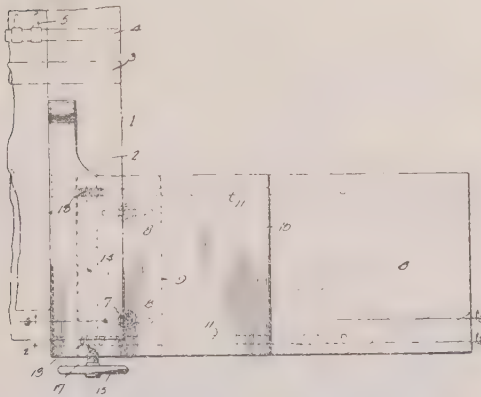
edges onto the opposite side of the body with the edges adjacent each other, and a sealing strip arranged over said body at the junctures of said edges on the interior of the cover sheet.

1,406,968. WASHING MACHINE. GEORGE S. BLAKESLEE, Chicago, Ill. Filed June 5, 1918. Serial No. 238,260. 12 Claims. (Cl. 141-14)



2. A washing machine, comprising a tank, means extending over said tank for supporting the articles to be washed, a nozzle for directing a jet of water upward, means for positioning the article to be washed over said nozzle, means for forcing water through said nozzle, and a paddle wheel at one side of said supporting means for throwing water upon the article to be washed.

1,406,969. FEED TABLE AND GUIDE FOR PAPER-RULING MACHINES. LITTLETON BROOKS BOSWORTH, Albany, Ga. Filed Mar. 26, 1920. Serial No. 369,129. 5 Claims. (Cl. 271-61.)

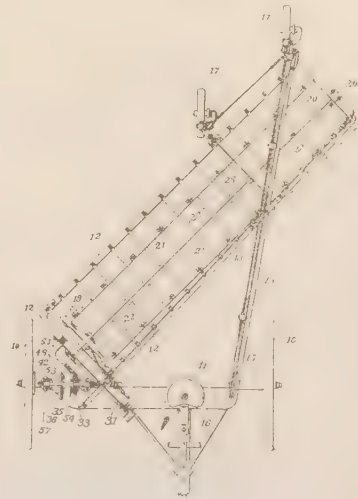


2. A feed table and guide for paper ruling machines, comprising a table, a guide-finger positioned at the end of the table, means for adjusting the guide-finger relatively to the table, and means for clamping the table and finger to a part of a ruling machine.

1,406,970. COMBINED RAKE AND TEDDER. ROBERT R. BOWERS, Ottumwa, Iowa, assignor to The Dain Manufacturing Company of Iowa, Ottumwa, Iowa, a Corporation of Iowa. Filed Mar. 12, 1920. Serial No. 365,166. 26 Claims. (Cl. 56-377.)

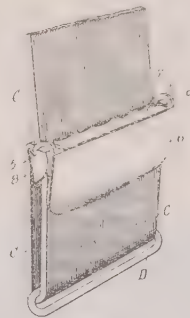
1. In a side-delivery rotary-rake, the combination of a wheeled support comprising a rotating axle, a diagonally-arranged frame in rear of said wheeled support and connected therewith, a rotatable reel in said frame comprising a shaft, two driving gears on said axle, two driven

gears connected together and supported from said frame and in constant mesh with said driving gears, respectively.



means for alternately clutching said driving gears to the axle, and other gear devices connecting the reel-shaft with said driven gears.

1,406,971. BUCKLE. CHARLES E. BRADSHAW, Waterbury, Conn, assignor to Robert N. Bassett Company, Incorporated, Shelton, Conn., a Corporation of Connecticut. Filed July 17, 1918, Serial No. 245,323. Renewed Dec. 22, 1921. Serial No. 524,298. 7 Claims. (Cl. 24-191.)



6. A sheet metal buckle for running webbing comprising a back having a web-holding lip at its lower extremity and forwardly turned side ears the top edges of which are provided with inwardly projecting trunnions disposed in a plane substantially at right angles with the front face of the back, and a lever member having rearwardly turned side ears which are closely embraced by the side ears on the back and provided with apertures in which the trunnions are journaled and a shelf which swings through the axis of said trunnions during the movement between the lever and back, the said shelf being cut away at its extremities to make room for the inwardly projecting trunnions on the back.

1,406,972. LADDER. FREDERIC J. BRYANT, New York, N. Y. Filed July 5, 1918. Serial No. 243,328. 18 Claims. (Cl. 228-40.)

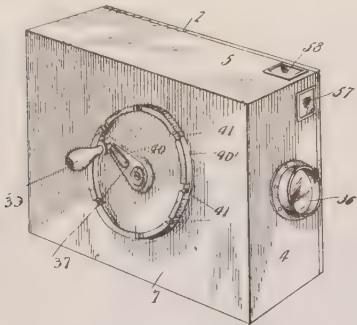
1. A flexible ladder comprising a pair of chains, non-metallic rungs of light weight material having hand-hold

portions of relatively large diameter and reduced ends to engage in opposite links of said chains, and means for



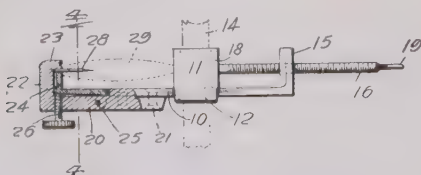
effecting rigid joints between said rung ends and their engaging links.

1,406,973. CAMERA. CLARK E. CARTER, Montreal, Quebec, Canada. Filed Dec. 6, 1919. Serial No. 343,008. 4 Claims. (Cl. 88—17.)



1. A camera of the character described comprising a casing, means for supporting and winding a strip of film within said casing, said winding mechanism comprising a sprocket wheel, a lever arranged exteriorly of said casing and connected to said sprocket wheel, said lever having a pivotally supported handle, and means whereby when said handle is in one position, the film winding mechanism may be set in motion for taking a continuous strip of pictures, and means whereby when said lever is moved to another position, single pictures may be taken upon said strip of film.

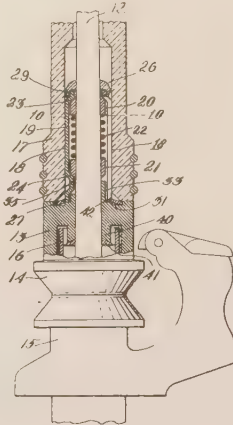
1,406,974. STAPLE-SETTING DEVICE. KIT CARSON CHAMBERLAIN, Houston, Tex. Filed July 2, 1921. Serial No. 482,209. 3 Claims. (Cl. 1—50.)



3. A staple setting device comprising a plate having a slit in one side forming a bifurcation, a staple clamp

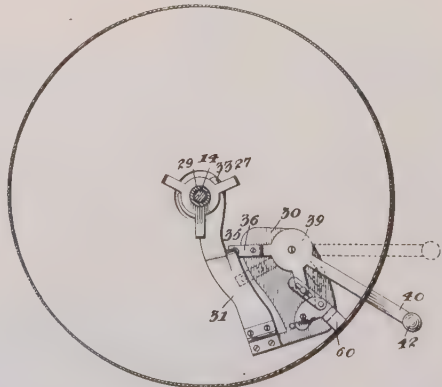
at the opposite side of the plate in alignment with the bifurcation, a slide mounted upon the plate having extremities turned as flanges about the edges of the plate and having a working face normally perpendicular to the bifurcation, and screws carried by the plate upon opposite sides of the bifurcation bearing against the slide adjacent its opposite ends.

1,406,975. SPINDLE. FRED H. CHAPMAN, Pepperell, Mass. Filed July 22, 1920. Serial No. 398,240. 18 Claims. (Cl. 242—44.)



1. A spindle and a clutch combined therewith; said clutch comprising elongated members arranged about the axis of said spindle and each being movable in directions transverse to such axis and prevented from moving around the axis, an expanding sleeve common to all of said members arranged as a wedge to exert outward pressure upon them and to slide lengthwise on the spindle, and constructed with positive pressure applying portions through which such pressure is exerted and by which the movement of all the members away from said axis is made equal, and resilient means exerting force on said sleeve for the purpose set forth.

1,406,976. RECORD LIFTER. JUSTIN A. CLARKE, Vincennes, Ind., assignor of one-third to Thomas E. Benish, Vincennes, Ind. Filed May 13, 1920. Serial No. 381,131. 5 Claims. (Cl. 274—9.)



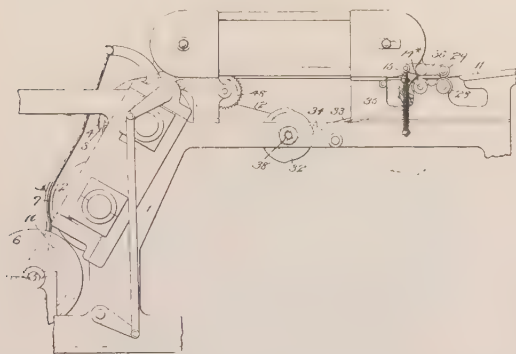
1. In a phonograph of the character described, in combination, a turn-table for the record, a lifting plate adapted to move the record away from the turn-table, a lifting bar, means for transmitting the motion of the lifting bar to the lifting plate, a lifting arm for actuating

said lifting bar, a brake, a control lever carrying said lifting arm, a brake arm carried by said control lever, a link pivotally connected to the brake and provided with an elongated slot, a pin carried by the brake arm operatively received in the slot, all as and for the purposes set forth.

1,406,977. COMPOSITION FOR DETONATORS. RUSSELL M. COOK and BENNETT GROTTA, Tamaqua, Pa., assignors to Atlas Powder Company, Philadelphia, Pa., a Corporation of Delaware. Filed Sept. 25, 1920. Serial No. 412,812. 14 Claims. (Cl. 52—3.)

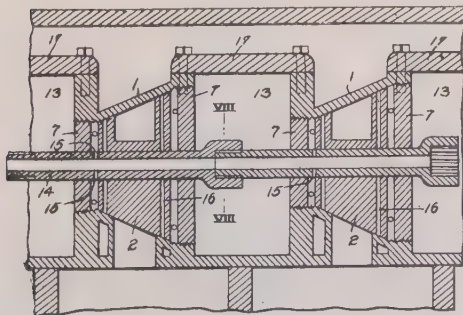
1. A detonator composition consisting of a primary detonating compound and hexanitrodiphenylamine.

1,406,978. SHEET-FEEDING MECHANISM FOR PRINTING PRESSES. CHARLES P. COTTRELL, West-erly, R. I., assignor, by mesne assignments, to C. B. Cottrell & Sons Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 25, 1912. Serial No. 673,441. 38 Claims. (Cl. 271—48)



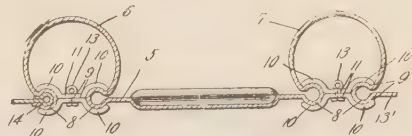
1. A sheet feeding mechanism for printing presses comprising an endless sheet carrier traveling in a partly circular and partly non-circular path having both a sheet stop for end registering the sheet and side grippers for engaging the side edges of the sheet.

1,406,979. VALVE FOR GAS ENGINES. HARRY H. CRAWFORD, Wellsburg, W. Va. Filed June 25, 1920. Serial No. 391,634. 6 Claims. (Cl. 123—59.)



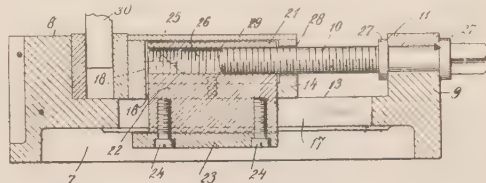
1. In a valve structure a rotary conical valve body and a chest therefor, the said chest provided with a head screw-threaded into the chest wall, a locking member for said head movable with said head, and means for securing said member to said wall at any point within a given range of movement, substantially as described.

1,406,980. METALLIC ROOF. HEZEKIAH H. CRAWFORD, El Paso, Tex. Filed May 5, 1921. Serial No. 466,889. 2 Claims. (Cl. 108—13.)



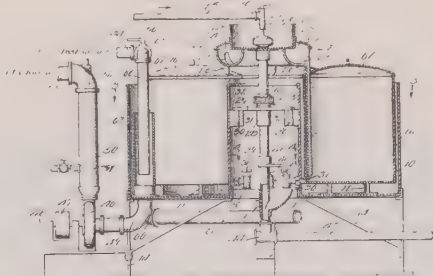
1. In a metallic roof, a plurality of roof sections, each section having a pair of spaced longitudinal ribs, each rib having hollow enlargements, and a key fitted over the enlargements of each rib to secure the walls of the ribs against movement.

1,406,981. VISE. MATTHEW S. CUMNER, New York, N. Y. Filed July 21, 1919. Serial No. 312,407. 17 Claims. (Cl. 81—33.)



1. In a clamp, a base carrying one jaw of the clamp and provided with a longitudinal slot, a jaw slidably engaged on said base and provided with a slot registering with the slot in the base, a connecting block carried by the movable jaw and having a dependent portion extending through the slots in the jaw and base, said block having a lost-motion connection with the jaw and said block and movable jaw having inclined shoulders engaging as the lost-motion is taken up in the jaw closing movement, and jaw closing means operating on said connecting block.

1,406,982. PASTEURIZING HOLDER. WILLIAM J. DAVIS, Chicago, Ill. Filed Apr. 21, 1919, Serial No. 291,682. Renewed Oct. 11, 1920. Serial No. 416,292. 19 Claims. (Cl. 257—208.)

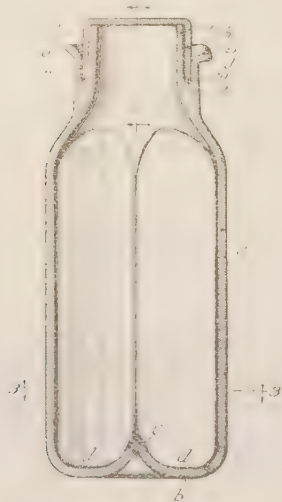


2. In a device of the class described, the combination with a plurality of vats grouped about a common center, of a cock projecting from the bottom of each vat toward said common center, a cock operating shaft extending vertically through said center, means for rotating the shaft, and a common receptacle carried by said shaft and brought successively into register with the cocks.

1,406,983. MILK BOTTLE. WILLIAM J. DAVIS, Chicago, Ill. Filed Aug. 6, 1917, Serial No. 184,552. Renewed Aug. 12, 1921. Serial No. 491,871. 2 Claims. (Cl. 215—33.)

2. A bottle having an elongated, generally cylindrical exterior sealing surface just below its mouth and a nar-

row annular recess in the neck forming the bottom of the sealing surface, and adapted to co-operate with a cap having an elongated interior sealing surface, said bottle having a small, narrow groove extending from the mouth downward in the face of the sealing surface to a point slightly above the lowest point reached by the cap when



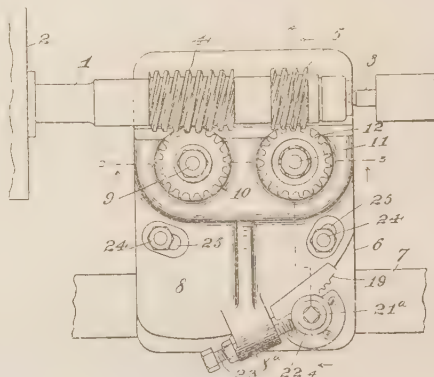
it is in place, and a second small, narrow groove in the outer vertical face of the narrow annular recess likewise extending from the top of said face downward to a point slightly above the lowest point reached by the cap when it is in place, said sealing surfaces engaging each other directly and making air-tight contacts except for the grooves.

1,406,984. SEWING MACHINE. CHARLES M. HORTON, Elizabeth, N. J., assignor to The Singer Manufacturing Company, a Corporation of New Jersey. Filed Sept. 24, 1917. Serial No. 192,861. 33 Claims. (Cl. 112—214.)



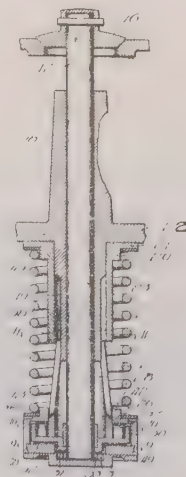
17. In a sewing machine having stitch-forming mechanism including a needle, a feeding mechanism located in rear of the needles and including a lower feed-roll having its axis fixed, an upper feed-roll, means for supporting said upper feed-roll parallel to the lower feed-roll, said supporting means being located to one side of said upper roll and carrying a bearing arranged internally of the same, means for shifting said upper roll and for maintaining it parallel with the lower roll, and means for rotating said upper roll including an articulated shaft carried by the supporting means for the upper roll.

1,406,985. GEAR AND SCREW CUTTING MECHANISM. JAMES P. JOHNSON, Cleveland Heights, Ohio. Filed Mar. 9, 1920. Serial No. 364,411. 5 Claims. (Cl. 90—4.)



1. In mechanism for generating worms, worm-wheels, spiral gears, or screws, the combination of a lathe arbor, a generating pattern threaded member carried on said arbor, a driving spindle mounted in a movable frame provided, said spindle being disposed in right angle relation to the arbor, a driving gear on said spindle in mesh with the pattern member carried on the arbor, a second spindle mounted in the frame parallel with the driving spindle, a train of gears connecting the two spindles, a cutter tool conforming in configuration to the thread to be cut, said tool being carried by the arbor, or the last named spindle, depending on the type to be generated, and a blank to be operated on, carried by the arbor, or the last named spindle according to the mounting of the cutter tool which is fed to the blank through the coaction of the pattern, its companion gear, and the said train of gears.

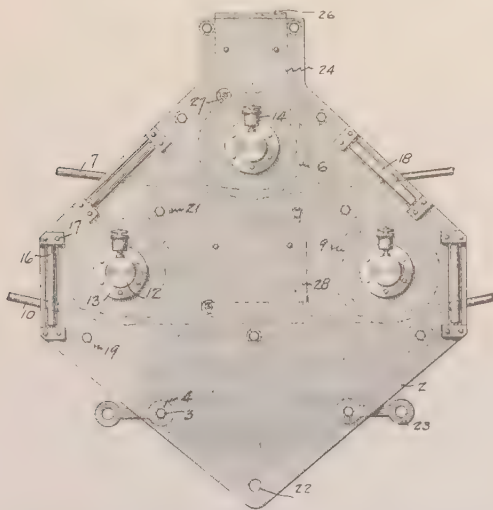
1,406,986. ROTARY VALVE FOR INTERNAL-COMBUSTION ENGINES. JEREMIAH KELLER, Chicago, Ill., assignor to Joseph E. Rosenfeld, Omaha, Nebr. Filed Mar. 17, 1919. Serial No. 283,193. 4 Claims. (Cl. 123—90.)



1. In a device of the class described, the combination with a valve having a downwardly depending stem and a stationary member through which said stem operates, of a pair of cooperating sleeves surrounding the stem and having complementary engaging angular projections whereby relative longitudinal movement between said sleeves results in their relative angular movement, one

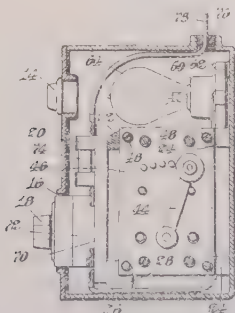
of said sleeves being in engagement with a stationary part, a clutch flange on the lower end of the other sleeve, said clutch flange having a plurality of cam slots, a clutch-cup surrounding said flange, a connection between said cup and the lower end of the valve stem, clutch rollers between the clutch-cup and the clutch flange, springs normally pressing said rollers into locking engagement between the parts, a spring-cup surrounding the clutch-cup and freely movable with respect thereto, a cap closing the lower end of the spring-cup, a spring washer between the clutch-cup and said cap, and a main spring surrounding the parts and occupying a position between the spring-cup and a stationary part, whereby lifting pressure applied to the cap is transmitted through the spring-cup directly to the main spring, and also is transmitted directly to the lower end of the valve stem independently, substantially as described.

1,406,987. CABLEWAY CARRIAGE. DAVENPORT LAWSON, Elk, Calif., assignor to Goodyear Redwood Co., Elk, Calif., a Corporation of Maine. Filed Jan. 27, 1921. Serial No. 440,294. 8 Claims. (Cl. 105—150.)



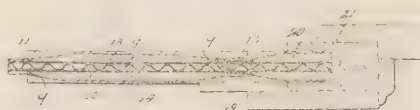
1. A cableway carriage comprising spaced plates, pulleys for engaging the cable disposed between said plates, a lubricant reservoir disposed between said plates above the line of the cable, and means for feeding lubricant from said reservoir to said cable.

1,406,988. MOUNTING FOR ELECTRICAL APPLIANCES. BERNARD S. LEE, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 19, 1920. Serial No. 374,970. 15 Claims. (Cl. 219—48.)



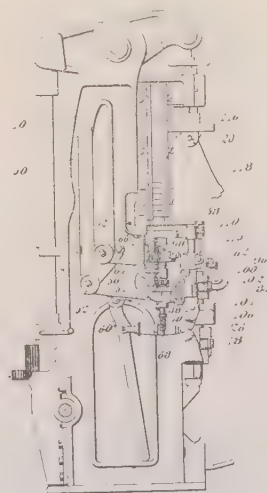
1. A mounting for electrical appliances comprising a housing provided with an internally projecting portion arranged to have secured to it within the housing a rheostat and a switch.

1,406,989. CONCRETE PARTITION. FRED LICHTENBERG and MICHAEL McFARTHY, Yonkers, N. Y. Filed Sept. 18, 1920. Serial No. 411,163. 17 Claims. (Cl. 72—42.)



1. A slab for partitions constructed of cementitious material, a reinforcing element consisting of two layers of wire fabric embedded in the slab having the bent edge projecting beyond one edge of the slab and the terminal edges of the reinforcing element projecting beyond the opposite edge of the slab, and a piece of fibrous material intermediate the opposite face portions of the slab and between said layers of reinforcing fabric to create a dead air space.

1,406,990. HEEL-ATTACHING MACHINE. THOMAS LUND, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 19, 1918. Serial No. 258,848. 28 Claims. (Cl. 1—32.)

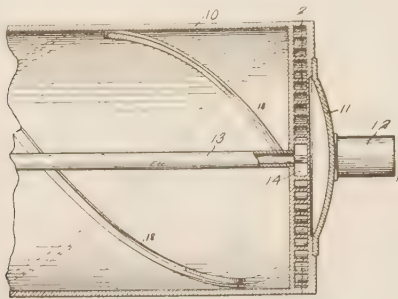


1. A heel attaching machine having, in combination, a shoe support, power actuated mechanism for attaching a heel to a shoe sustained upon said support, power actuated means constructed and arranged to bring nails to the attaching mechanism, and means under the control of said attaching mechanism for effecting the actuation of said means.

1,406,991. ROTARY DRIER. ALFRED MacKAY, Philadelphia, Pa., assignor to George B. Ferrier, Moorestown, N. J. Filed June 3, 1920. Serial No. 386,212. 4 Claims. (Cl. 34—4.)

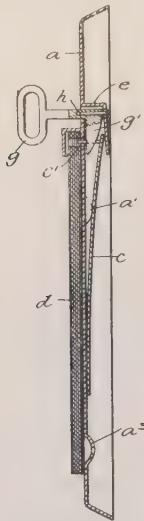
4. In a steam-heated rotary cylinder, means for removing the water of condensation, comprising a plurality of chambers for leading the water from the periphery to the center of the cylinder, each chamber having an opening adjacent the periphery and an opening adjacent the

axis of the cylinder, a common chamber into which said last mentioned openings discharge, and means carried by



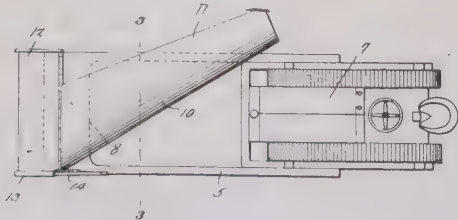
the inner periphery of the cylinder to guide the water into said first mentioned openings.

1,406,992. CLAMP OR HOLDER FOR WRITING PADS OR BLOCKS. FRIEDRICH MARTENS, Hamburg, Germany, assignor, by mesne assignments, to The Chemical Foundation, Inc., a Corporation of Delaware. Filed Nov. 1, 1917. Serial No. 199,798. 1 Claim. (Cl. 129—23.)



A pad holder comprising a base plate having apertures, a clamping head mounted on said plate and adapted to engage a pad, a spring tongue secured below said plate, and pins on said tongue that are adapted to be projected through said apertures into engagement with said pad.

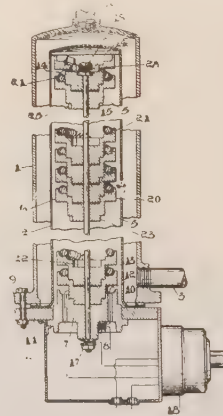
1,406,993. SNOWPLOW. ROBERT E. MCCONLEY, Whitcomb, Wis. Filed Dec. 18, 1920. Serial No. 431,626. 1 Claim. (Cl. 37—57.)



A snow plow, spaced runners connected at their forward ends, a mold board having connection with the

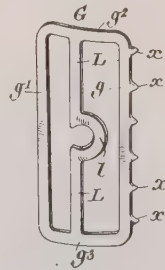
runners and extending upwardly and outwardly therefrom, said mold board being of a width to extend across the entire width of the forward portions of the runners, said mold board being disposed at an angle with respect to the runners, a scoop member pivotally connected with the runners adjacent to the forward ends thereof, said scoop members extending across the forward ends of the runners, an operating lever having connection with the scoop for adjusting the same and holding the same against movement, and the runners being constructed to receive a power device therebetween.

1,406,994. ELECTRIC WATER HEATER. FREDERICK W. MOFFAT, Weston, Ontario, Canada. Filed Apr. 27, 1921. Serial No. 464,848. 9 Claims. (Cl. 219—38.)



1. A support of insulating material for an electric heating element comprising a hub and a helical rib formed on its periphery for supporting a resistance wire, said rib forming not more than a complete turn about the hub so that the heating element may be axially laid in position against an axially directed surface of the rib.

1,406,995. GARTER. ROSWELL A. MOORE, Waterbury, Conn., assignor to George Frost Company, Boston, Mass. Filed June 3, 1921. Serial No. 474,601. 2 Claims. (Cl. 24—225.)

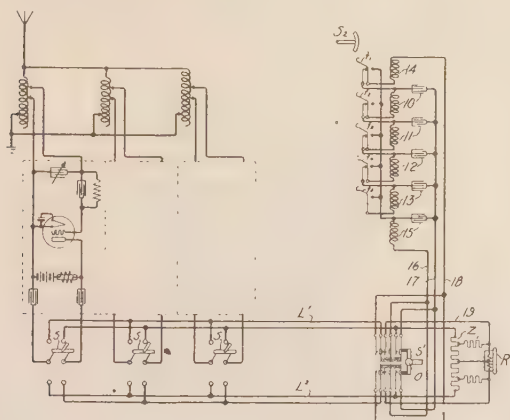


1. An eye member of a hook-and-eye fastener, consisting of a frame having front and rear frame bars connected by end bars which are in turn connected by a cross-piece formed with an eye, one of said longer frame bars being formed on its outer edge with teeth adapted to engage a fabric.

1,406,996. ELECTRIC-WAVE-RANGING SYSTEM. JOSEPH B. MORRILL, St. Louis, Mo., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 30, 1920. Serial No. 413,874. 19 Claims. (Cl. 250—2.)

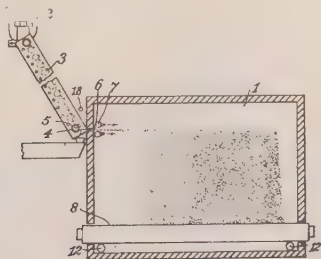
1. The method of determining the position of a body with respect to three fixed points which comprises ascer-

taining the differences in length with respect to a given electrical wave length, of the direct paths from said



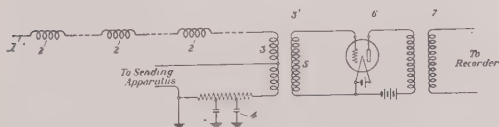
body to said points and calculating therefrom the desired position.

1,406,997. APPARATUS FOR EVAPORATING LIQUIDS. PHILIPP MÜLLER, Leipzig, Germany, assignor, by mesne assignments, to The Chemical Foundation, Inc., a Corporation of Delaware. Original application filed Aug. 26, 1913, Serial No. 786,773. Divided and this application filed Dec. 7, 1914. Serial No. 876,001. 3 Claims. (Cl. 127—9.)



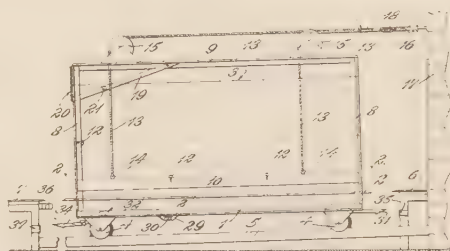
2. An apparatus for drying liquids which comprises a drying chamber provided with a feed opening, a feed wall located outside of said chamber, means for propelling the substance to be dried in finely divided condition from said wall into said chamber, and means for bringing a drying medium into contact with said substance.

1,406,998. SIGNALING SYSTEM. HAROLD S. OSBORNE, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 21, 1918. Serial No. 241,246. 1 Claim. (Cl. 178—44.)



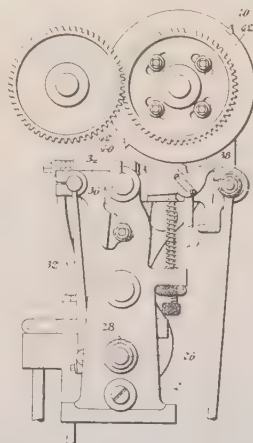
A method of improving the efficiency of transmission in circuits of normally great distortion which consists in introducing inductance into the line to preserve the wave form of the impulses without substantial current loss at low signalling speeds, increasing the speed of the signal impulses to take advantage of the improved wave form at the expense of current strength and compensating the loss due to the high speed signals by amplifying the faint received impulses without substantial alteration of wave form.

1,406,999. ICE-MARKING MACHINE. RICHARD M. PENNING, Clayton, Mo. Filed Dec. 20, 1920. Serial No. 432,024. 11 Claims. (Cl. 125—1.)



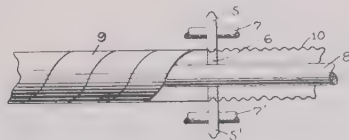
9. A carriage adapted to receive a block of ice and discharge it later, means for holding such block of ice thereon, cutters arranged to move across the face of such block of ice to mark grooves therein, and other cutters arranged on said carriage to mark additional grooves in said block of ice as it leaves said carriage.

1,407,000. FASTENING-INSERTING MACHINE. FRED RICKS and ALBERT AMOS ASTON, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 17, 1920. Serial No. 381,894. 24 Claims. (Cl. 1—26.)



1. In a machine of the class described, fastening inserting mechanism comprising elements movable relatively to each other to permit fastening stock to be introduced between them and to sever individual fastenings therefrom, means for operating said elements, and operator-controlled mechanism arranged to locate the elements while the machine is at rest in the relative positions occupied by them at the completion of a severing operation.

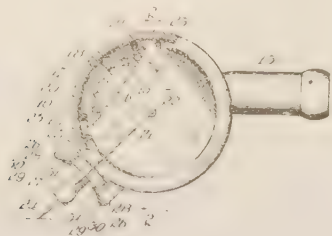
1,407,001. MANUFACTURE OF FLEXIBLE METAL HOSE. EDMUND SCHRÖDER, Berlin, Germany, assignor, by mesne assignments, to The Chemical Foundation, Inc., a Corporation of Delaware. Filed Jan. 13, 1917. Serial No. 142,233. 6 Claims. (Cl. 113—33.)



1. The method of manufacturing flexible metal hose, consisting in spirally winding a smooth metal band,

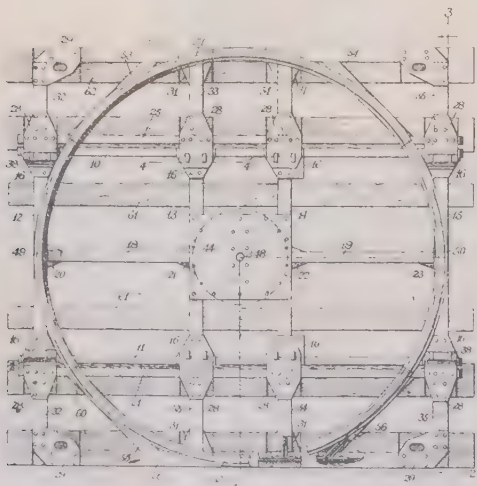
uniting the overlapping edges of the band by electric welding so as to form the band into a tube, and providing the thus produced tube with a profile adapted to render it flexible.

- 1,407,002. SOUND REPRODUCER. CLIFFORD R. SHAW, Chicago, Ill. Filed July 8, 1918. Serial No. 243,739. 2 Claims. (Cl. 274—27.)



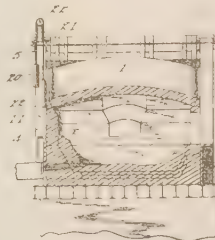
1. A sound reproducer, comprising a shell or casing, the back whereof is provided with a central outlet and with a plurality of bosses arranged in spaced relation intermediate of said central outlet and the side wall of the shell or casing, an auxiliary diaphragm disposed on said bosses and provided with a plurality of apertures arranged circumferentially in proximity to the periphery of said diaphragm, a flexible diaphragm disposed in said shell forward of the auxiliary diaphragm, and resilient means disposed intermediate of the auxiliary diaphragm and the flexible diaphragm and intermediate of the latter and the front portion of the shell or casing whereby both diaphragms are maintained in spaced relation with each other.

- 1,407,003. BED SILL FOR PILE DRIVERS. HERMAN R. SMITH, Brooklyn, N. Y., assignor to Raymond Concrete Pile Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 25, 1921. Serial No. 455,561. 7 Claims. (Cl. 104—45.)



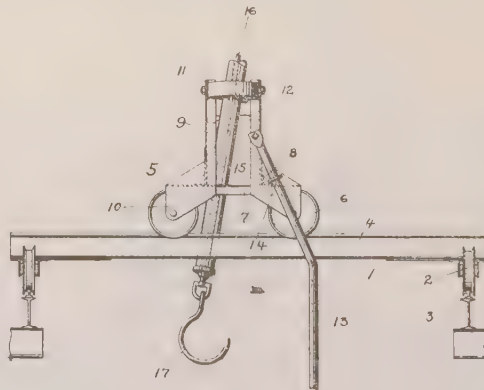
1. A bed sill for pile drivers, comprising a plurality of bed sill sections arranged edge to edge in the same plane, cooperating locking devices at the adjoining edges to secure the sections releasably together, and a rail circle composed of arc-shaped rail sections abutting end to end and secured on the respective bed sill sections.

- 1,407,004. OPEN-HEARTH FURNACE. WILLIAM H. SOMMER, Peoria, Ill., assignor, by mesne assignments, to The Union Trust Company, Cleveland, Ohio, a Corporation of Ohio, and John A. Chapman, Chicago, Ill., trustees. Filed Mar. 5, 1919. Serial No. 280,788. 15 Claims. (Cl. 263—50.)



1. In combination with an open hearth furnace having spaced sets of "buck-stays," walls interlocked with said sets of "buck-stays," and shields movably supported between said sets of "buck-stays."

- 1,407,005. HOIST CRANE. JOHN SOMMER, Peoria, Ill., assignor, by mesne assignments, to The Union Trust Company, Cleveland, Ohio, a Corporation of Ohio, and John A. Chapman, Chicago, Ill., trustees. Filed June 7, 1920. Serial No. 387,010. 2 Claims. (Cl. 212—138.)

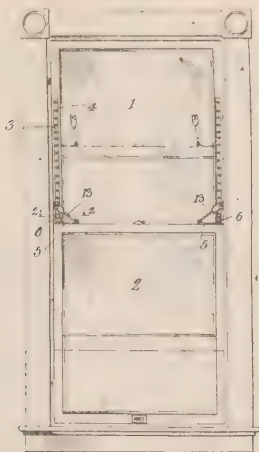


1. In an apparatus of the character described, in combination, a wheeled truck including a pair of rails, a hoist carriage, wheels supporting said carriage and movable on said rails, said carriage including an upstanding skeleton frame work, an annular ring provided with diametrically opposed and internally arranged open trunnion bearings, means pivotally connecting said ring, at points at right angles to said bearings to and within said frame work at the upper end thereof, and elongated hoisting member disposed in an upright position through the frame work of said carriage and down between said rails, a two part clamp secured about said hoisting member provided with diametrically disposed trunnions adapted to have a removable bearing relation in the bearings of said ring, and a handle bar secured to said frame work and depending therefrom and alongside of said truck, for moving the hoisting carriage on said rails and for moving said truck and carriage.

- 1,407,006. WINDOW-SASH FASTENER FOR LOCKING WINDOWS IN PARTIALLY-OPEN POSITION. WILLIAM F. STAGGERS, Mannington, W. Va. Filed Mar. 12, 1921. Serial No. 451,673. 6 Claims. (Cl. 292—44.)

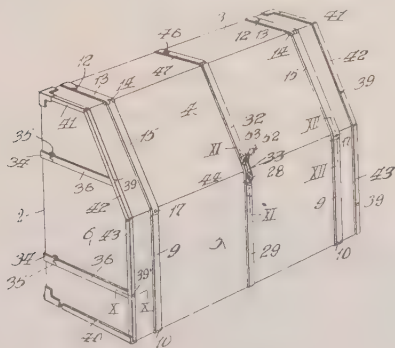
1. In a window sash fastener, the combination of a plate affixed to the top of the horizontal strip of the lower sash, a spring controlled latch hingedly mounted

on said plate, a vertical plate attached to the upper sash with which said latch may be releasably engaged at any of a series of perforations in said strip, a roller exceeding in diameter the projection on the pivoted latch member,



and a bail mounted on said latch member and carrying said roller, said bail being suitably positioned and of sufficient length to permit of swinging the roller past the locking projection of the pivoted latch element.

1,407,007. FOLDABLE CLOSURE FOR PIANOS. FRANK M. STEUTERMAN, St. Louis, Mo. Filed Jan. 31, 1919. Serial No. 274,174. 2 Claims. (Cl. 217—15.)



1. A foldable piano closure comprising a rear wall, a pair of end walls swingingly connected to said rear wall, a foldable upper front wall, a top wall swingingly secured to said rear wall and said front wall, a portable lower front wall, a bottom wall swingingly secured to said rear wall and said lower front wall, a locking member carried by said lower front wall, and means for securing said front walls together, said front walls when secured to each other adapted to hold said other walls in their assembled positions, said rear wall adapted to serve as a base to said other walls when said walls are in folded positions, said locking member of said lower front wall providing means for holding all of said walls together in their folded positions.

1,407,008. SEALING DEVICE FOR JARS. BURT E. TAYLOR, Mount Vernon, N. Y., assignor of one-third to S. Frederic Taylor, New York, N. Y., and one-third to William H. Howard, Port Chester, N. Y. Filed Apr. 25, 1919. Serial No. 292,555. 3 Claims. (Cl. 215—56.)

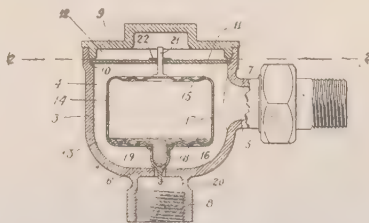
1. In combination with a cover or top for jars, having an opening therethrough, a valve consisting of a yieldable

pad to cover said opening, and a stem to enter said opening together with means to force the pad firmly against the



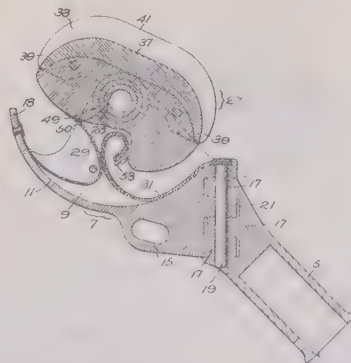
said cover or top, said valve and cover being arranged to be removed from said cover simultaneously.

1,407,009. STEAM TRAP. FRANKLIN W. WANDLESS, Berwyn, Pa., assignor to Orson W. Brenizer, Philadelphia, Pa. Filed Dec. 6, 1920. Serial No. 428,451. 2 Claims. (Cl. 236—58.)



1. In a trap, a body portion enclosing a chamber and having an outlet opening in the bottom thereof provided with a valve seat and having an inlet opening therein above said outlet opening, an expansible and contractible float in said chamber, a valve carried by said float and adapted to close said outlet opening, a part carried by the casing above the float and having an aperture therein, a stem connected to the float and extending upwardly therefrom and through said aperture, and a collar on said stem adapted to engage said part and support said float and said valve in a position with said valve out of contact with said seat when said float is in normal condition.

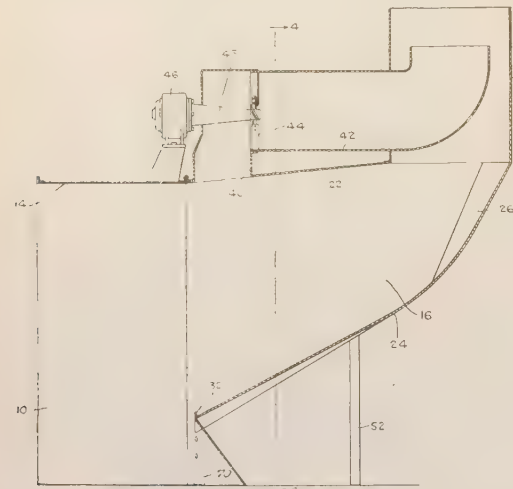
1,407,010. CURRENT COLLECTOR. JOHN L. WHITTAKER, Winthrop, Mass., assignor to Miller Trolley Shoe Company, Boston, Mass., a Corporation of Massachusetts. Filed July 11, 1917. Serial No. 179,974. 7 Claims. (Cl. 191—59.1.)



2. An overhead device of the class described comprising a shoe of general T section including a grooved member for sliding contact with the trolley wire and a central longitudinal web beneath said member, a

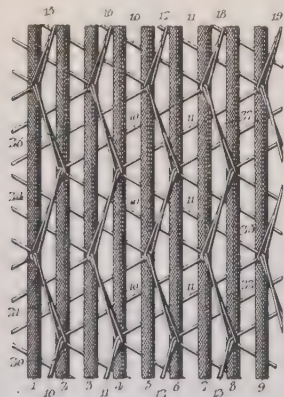
forked harp, a pivot member extending across said fork and having its ends bearing in the arms thereof and terminating substantially flush with the outer faces thereof, said web being journaled on the pivot member.

- 1,407,011. VARNISH BOOTH. BERT D. WOLF, Minneapolis, Minn. Filed Mar. 11, 1921. Serial No. 451,604. 2 Claims. (Cl. 91—60.)



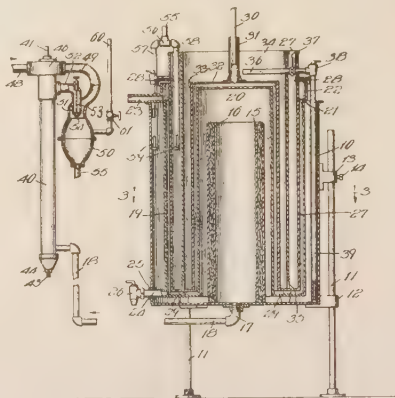
1. A varnish booth comprising a boxlike structure for receiving articles to be varnished or coated, a chamber connected with said boxlike structure and having a rearwardly and upwardly extending troughlike bottom wall, a stack extending upwardly from the rear of said chamber, a flue extending from the front of the booth into said stack, and means for inducing a current of air through said flue discharging into said stack.

- 1,407,012. REENFORCING FABRIC FOR VEHICLE TIRES. THOMAS BRANSON, Philadelphia, Pa., assignor to Sibson & Stern, Inc., a Corporation of Pennsylvania. Filed Dec. 24, 1920. Serial No. 433,062. 2 Claims. (Cl. 66—4.)



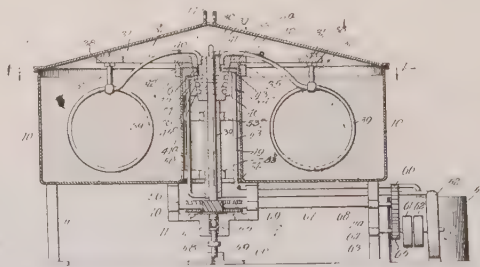
1. A textile structure of the character described including in combination, a series of cords extending longitudinally of the fabric, and a ground work in which said cords are inlaid, said ground work comprising a series of comparatively light binder threads interknit to form, in alternation with the cords, a series of coextensive loop chains appearing on the face of the fabric structure, the binder threads, in order to form loops in remote loop chains, being zigzagged crosswise at the back of the fabric to embrace the group of cords in the interval, and the fields comprehended by the zigzagging of the several binder threads, arranged to overlap, so that one group of the cords is bound unto the next.

- 1,407,013. TEMPERATURE-CHANGING APPARATUS. WILLIAM J. DAVIS, Chicago, Ill. Filed Jan. 14, 1920. Serial No. 351,336. 22 Claims. (Cl. 257—243.)



2. In a device of the class described, the combination of an outer tank shell having a water outlet at the bottom thereof and a sleeve projecting upward from the bottom thereof around said outlet to elongate the path of the water therethrough, of an intermediate shell adapted to be placed in the outer shell and having a milk outlet near the top thereof, an inner shell having a milk inlet to the annular space between it and the intermediate shell, said inner shell having a sleeve projecting upward from the bottom thereof to elongate the path of the water therethrough, and means for continuously supplying temperature changing liquid to the upper part of the two annular temperature changing liquid spaces formed by the shells on the two sides of the annular space for the milk likewise formed by the shells and for drawing it off from the bottom of the outermost shell.

- 1,407,014. MILK-HANDLING MACHINERY. WILLIAM J. DAVIS, Chicago, Ill. Filed Aug. 16, 1920. Serial No. 403,653. 7 Claims. (Cl. 257—78.)

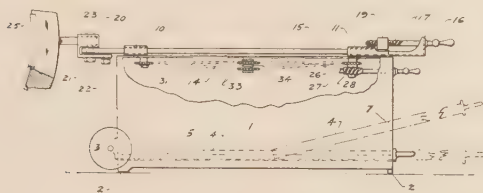


1. An apparatus of the class described, the combination with a vat having a central vertical passage therethrough, of a pipe looped therein to form a tortuous channel within the vat, a frame mounted to rotate above the vat and supporting the pipe, a vertical standard at the side of the vat having an arm at its top extending over the center of the vat, a handle, and reducing gearing from the handle to the standard so that the latter can be raised by turning the handle.

- 1,407,015. PORTABLE LATHE TOOL. CLARENCE A. DE GIERS, New York, N. Y., assignor to Kelly Springfield Tire Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 31, 1921. Serial No. 441,337. 7 Claims. (Cl. 82—4.)

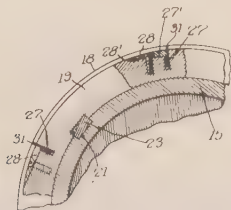
1. A device of the character described, comprising: a mobile base; transverse guides in parallel relation adapted to slidably retain therein tool bar carriages; tool bar

carriages slidable within the guides; flexible driving means associated with the carriages and adapted to move them equally in parallelism; means for imparting linear motion to the carriage driving means; a tool bar slidable



within the carriages; a tool holder on the tool bar having a tool therein; and means on one of said carriages for moving the tool bar longitudinally toward and away from the work.

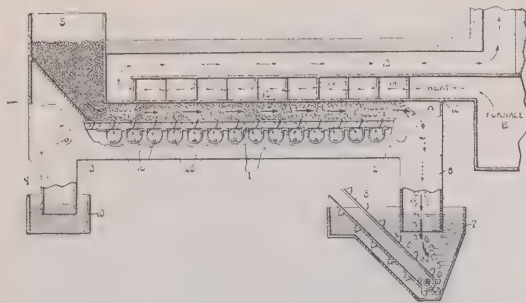
1,407,016. SHEET-CUTTING MACHINE. CHARLES E. DELLENBARGER, Chicago, Ill. Filed Dec. 14, 1918. Serial No. 266,680. 14 Claims. (Cl. 107-22.)



1. A cutting device comprising, in combination, a cylindrical support, a longitudinal slot arranged on the periphery of said support, a longitudinal cutter provided with an enlarged base portion adapted to engage said slot and having a cutting portion projecting from said slot, and a removable retaining means acting on said enlarged portion of the cutter for holding said cutter against radial movement relatively to said cylindrical support.

12. A cutting device comprising, in combination, annular cutters apertured for the passage of longitudinal cutters, and longitudinal cutters provided with thickening strips affixed thereto whereby said longitudinal cutters are prevented from moving relatively to said annular cutters.

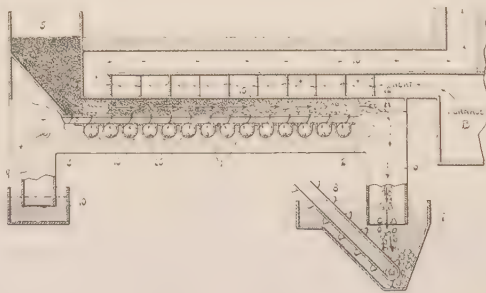
1,407,017. METHOD OF DESTRUCTIVE DISTILLATION. WILLIAM M. DUNCAN, Alton, Ill. Filed Aug. 29, 1918. Serial No. 251,972. 1 Claim. (Cl. 202-8.)



In the art of distilling solid substances, the method of destructive distillation which comprises continually introducing into an air-tight vaporizing chamber a charge of the substances to be distilled, causing the charge to travel continually through said air-tight vaporizing chamber and along the bottom face of the top wall thereof, continually transmitting a heating fluid along said top wall in a general direction opposite to the direction of

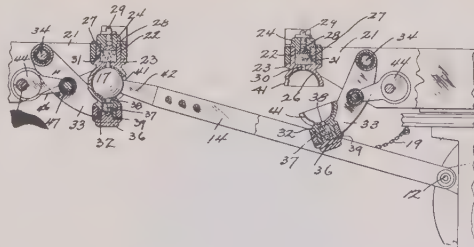
travel of the charge, thereby maintaining different portions of said wall at different temperatures to provide high, low and intermediate temperature zones in said air-tight vaporizing chamber and at the same time transmitting the charge from the low temperature zone, through the intermediate temperature zone and thence through the high temperature zone; drawing the resultant vapors downwardly from the bottom of said traveling charge without passing them from one of said zones to another, separately collecting the vapors at the different temperature zones so as to separate the vapors of each zone from the vapors at the other zones, and condensing the vapors.

1,407,018. APPARATUS FOR DISTILLING SUBSTANCES. WILLIAM M. DUNCAN, Alton, Ill. Filed Aug. 29, 1918. Serial No. 251,973. 7 Claims. (Cl. 202-9.)



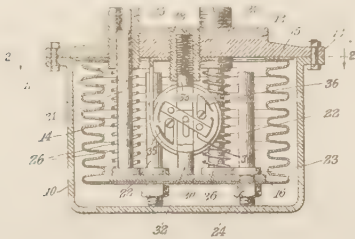
7. In an apparatus for distilling solid substances, a retort provided with a vaporizing chamber having an inlet for the admission of the charge and an outlet for the discharge of residual products, an endless traveling conveyor whereby the charge is advanced from said inlet to said outlet, heating means whereby progressively varying temperature zones are maintained in said retort, said heating means including a flue having a heat-radiating wall exposed to the charge and a series of baffle walls whereby the heating medium is retarded and deflected in a tortuous course on said heat-radiating wall, a plurality of non-intercommunicating vapor conductors each having an intake substantially coextensive with the width of said vaporizing chamber, each of said intakes being open immediately adjacent the charge, whereby each of said conductors is placed in communication with only one of said temperature zones.

1,407,019. COUPLING FOR VEHICLES. ROLLIE B. PAGEOL, Oakland, Calif. Filed May 26, 1919. Serial No. 299,879. 11 Claims. (Cl. 213-67.)



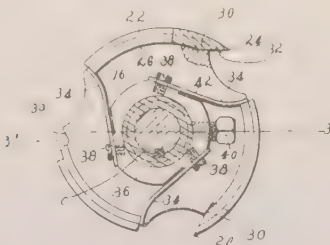
1. A coupling for connecting vehicles together comprising a link attached to one of the vehicles, sectional means having pivot studs, for journaling one end of said link on the other of said vehicles whereby said link is universally movable with respect to said other vehicle, and means for withdrawing a section of said journaling means to free said link from said other vehicle.

- 1,407,020. THERMOSTATIC SWITCH. BERNARD M. FINE, East Orange, N. J., assignor to Wilford J. Hawkins, Montclair, N. J. Filed Dec. 18, 1919. Serial No. 345,732. 9 Claims. (Cl. 200—140.)



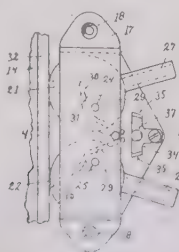
1. A thermostatic switch comprising a cover, an expandible metallic bellows having a closed end and an open end with its open end affixed to the cover, a casing surrounding but spaced from the expandible metallic bellows forming a closed chamber outside of the expandible metallic bellows, a contact making device mounted within the expandible metallic bellows, and means within the expandible metallic bellows for actuating the contact making device.

- 1,407,021. ROTARY CUTTER HEAD. ALFRED B. FOWLER, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 16, 1919. Serial No. 304,598. 13 Claims. (Cl. 144—226.)



1. A rotary cutter-head comprising a plurality of separate cutting blades, and two cooperative blade-supporting members arranged to clamp the blades, said supporting members and the blades having cooperative formations arranged to permit edgewise movement of the blades individually along lines such as to afford radial adjustment of the cutting edges relatively to the axis of the head but to prevent movement of the blades otherwise than as aforesaid, one or both of said blade-supporting members also having formations formed and arranged to act as stops to limit the outward adjusting movement of the blades so as to determine uniformly effective working positions of the latter.

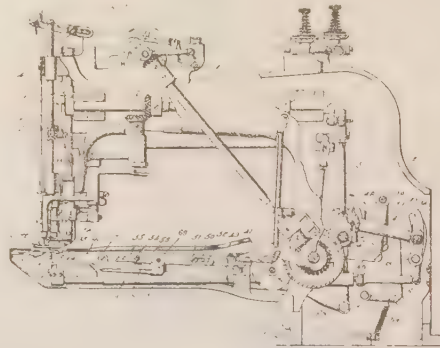
- 1,407,022. WINDOW-SASH FASTENER. HARRY FOX, Cincinnati, Ohio. Filed May 1, 1920. Serial No. 378,105. 2 Claims. (Cl. 292—54.)



1. A sash fastener comprising a frame, a pair of spring-actuated fastening members eccentrically pivoted on said

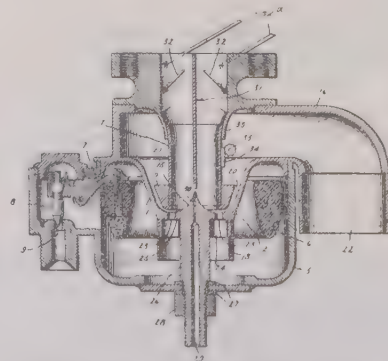
frame, each member having a handle extension, and a spring latch mounted on the frame between said handles and having a pair of projections each of which is engageable with one of the handles to hold the fastening members in released position.

- 1,407,023. DIFFERENTIAL FEEDING MECHANISM FOR SEWING MACHINES. GEORGE S. GATCHELL, Roselle Park, N. J., assignor to The Singer Manufacturing Company, a Corporation of New Jersey. Original application filed Aug. 10, 1917. Serial No. 185,446. Divided and this application filed Mar. 18, 1918. Serial No. 223,111. 7 Claims. (Cl. 112—209.)



7. A sewing machine including in combination a work-supporting arm, a main feed-dog and an auxiliary feed-dog disposed at one end of said work-supporting arm, a feed-bar extending lengthwise of the arm and carrying said main feed-dog, a feed-bar extending lengthwise of the arm and carrying said auxiliary feed-dog, means for raising and lowering the feed-bars, means for imparting backward and forward movements to said bars including a rocking frame at the opposite end of the work-supporting arm from the feed-dogs, means connected to an arm on the rocking frame for oscillating the same, an upwardly projecting arm fixed to said rocking frame and having a segmental slot, a link connecting the main feed bar to said arm, said link having an adjustable connection with said slot, a second arm fixed to said rocking frame and having a segmental slot, a link connecting the auxiliary feed-bar to said second arm, said link having an adjustable connection with said slot, and manually operable devices for shifting the link connected with said auxiliary bar whereby the throw of the auxiliary bar may be readily controlled by the operator.

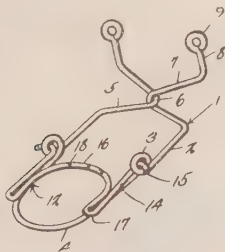
- 1,407,024. CARBURETOR. EMERY G. GILSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 26, 1919. Serial No. 319,980. 2 Claims. (Cl. 261—62.)



1. In a carburetor, a fuel chamber having a top wall which curves inwardly to form a recess, a mixing tube

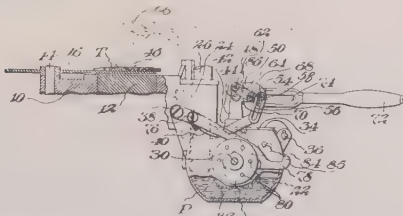
which depends into said recess and forms with the surface of the top wall an annular venturi-shaped air passage, a plurality of thin portions in the wall at the bottom of said recess said portions being provided with orifices through which fuel is fed from the fuel chamber to the mixing tube, said orifices being spaced around the lower end of the mixing tube and located at the throat of the venturi-shaped passage, and means for maintaining a substantially constant level of fuel in the fuel chamber slightly above the plane of said orifices whereby a small supply of fuel will be provided at the throat of the venturi-shaped passage above the orifices for starting.

1,407,025. BROOM HOLDER. JEREMIAH GEESE, Aberdeen, Md. Filed Sept. 23, 1919. Serial No. 325,725. 1 Claim. (Cl. 24—249.)



In a device of the class described, a main member comprising arms united at their forward ends by a convexed jaw, the rear ends of the arms being extended inwardly and being twisted together, the arms being prolonged beyond the point of twisting, and being spaced, and extended upwardly and terminating in support-engaging elements, the arms being bent upon themselves, intermediate their ends, to form upstanding eyes; and an auxiliary member comprising arms provided at their rear ends with elements pivotally engaged with the eyes, the forward ends of the arms of the auxiliary member being united by a concaved jaw cooperating with the convexed jaw of the main member, the auxiliary member being supported on the main member.

1,407,026. APPLYING APPARATUS. HENRY B. GREENOUGH, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 10, 1920. Serial No. 380,239. 17 Claims. (Cl. 91—47.)

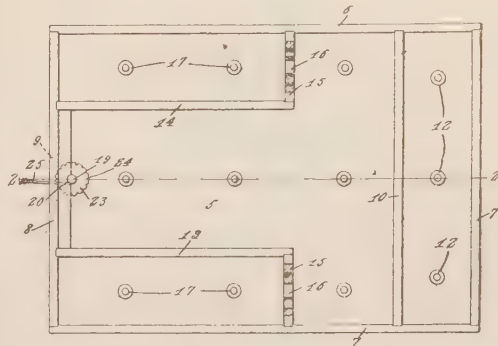


1. In an applying apparatus, a holder for the substance to be applied, and an applying member arranged for movement from a position within the holder in different directions for co-operation with differently placed work.

1,407,027. GAME. JOHN W. HALL, Springfield, Mo., assignor of one-half to Martin V. Ausherman, Springfield, Mo. Filed Sept. 2, 1920. Serial No. 407,680. 1 Claim. (Cl. 46—61.)

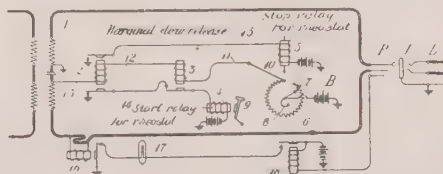
A game apparatus including a game board, partitioning members supported by the game board, each of said partitioning members having openings formed therein and presenting abrupt corners, game pieces supported on the

game board at the rear of the partitioning members and directly opposite the openings, a spinning element including a central body portion having notches formed in the periphery thereof, said spinning element adapted to pass



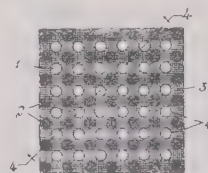
through the openings of the partitioning members and engage the game pieces, and the walls of the notches adapted to engage the corners of the openings of the partitioning members to cause the spinning element to move in an irregular path.

1,407,028. TRANSMISSION-EQUALIZATION ARRANGEMENT. ALFRED U. HARPER, Evanston, Ill., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 2, 1919. Serial No. 327,850. 9 Claims. (Cl. 178—44.)



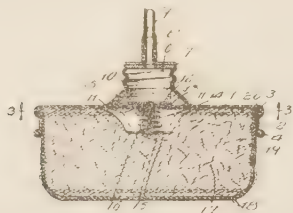
1. In a telephone system, subscribers' telephone lines of differing electrical characteristics, a cord circuit adapted to be connected with said lines, resistance varying means in the current supply circuit of said cord circuit, and a marginal relay included in the current supply circuit of said cord circuit, said marginal relay controlling said resistance varying means and being adjusted to operate with current of a predetermined value.

1,407,029. PHOTOPROCESS SCREEN AND METHOD OF PREPARING SAME. JOSEPH ARTHUR HENRY HATT, New York, N. Y. Filed Oct. 14, 1920. Serial No. 417,011. 6 Claims. (Cl. 95—81.)



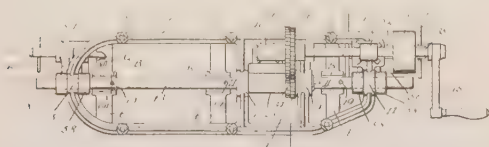
1. A screen comprising a transparent foundation, a coating of translucent material partially but not wholly covering the transparent foundation so as to leave clear transparent spots through said coating and a series of opaque spots located in non-interfering relation with respect to the clear transparent spots.

1,407,030. BATH DEVICE. ALBERT F. HEINE, Quincy, Ill. Filed July 31, 1920. Serial No. 400,440. 3 Claims. (Cl. 15—28.)



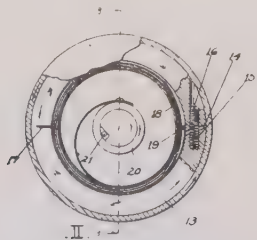
1. A device of the character described, comprising a casing having a water chamber provided with a water inlet and a water outlet, a cleaning pad arranged within the casing and mounted for a yielding movement, said pad in its upper surface having a pocket therein, a slidable valve for controlling the passage of water from the water chamber operable by the pressure of the water in said chamber to close the valve, said valve being mounted for an oscillatory movement, and a spring normally maintaining the same closed, the valve being operated by a movement of said pad when any portion of the surface of the pad encounters resistance.

1,407,031. BORING MACHINE. WILBUR J. HEMPHY, Ottawa, Kans., assignor to Hemphy-Cooper Manufacturing Company, a Corporation of Missouri. Filed Feb. 24, 1919. Serial No. 278,686. 15 Claims. (Cl. 77—2.)



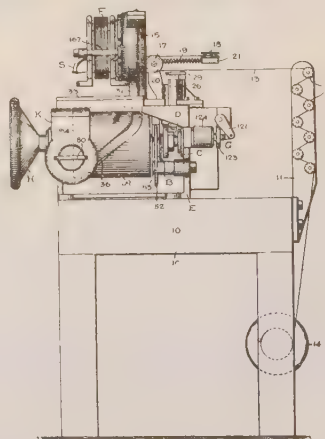
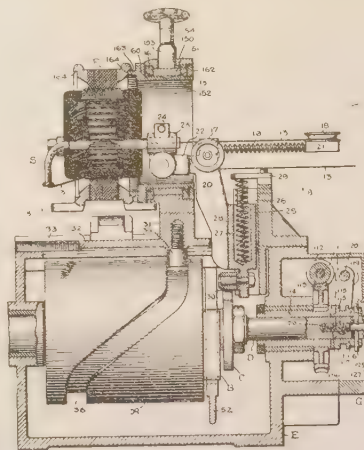
1. In a machine of the character described, means adapted to be secured to a cylinder block, a member arranged to rotate and move longitudinally in said means, a cutting tool carried by said member to bore the crank shaft bearings in the cylinder block, a yieldably-mounted detent carried by said member, and a rotatably internally threaded member engaging said detent to move the member longitudinally with the cutting tool, the internal thread being tapered at one end to throw the detent out of engagement and stop longitudinal movement of the first-mentioned member.

1,407,032. DRIVING MECHANISM. LEONIDAS S. HETH and FRANK CLARE PALMERLEE, Grand Rapids, Mich. Filed Mar. 22, 1919. Serial No. 284,266. 4 Claims. (Cl. 64—99.)



1. In a driving mechanism, the combination with a motor shaft, of a driving friction clutch drum having driving connections to said motor shaft, a split driven friction clutch ring within said drum, an actuating spring for said ring, a driven shaft disposed axially of said drum, a collar on said driven shaft having a driving ratchet connection thereto, and a driving spring disposed within said ring with its inner end secured to said collar and its outer end secured to said ring adjacent the split thereof releasing the clutch when its tension overcomes the actuating spring.

1,407,033. FIELD-WINDING MACHINE. GEORGE C. HUGGINS, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed May 3, 1917. Serial No. 166,150. 16 Claims. (Cl. 242—13.)



1. In a machine for winding wire upon a dynamo electric frame, the combination with driving means, of driven cams for producing three independent principal motions, a winding head and a wire guide actuated by said cams to compound said motions, and a coil registering and stop device controlling said driving means whereby field coils of a desired number of turns are automatically produced in such field frame.

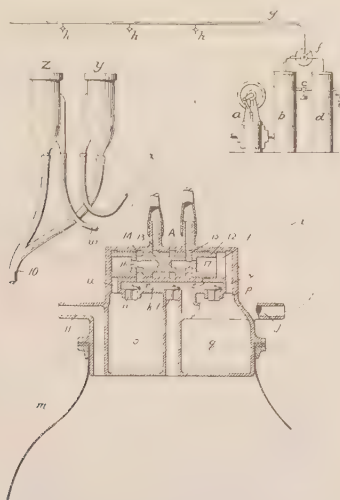
1,407,034. MILKING-MACHINE SYSTEM. JOHN L. HULBERT, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 27, 1920. Serial No. 419,876. 11 Claims. (Cl. 31—101.)

1. In a milking machine system, in combination, a pulsation pipe line, means to cause pneumatic pulsations therein, a set of teat cups, and means operable by said pneumatic pulsations to cause, in the teat cups, pulsations of half the frequency of those in the pulsation pipe line.

3. In a milking machine system, in combination, a teat cup, a pulsation pipe line, means to cause alternate pneumatic waves of different strength therein, a reciprocable pulsator valve adapted to connect the teat cup alternately with pressure and suction, and means to effect a valve movement by waves of one strength and to hold the valve stationary during the alternate waves of different strength.

5. In a milking machine system, in combination, teat cups, a reciprocating pulsator valve adapted, in successive opposite movements, to connect each teat cup alternately

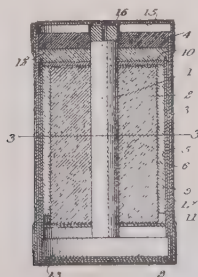
with pressure and suction and at each movement to connect one teat cup with pressure while another is connected with suction, and means comprising primary pneumatic pulsations adapted to shift the valve in opposite directions, hold it stationary at the end of each shift and equalize the dwells at the ends of opposite shifts, thereby equalizing the pressure durations in the several teat cups.



7. In a pneumatic milking machine operating system, in combination, a pipe line, means to cause vacuum waves therein, a milk pail, a set of two-chambered teat cups and a piston valve, means whereby vacuum waves exhaust air from the pail and one chamber of each cup and also operate the valve at half the wave frequency to connect the other chamber of each cup alternately with atmosphere and vacuum.

10. A milking unit comprising a pail, a milk connection on the pail, a valve casing having a valve chamber therein, a valve arranged to reciprocate in said chamber, two vacuum reservoirs, said reservoirs being in communication respectively with opposite ends of the valve chamber, a pneumatic pulsation passage in said casing, check valve controlled ports arranged to permit air to be exhausted from the pail and the reservoirs to said passage, two teat cup chamber connections communicating with the valve chamber, a pneumatic pressure connection to the valve chamber, and ports adapted, in the reciprocation of the valve, to respectively connect opposite ends of the valve chamber with said passage.

1,407,035. ELECTRIC BATTERY. ALTON KARL HUNTER, Clyde, Ohio, assignor to National Carbon Company, Inc., a Corporation of New York. Filed Apr. 13, 1920. Serial No. 373,521. 8 Claims. (Cl. 204—29.)



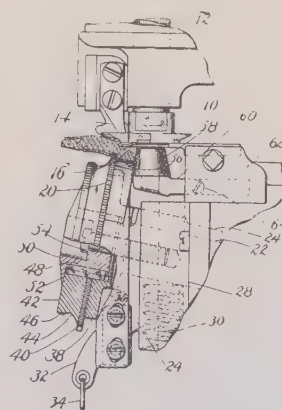
1. In an electric battery of the type described, a combination of a hollow anode having an aperture and an interior insulating lining adapted to be withdrawn through the aperture.

1,407,036. GLASS-PLATE MANUFACTURE. ALBERT A. ICENHOUR, Arlington, Va., assignor to Virginia Plate Glass Corporation, Arlington, Va., a Corporation of Virginia. Filed Apr. 17, 1919. Serial No. 290,680. 4 Claims. (Cl. 49—3.)



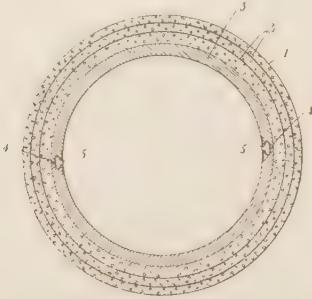
2. In a process of making sheet-glass, drawing the sheet from a molten mass of glass in a container approximately the width of the sheet so that the edges of the sheet at the points of formation of the sheet travel down the interior of the wall of the container during the drawing operation, the container being tapered at opposite sides to cause the adhering edges of the plate to travel in vertical lines down the vertical channels formed by the tapering of the walls of the container.

1,407,037. CHANNEL-OPENING MACHINE. JAMES E. JACKSON, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 5, 1920. Serial No. 371,310. 9 Claims. (Cl. 12—30.)



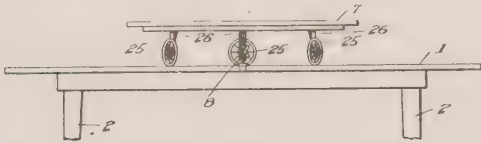
1. A machine for turning the channel lips of soles having, in combination, a rotary wiper, a feed wheel having its axis inclined with respect to the operative plane of said wiper, an edge gage consisting of a roll with its work engaging element at right angles to the axis of rotation of said feed wheel, and a work support provided with a work engaging surface between the feed wheel and the edge gage and perpendicular to the plane of the latter.

1,407,038. PIPE. CHARLES M. MAPES, Rutherford, N. J.
Filed Sept. 14, 1915, Serial No. 50,569. Renewed July
11, 1921. Serial No. 483,768. 8 Claims. (Cl. 72—53.)



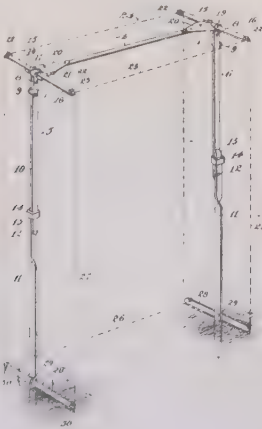
1. As an article of manufacture, a water pipe of reinforced concrete the reinforcements of which are adapted to stretch when the pipe is subjected to its predetermined internal hydrostatic pressure and having a longitudinal opening therein, and means to render said opening waterproof comprising a bent, flexible strip having its edges fixed on each side of said opening and adapted to maintain said opening waterproof despite movement of said sides and edges to or from each other.

1,407,039. TABLE. WILLIAM F. MASON, Los Angeles, Calif. Filed June 17, 1920. Serial No. 389,720. 5 Claims. (Cl. 45—26.)



5. In a table, a table top, a rotatable shelf, a series of rollers mounted on said shelf adapted to bear on said table top for supporting said shelf and maintaining it in a horizontal position, a pivot on said shelf detachably engageable with the table top, and members hinged on said shelf on which said pivot and said rollers are mounted adapted to be disposed to extend along the underside of the shelf or to project at substantially right angles thereto.

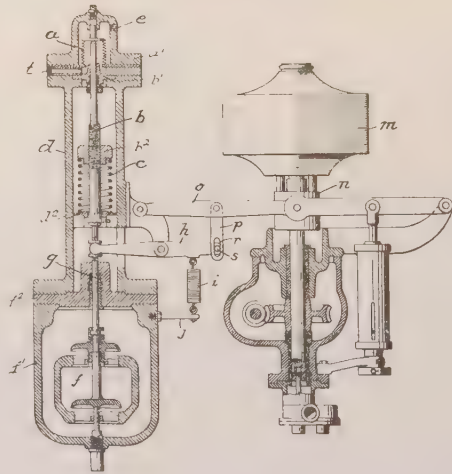
1,407,040. FOLDABLE SUNSHADE FRAME. BERTHA B. MYERS, Los Angeles, Calif. Filed Nov. 6, 1919. Serial No. 336,114. 11 Claims. (Cl. 135—4.)



11. In a foldable sunshade, a cover comprising a top wall, a back wall and side walls, a top bar adapted to ex-

tend lengthwise of the top wall centrally thereof, a standard pivoted to each end of said top bar for supporting same, a pair of arms pivoted to each end of said top bar so as to be adapted to swing in a virtually horizontal plane and to extend on opposite sides of said top bar at the intersection of the cover top and side walls, means for locking said arms in their extended position, means for connecting the cover to each of said arms, a cross arm pivoted on the lower portion of each standard, and means for attaching the outer portion of each of said cross arms to the cover side walls, each of said standards comprising a plurality of pivotally connected sections adapted to be secured in longitudinal alignment with each other.

1,407,041. COMBINED PRESSURE AND SPEED GOVERNOR FOR STEAM-OPERATED PUMPS. ARVID PETERSON, Trenton, N. J., assignor to De Laval Steam Turbine Company, Trenton, N. J., a Corporation of New Jersey. Filed Apr. 5, 1920. Serial No. 371,273. 5 Claims. (Cl. 103—95.)

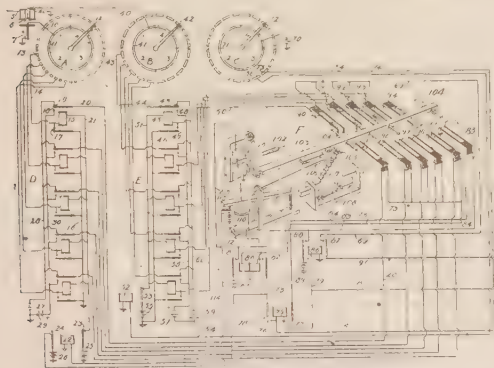


3. A controlling device for pumps comprising a valve casing and a diaphragm casing connected to each other, a valve in the valve casing, a stem on the valve extending through the casing, a lever for actuating the valve connected to said stem, a spring for actuating the valve in one direction, a diaphragm in the diaphragm chamber, a stem arranged to be actuated in one direction by the diaphragm, the diaphragm stem being in alignment with the valve stem, a second spring for actuating the diaphragm stem against the action of the diaphragm and in a direction to permit the valve to be opened by the first spring, and a speed governor connection connected to the valve stem lever, there being lost motion in said speed governor connection to permit the first spring to open the valve if the speed of the engine is below a predetermined limit.

1,407,042. TELEGRAPH SYSTEM. PAUL M. RAINEY, West Hoboken, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 19, 1917. Serial No. 181,573. 19 Claims. (Cl. 178—71.)

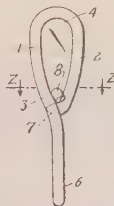
16. In a telegraph system, a plurality of stations, a multiplex synchronous system connecting two of said stations, a start-stop system extending from one of said stations to a distant station, means for transmitting code

combinations of message impulses over said start-stop system, and means for automatically transferring said



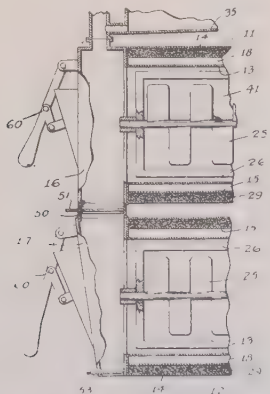
message impulses from said start-stop system to said multiplex system.

1,407,043. CHAIN LINK. MICHAEL B. RYAN, Milford, Conn. Filed Dec. 11, 1917. Serial No. 206,696. 3 Claims. (Cl. 59—90.)



1. A chain link comprising a strand of wire having one end doubled back to form an eye, said end being bent over a fraction of a turn to form a hook with its end lying along the intermediate portion of the strand, the other end being similarly doubled back and bent over a fraction of a turn to form a second eye and to form a hook extending into the eye formed by said first-mentioned hook and interlocking with said first-mentioned hook, and also having its end lying along the intermediate portion of the strand.

1,407,044. ICE-CREAM FREEZER. EMERY THOMPSON, New Rochelle, N. Y. Filed Sept. 24, 1921. Serial No. 503,017. 2 Claims. (Cl. 259—68.)



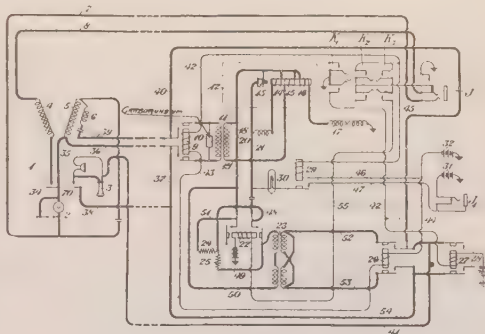
1. An ice-cream freezer comprising two freezing cylinders one above the other with agitating means in each and common means for driving said agitating means, the top cylinder having a cream inlet and each cylinder being closed against egress of the material save for a bottom

outlet, and valves controlling the respective bottom outlets so as to retain the material in each cylinder until a desired time of transfer and discharge, the outlet of the upper cylinder being arranged to discharge into the top of the lower cylinder.

1,407,045. TREATMENT OF ORES CONTAINING OXIDES OF COPPER. EDWIN B. THORNHILL, Hurley, N. Mex. Filed July 2, 1921. Serial No. 482,256. 1 Claim. (Cl. 75—17.)

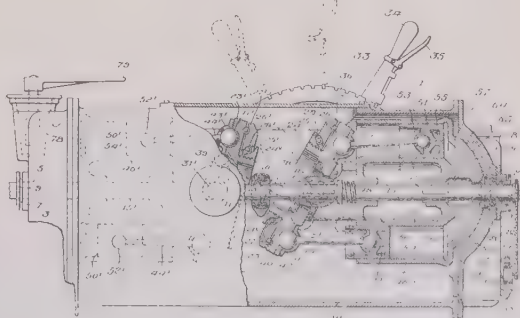
A process of the class described consisting in subjecting copper ore or the like to the action of a solvent such as sulphuric acid to dissolve the metallic oxides, adding to the mixture sponge-iron obtained by reducing iron oxide unmodified by mechanical treatment involving abrasion or comminution after reduction of the oxides, thereby precipitating the metal as a flocculent precipitate and recovering the precipitated metal by flotation.

1,407,046. TELEPHONE APPARATUS. JOHN F. TOOMEY, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 16, 1919. Serial No. 297,452. 3 Claims. (Cl. 179—171.)



1. In a telephone system, a substation including a side tone reduction coil and a receiver circuit, an amplifier associated with said substation, a plurality of switching means, means controlled by each of said switching means for including said amplifier in said receiver circuit, means controlled by each of said switching means for rendering said amplifier operative, and means controlled by one of said switching means for increasing the gain of said amplifier.

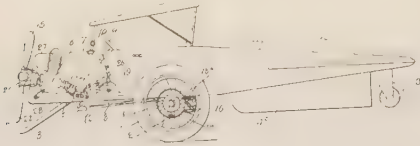
1,407,047. VARIABLE-SPEED CHANGE MECHANISM OF POWER-TRANSMISSION DEVICES. KENNETH M. TROWBRIDGE, Dallas, Ga. Filed Jan. 27, 1919. Serial No. 273,446. 16 Claims. (Cl. 60—53.)



1. In a variable speed change mechanism, the combination of a driven shaft; a driving shaft; a liquid circulat-

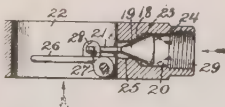
ing system; a pump actuated by the driven shaft and adapted to induce the circulation of the liquid; an engine actuated by the circulation of the liquid and adapted to actuate the driving shaft; a control lever adapted to change the relation of the operative parts of the pump; and a positive mechanical connection between said lever and the engine, actuated by the operation of the control lever and adapted to change the relation of the operative parts of the engine in relation to the adjustment of the pump, said lever and its connection being so related that its operation is adapted to adjust the pump and engine in relation to each other so as to secure an inverse ratio of their production and consumption.

- 1,407,048. AUTOMOBILE DESIGN AND CONSTRUCTION. EDWARD T. TURNER, Dayton, Ohio. Filed Mar. 15, 1920. Serial No. 365,690. 15 Claims. (Cl. 180—1.)



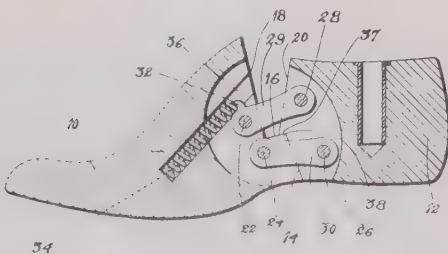
1. In a motor-operated vehicle, the combination, of a supporting axle, parts supported thereby and extending forwardly and rearwardly of the axle and having their greater weight slightly to one side of said axle, whereby most of said parts will be supported by the axle and a support for the other parts when the automobile is at rest, a propeller having adjustable blades for propelling the vehicle and an operating means near the heavier end of the machine for raising that end free of the ground when the automobile is in travel.

- 1,407,049. AIR-INLET DEVICE. VICTOR H. VAN SANT, Newark, N. J. Filed Apr. 6, 1921. Serial No. 458,951. 8 Claims. (Cl. 137—152.)



1. A device of the kind described comprising a casing with a main opening and an air inlet having a valve seat, an element in the main opening adapted to be operated by fluid passing through the opening, a freely movable valve in the inlet, said valve being of conical shape tapering toward the valve seat and having a piston area on its large diameter slightly under the large area of the air inlet, and a stem connecting the element and the valve.

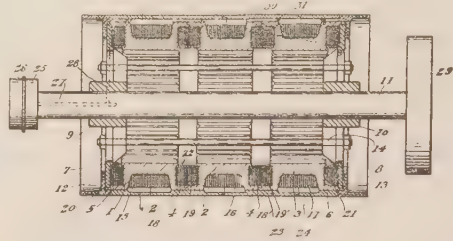
- 1,407,050. LAST. LELAND B. WHIPPLE, Rochester, N. Y., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me., a Corporation of Maine. Filed Aug. 6, 1919. Serial No. 315,645. 1 Claim. (Cl. 12—136.)



A divided last having a cut comprising a re-entrant angle of approximately 90° in the heel part, a corner

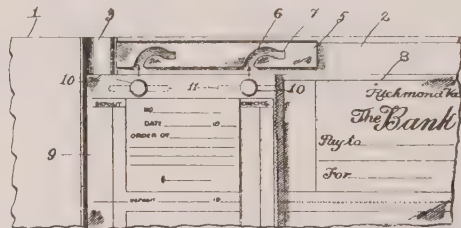
on the forepart, fitting into said angle when the last is extended, and a contract face extending from said corner downward and substantially rearward to the bottom of the last, and two non-parallel links each pivoted in both last parts arranged one above the other, the lower being substantially horizontal, and the upper being inclined downwardly toward the front, constructed and arranged to swing the heel part upwardly and forwardly past the said corner on the forepart to collapsed position.

- 1,407,051. MAGNETIC PULLEY. JOHN P. BETHKE and ROSWELL H. STEARNS, Milwaukee, Wis., assignors to Magnetic Manufacturing Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 22, 1920. Serial No. 353,346. 10 Claims. (Cl. 83—71.)



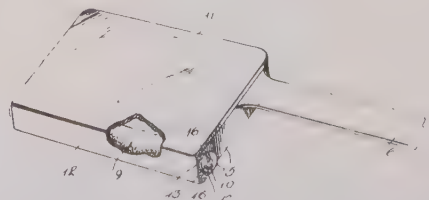
1. A magnetic pulley comprising a hollow magnetic member, an exciting coil upon the exterior of said member, and an exciting winding upon the interior of said pulley, both of said coils being co-axially mounted with respect to said hollow magnetic member.

- 1,407,052. DETACHABLE BOOK COVER. WALTER W. DISMUKES, Nashville, Tenn. Filed Jan. 25, 1921. Serial No. 439,845. 2 Claims. (Cl. 129—25.)



1. A book cover including a front and back member having hinge connection, a plate member secured to the back portion and having one of its edges bent upon itself to form a flange, said flange being provided with spaced slots and a pad provided with pins adapted to be removably arranged within said slots to retain the pad in position between the front and back portions of the cover.

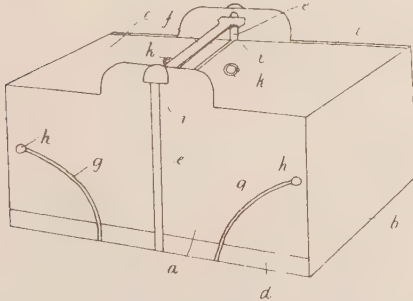
- 1,407,053. CRUMB TRAY. FRANK W. DRISH, Sullivan, Ill. Filed June 7, 1921. Serial No. 475,766. 2 Claims. (Cl. 15—60.)



1. A crumb tray including a tray having forwardly extending arms provided with vertical slots open at their

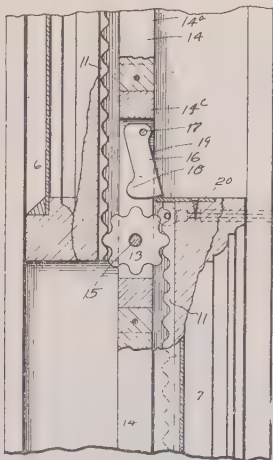
upper ends, a rotatable brush having its ends journaled in the slots, a top wall removably positioned on the tray, a downwardly extending flange extending from the forward edge of the top of the wall and disposed forwardly of the brush, rearwardly disposed extensions carried by the flange and provided with horizontally disposed slots which receive the ends of the brush, and pivoted locking elements carried by the extensions and engaging the ends of the brush to hold the latter against lateral movement.

- 1,407,054. COLLAPSIBLE RECEPTACLE. CATHERINE ISABELLA FARLEY, Exeter, England. Filed May 24, 1921. Serial No. 472,258. 2 Claims. (Cl. 220—6.)



1. In a collapsible receptacle having a base, four sides hinged to said base and adapted to lie flat thereon when in the collapsed position, a flap hinged to two of said opposite sides and adapted to form a cover and means for locking the four sides together when in the erected position, said means for locking the four sides together comprising a slit formed in each of two opposite sides and a movable rod adapted to slide in said slit.

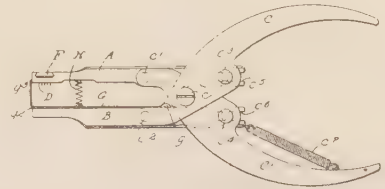
- 1,407,055. WINDOW-SASH OPERATING AND LOCKING MECHANISM. ALBERT R. FERRELL, Chevy Chase, Md. Filed Apr. 20, 1921. Serial No. 462,821. 4 Claims. (Cl. 16—195.)



3. A device of the character described comprising upper and lower sliding sash, racks carried by said sash, a parting strip, a pinion pivoted in said parting strip and engageable with said rack, a casing adapted to be screwed into the window casing adjacent said pinion and having an opening formed in its side, a spring actuated pin in said casing, the spring acting to retract said pin, a second casing adapted to be screwed into the window frame at right angles to the first named casing, a wedge adapted to enter the opening in the side of the first named casing, the last named casing carrying an operating rod for said wedge, said wedge acting to project said pin from its

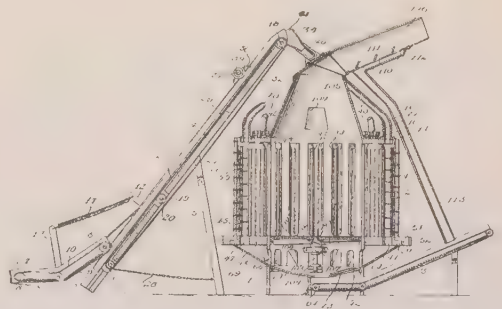
casing and into the path of movement of the teeth of one of said racks to thereby lock the sash against movement.

- 1,407,056. PUNCHING TOOL. LEWIS A. FOOTE, Silver Creek, N. Y. Filed Sept. 28, 1918. Serial No. 256,006. 11 Claims. (Cl. 101—26.)



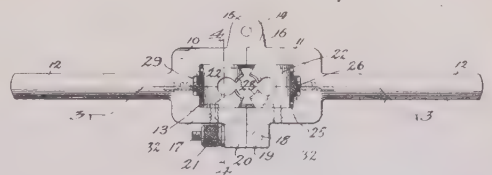
1. A punch comprising, in combination with suitable die and punch members movable one to and from the other, a plurality of perforating pins adapted to be inserted in any one or more of certain fixed positions in the punch member in operative relationship with the die member to vary the mark made, and means operable from outside and without otherwise dismembering the punch member for changeably securing the pins therein.

- 1,407,057. CORN-HUSKING MACHINE. ARNOLD A. FUHLRODT, Wisner, Nebr. Filed Sept. 3, 1921. Serial No. 498,188. 18 Claims. (Cl. 130—5.)



1. The combination of vertically disposed husking mechanism, means for delivering ears of corn endwise to the upper end of said husking mechanism, means for discharging the husks at the top of said husking mechanism, and means for discharging the stripped corn at the bottom of said husking mechanism.

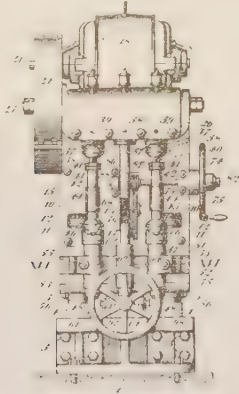
- 1,407,058. DIESTOCK AND TAP WRENCH. JOHN H. FULLMER, Buffalo, N. Y., assignor of one-half to Curtis S. Fullmer, New York, N. Y. Filed Oct. 23, 1919. Serial No. 332,619. 1 Claim. (Cl. 10—125.)



A diestock and tap wrench comprising a body composed of two sections each of which is provided on its outer end with a handle and in its inner end with a recess having opposite parallel longitudinal guide walls, blocks arranged in said recesses and each having opposite longitudinal guide edges engaging with the guide walls of the respective recess, and means for adjusting said blocks lengthwise arranged between the outer end of each block

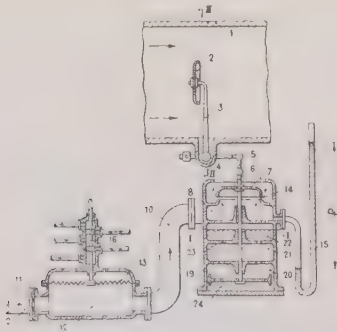
and the adjacent end of the respective recess comprising longitudinal adjusting screws each of which engages its outer end with a threaded opening in the outer end of one of said recesses while its inner end is constructed in the form of a head which engages with the outer end of the adjacent block and projects laterally beyond opposite sides of the respective body section and is accessible to the fingers.

1,407,059. DRILLING MACHINE. HARRY R. GEER, Johnstown, Pa. Filed Mar. 10, 1920. Serial No. 364,630. 12 Claims. (Cl. 77-22.)



1. In a drilling-machine, a stationary base, upwardly projecting pillars mounted therein and provided with threaded portions, a sleeve-nut on each pillar engaging the threaded portion thereof, sleeves surrounding the pillars at each end of said sleeve-nuts, a movable frame attached to said sleeves, drilling mechanism mounted on said frame and means for raising and lowering the same.

1,407,060. DEVICE FOR MEASURING OR CONTROLLING THE VELOCITY OF FLOWING FLUIDS. BENJAMIN GRAEMIGER, Zurich, Switzerland, assignor to Aktiengesellschaft der Maschinenfabriken Escher Wyss & Co., Zurich, Switzerland. Filed Aug. 24, 1918. Serial No. 251,208. 4 Claims. (Cl. 73-1C7.)



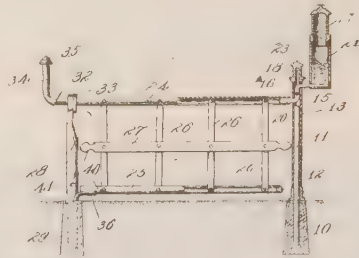
1. In a device for producing in a medium a pressure which is dependent on the velocity of a flowing fluid, the combination with a conduit containing the flowing fluid, a movable resistance member within said conduit and fluid and spaced from the walls of the conduit to permit passage of the fluid past said member under all conditions of operation, an auxiliary pressure chamber having a port leading to the atmosphere, a disc-valve cooperating with said port, means connecting said movable resisting member to the disc-valve for moving the latter upon a movement of the resisting member to change the specific pressure in said auxiliary chamber.

1,407,061. LIGHTNING ARRESTER. GEORGE FRANCIS GRAY, Pittsburgh, Pa. Filed Jan. 11, 1919. Serial No. 270,688. 10 Claims. (Cl. 175-30.)



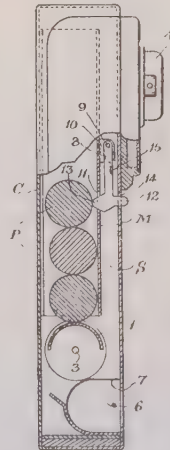
1. In a lightning arrester, a pair of cup-shaped members having their open ends facing each other and having electrodes, an insulating spacing plate disposed between the opposed edges of said cup-shaped members, and means for securing the parts in position.

1,407,062. GATE AND POST CONSTRUCTION. ALBERT N. GRIFFIN, Denton, Md. Filed Jan. 7, 1921. Serial No. 435,681. 2 Claims. (Cl. 39-50.)



1. In a device of the class described a tubular post member having aligned slots through the upper end thereof, an angular bracket pivoted within said post, its opposite ends projecting through said slots, a counter weight upon one end of said bracket, and a gate rigidly secured to the other end of said bracket.

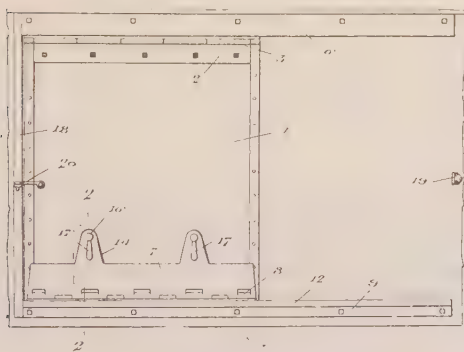
1,407,063. VENDING-MACHINE INDICATOR. ALBERT D. GROVER, New York, N. Y., assignor to Autosales Corporation, a Corporation of New York. Filed Feb. 2, 1918. Serial No. 215,023. 5 Claims. (Cl. 116-114.)



3. In a vending machine, an outer casing provided with a magazine for containing the vendable goods, the front wall of said casing and the front wall of said magazine being each provided with an opening, mechanism for delivering the goods from said magazine, there being a narrow space or chamber between the front wall of said casing and the front wall of said magazine, and a pawl

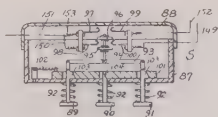
pivoted at one end in said space or chamber, the other end of said pawl being provided with an inner head or extension and an outer head or extension, said inner extension projecting through the opening in said magazine into engagement with the goods as long as there is a predetermined supply thereof in the magazine, said outer extension projecting out of the casing through the opening in the front wall thereof when said inner extension is in engagement with the goods in the magazine, but adapted to be moved into the casing when the supply of goods has fallen below said inner extension, whereby said outer extension acts as an indicator that may be felt from the outside of the machine to ascertain the condition of the supply of goods in the magazine.

1,407,064. FREIGHT-CAR DOOR. JOHN L. GUERRANT, Sedalia, Mo. Filed Apr. 29, 1919. Serial No. 293,436. 4 Claims. (Cl. 20—22.)



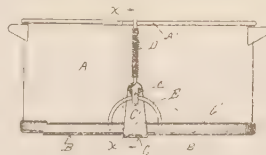
2. The combination of a car wall having an opening, a door to close said opening, means for suspending said door for sliding movement along said wall and for swinging movement away from said opening, a strip extending along said wall below said opening and having an upwardly extending flange, a plate hinged to the lower edge portion of the door and having a flange to swing downwardly behind the aforesaid flange, and means for swinging said plate to move the flange thereof and hold it behind the first named flange.

1,407,065. AUTOMATIC TRAIN-CONTROL SYSTEM. WINTHROP K. HOWE, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Dec. 26, 1916. Serial No. 138,821. 34 Claims. (Cl. 246—180.)



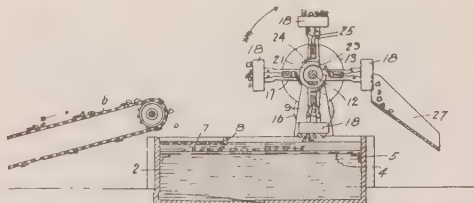
13. In an automatic train control system, the combination with a vehicle, of a speed responsive device connected to the wheels thereof, a safety appliance for excessive speed including a movable element governed by said device, and means for automatically adjusting the operative connection between said device and said element at different points along the track, thereby causing a different movement of said element for the same actual speed of the vehicle.

1,407,066. PROTECTING SHOE FOR WASHBOILERS. ADRIAN JOHNSON, Bradford, Pa. Filed Sept. 8, 1920. Serial No. 408,978. 2 Claims. (Cl. 220—69.)



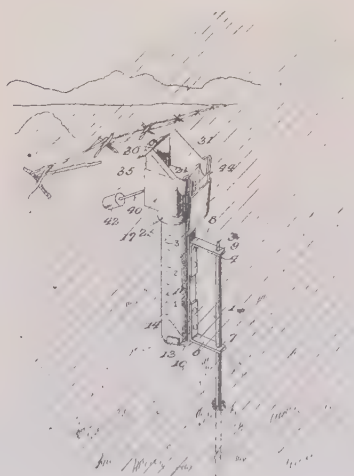
2. The combination in a protecting shoe mechanism for wash-boilers, of shoe sections, a flange thereon fitting under the edge of the boiler bottom, and an upturned and inturned flange fitting around the seam securing the bottom and sides of the boiler together, and engaging the upper edge of said seam, a yoke extending under the central portion of the boiler and embracing the inner ends of said shoe sections, springs engaging said yoke and the inner ends of said shoes, and springs connecting the yoke with the upper edge of the boiler.

1,407,067. METHOD OF COATING METAL ARTICLES. FRANK E. JOHNSON, Greensburg, Pa. Filed Nov. 5, 1920. Serial No. 422,098. 3 Claims. (Cl. 91—12.6.)



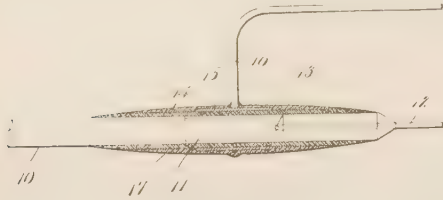
1. The method of coating metal articles consisting in submerging the articles in a bath of coating material, and drawing the articles directly therefrom by magnetic attraction.

1,407,068. RAIN GAUGE. THOMAS J. JOHNSON, Norman, Okla. Filed Apr. 1, 1920. Serial No. 370,546. 10 Claims. (Cl. 73—151.)



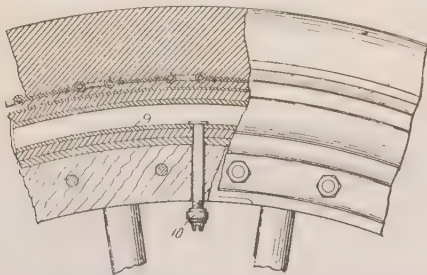
1. In a rain gauge, a receiver having a mouth tiltable with relation to the body thereof, and wind pressure controlled means for tilting the said mouth.

1,407,069. METHOD OF AND APPARATUS FOR INSULATION TESTING. CHARLES L. KASSON, Mattapan, and THOMAS H. HAINES, Dorchester, Mass. Filed Feb. 17, 1920. Serial No. 359,326. 6 Claims. (Cl. 175—183.)



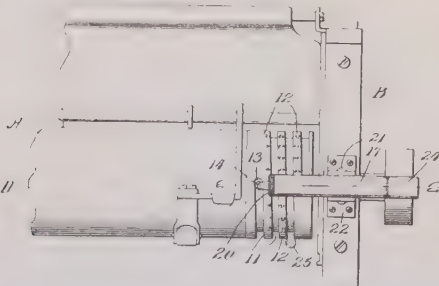
1. An apparatus for testing the insulating qualities of suspension type insulators on live transmission lines, comprising a support, a condenser mounted thereon, and a conducting element attached to each side of the condenser and extending outwardly therefrom into position to engage with the connecting ends of any unit of the string of insulators.

1,407,070. COMBINED PNEUMATIC AND SOLID TIRE. FRANKLIN W. KREMER, Rutherford, N. J. Filed May 23, 1919, Serial No. 299,196. Renewed Dec. 9, 1921. Serial No. 521,251. 7 Claims. (Cl. 152—10.)



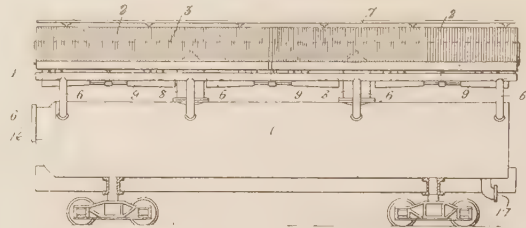
1. A yieldingly supported solid tire having embedded therein an inwardly but not sidewardly yieldable reinforcing structure of a substantially uniform width nearly equal to the width of the tire.

1,407,071. FOOT-MARGIN REGULATOR AND INDICATOR ATTACHMENT FOR TYPEWRITING MACHINES. LEON V. LARSEN, deceased, Paris, Tex., by May Furey Larsen, Paris, Tex., and Erma Orville Larsen, Chicago, Ill., executors. Filed Nov. 3, 1919. Serial No. 335,462. 6 Claims. (Cl. 197—141.)



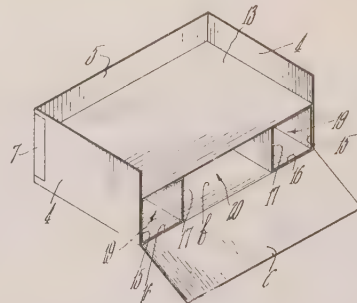
1. In a foot margin regulator and indicator attachment for typewriting machines, the combination with line-feed mechanism of automatically operated line-feed indicating means including an indicator pawl, a movable stop adapted for adjustment and engagement with said pawl for arresting movement of the line-feed mechanism at a pre-determined point, and manually operable means for moving said pawl out of engagement with said stop to automatically position said pawl in starting position.

1,407,072. LOCOMOTIVE CONDENSER. FREDRIK LJUNGSTRÖM, Brevik-Lidingön, and ISIDOR BROBERG, Tallhyddan Lidingön, Sweden, assignors to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden, a Corporation. Filed Jan. 7, 1920. Serial No. 350,013. 10 Claims. (Cl. 257—39.)



1. In a locomotive condenser, the combination of a receptacle for steam and water, cooling elements extending transversely thereof, a steam supply pipe connected with said cooling elements, and pipes connecting the receptacle with said steam pipe, said latter connecting pipes together with the steam pipe supporting one end of the cooling elements.

1,407,073. CARDBOARD DISPLAY BOX. JOHN F. LYONS, West Springfield, Mass., assignor to Kibbe Brothers Company, Springfield, Mass., a Corporation of Massachusetts. Filed Dec. 15, 1920. Serial No. 430,936. 10 Claims. (Cl. 229—15.)



1. A cardboard display box made up of two pieces, one piece bent upon four sides to form a box body, the other piece bent into a plurality of tubes mounted in the said box whereby a plurality of compartments are formed.

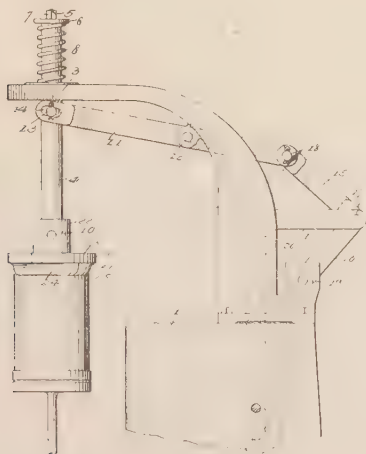
1,407,074. POLISHING COMPOSITION. JOSEPH W. McCAUGHEY, Geneva, Ohio. Filed May 28, 1921. Serial No. 473,383. 2 Claims. (Cl. 134—24.)

1. A polishing composition comprising a mixture of paraffin oil, turpentine, yellow pine oil, camphor oil, cedar oil, sassafras oil and beeswax.

1,407,075. METHOD OF MANUFACTURING SHEETS OF GELATIN. ROBERT ATKINSON McQUITT, London, England. Filed July 7, 1920. Serial No. 394,539. 3 Claims. (Cl. 18—57.)

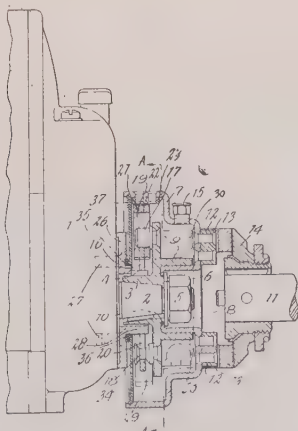
1. The method of manufacturing gelatin sheets in which liquid gelatin is first spread over a flexible foundation and said foundation then bent over a curved surface and the film of gelatin dried thereon under tension on said curved surface and finally stripped therefrom without the use of mechanical stripping means.

1,407,076. MACHINE FOR REFLANGING CANS. WILLIAM MILLS, Anacortes, and CLARK PERCY, Bellingham, Wash., assignors of one-third to Clarence H. Kent, Seattle, Wash. Filed Sept. 9, 1920. Serial No. 409,275. 3 Claims. (Cl. 113-1.)



1. In a can flanging machine, a frame, means for supporting a can to be flanged on the frame, a plunger mounted for vertical movement on the frame and axially concentric with the can, tensioning means for the plunger, a flanging device carried by the lower end of the plunger and adapted to telescope the can to cause the marginal flaring of the marginal edge of the wall of the can, an oscillatory lever pivoted on the frame and connected to the plunger, toggle link connections connected to the frame and in turn to the oscillatory lever, and means operatively connected to the toggle links for straightening the same to cause an oscillatory movement of the oscillatory lever, thereby moving the plunger against its tensioning means.

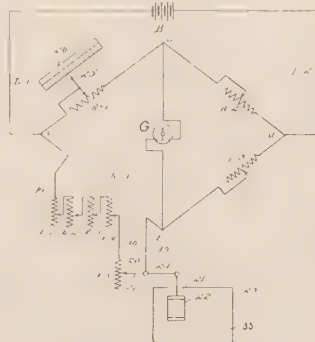
1,407,077. IMPULSE STARTER. KNUT H. MÖRCK, Buffalo, N. Y., assignor, by mesne assignments, to Ericsson Manufacturing Company, Buffalo, N. Y., a Corporation of New York. Filed Jan. 6, 1919. Serial No. 269,731. 2 Claims. (Cl. 123-149.)



1. The combination with the shaft of an electric generator, of a driven plate fixed to said shaft, means for retaining said plate on said shaft, said driven plate having a bearing-sleeve on its outer side, a relatively fixed stop, a pawl-member carried by said plate and adapted to engage

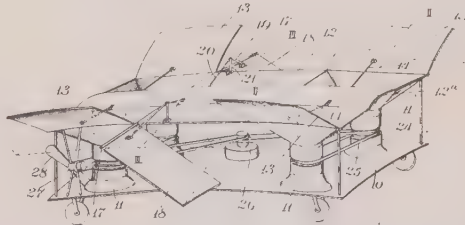
said stop, a driving case enclosing said plate and said pawl member and having a hub journaled in said sleeve and provided with a lip interlocking with said plate-retaining means, a spring interposed between said plate, and said case, and releasing means for said pawl-member carried by said case.

1,407,078. AUTOMATIC ELECTRIC WEIGHT-MEASURING DEVICE FOR MOVABLE CARRIERS. HOWARD J. MURRAY, Brooklyn, N. Y. Filed Oct. 11, 1918. Serial No. 257,806. 5 Claims. (Cl. 177-351.)



5. In a device of the class described, the combination of a yieldably supported body, provided with an element for receiving an incidental weight, electrically actuated mechanisms operatively actuated by the depression of said body by the weight thereon for indicating a function of said weight, manually actuated means for controlling said mechanisms and means actuated by said weight receiving element and operatively connected with said mechanism to compensate for the weight imposed on the body through said element.

1,407,079. FLYING MACHINE. NORMAN F. OVERTURE, London, Ohio. Filed Nov. 8, 1920. Serial No. 422,410. 6 Claims. (Cl. 244-15.)



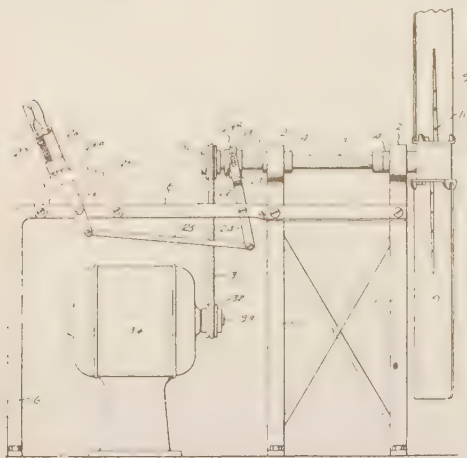
1. A flying machine including, in combination, vertical air tubes and propellers therein, wings hinged adjacent the upper ends of said tubes and cooperating therewith and means for raising and depressing said wings.

1,407,080. PROPELLER FOR AIRPLANES AND THE LIKE. NORMAN F. OVERTURE, Cleveland, Ohio. Filed Feb. 7, 1921. Serial No. 443,030. 3 Claims. (Cl. 170-163.)

1. The combination of a hollow shaft, a hub on said shaft and having longitudinal slots extending in opposite directions from the central portion thereof, blades rotatably mounted upon and extending from said hub, a rod slidably mounted in said shaft, pins carried by said rod and mounted in said slots, an operative connection between the outer end of each pin and a blade for rotating the latter about its axis, the said shaft having a slot therein, a

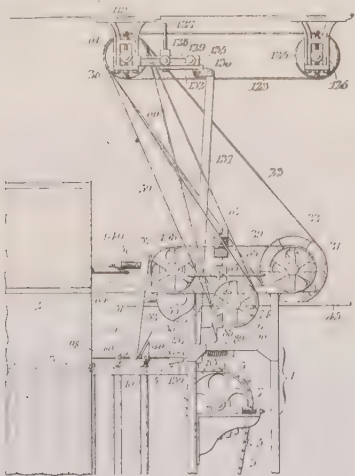
collar slidably mounted on said shaft and connected with said rod through said slot, a ring rotatably mounted on

elastic member, clasp members carried by said flexible member and means to fasten the free end of said elastic



said collar, means connected with said ring for moving the said collar and the said rod, and means for driving the said shaft.

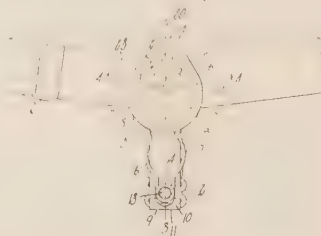
1,407,081. TEXTILE-DRYING MACHINE. BERTRAND A. PARKES, Philadelphia, Pa., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 18, 1919. Serial No. 283,293. 22 Claims. (Cl. 34—12.)



4. A drying machine comprising a traveling conveyor with a plurality of transverse supporting bars; means for festooning the material to be dried successively on said bars in a plurality of loops arranged lengthwise of each bar, including a guide moving back and forth transversely of the conveyor and means for reversing the movement of said guide controlled by its progress in each direction; and means controlled by said reversing means for producing movement of the conveyor.

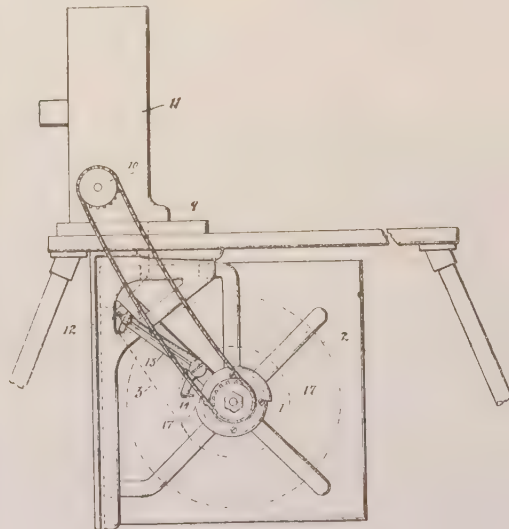
1,407,082. HOSE SUPPORTER. ISIDOR N. POLLINGER, Brockton, Mass. Filed Sept. 23, 1920. Serial No. 412,196. 3 Claims. (Cl. 241—6.)

1. A hose supporter comprising an elastic member adapted to extend around the leg, a flexible member attached at one end portion of said elastic member and projecting beyond said end portion from both sides of said



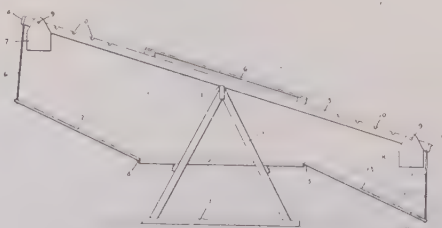
member between the projecting sides of said flexible member.

1,407,083. SIGNAL ATTACHMENT FOR FILM REELS. NICHOLAS POWER, Brooklyn, N. Y., assignor to Nicholas Power Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 9, 1916, Serial No. 135,953. Renewed Mar. 30, 1921. Serial No. 457,053. 5 Claims. (Cl. 88—17.)



1. In a mechanism of the class described, the combination of a winding reel, a signal mechanism having a part driven from the driving mechanism of said winding reel, a guide for the film or web to be wound on said reel, said guide being supported so as to tend to move in one direction against the tension of the film or web and connections between said guide and signal mechanism for causing the latter to be actuated by the said driven part when the tension of the film or web is so reduced as to permit said guide to move.

1,407,084. AMUSEMENT DEVICE. REGINALD C. PRYOR, Houghton, Mich. Filed Mar. 25, 1920. Serial No. 368,589. 3 Claims. (Cl. 46—22.)



1. An amusement device comprising a supporting structure having a fulcrum point at its upper end, a member

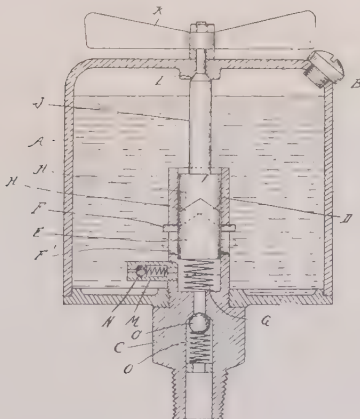
adapted to balance over said fulcrum point, an elongated horizontally disposed member extending through and rigidly secured to parts of the supporting structure and spaced a distance above the lower end of said supporting structure, the ends of said horizontal member extending a distance on opposite sides of and below said fulcrum point, an elongated horizontally disposed member, hinged at one end to each end of the first horizontal member, and adapted to receive downward pressure at the outer ends thereof, and means for securing the outer ends of said hinged members to the outer ends of said balanced member.

1,407,085. MARKING BUTTON. HENRY V. RAU, Brooklyn, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 26, 1918. Serial No. 230,945. 3 Claims. (Cl. 40--10.)



1. A button comprising: a disc-shaped face member, a body member having an edge thereof upset over the edge of said face member to form a raised flange around said edge, a tubular stem on said body member having an open end of the core therein in contiguous relation to the underside of the central portion of the face member, and a bridging member formed of sheet material interposed between said face member and the core in said tubular stem.

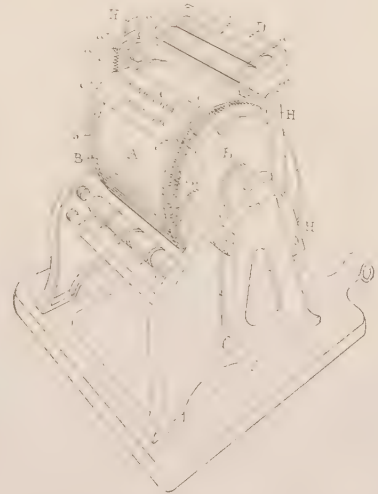
1,407,086. FORCED-FEED OIL CUP. WILLIAM H. ROBERTS, Detroit, Mich., assignor to Roberts Brass Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 30, 1919. Serial No. 320,754. 10 Claims. (Cl. 184--27.)



10. The combination with an oil cup, of a plunger operable therein for forcing a discharge of oil, a rotative member for actuating the discharge stroke of the plunger, an actuating stem for said member extending through and journaled in a wall of the cup and formed with a bevelled annular shoulder engaging a correspondingly bevelled

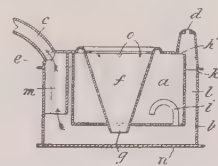
thrust bearing interiorly of the cup and a spring actuating the suction stroke of the plunger and acting through the latter upon said stem to seat the latter firmly on said thrust bearing.

1,407,087. ROTARY DUPLICATING MACHINE. GEORGE ARTHUR WILLIAM RUSHWORTH, Manchester, England. Filed Jan. 3, 1921. Serial No. 434,527. 3 Claims. (Cl. 101--175.)



1. In a rotary duplicating machine the combination with the main duplicating cylinder of a separately inked auxiliary printing device, means for holding said device in any position on the main cylinder so that the auxiliary matter printed can occupy any position desired in relation to the body of the matter printed, a separate inking mechanism for the auxiliary printing device and a cam surface movable with said auxiliary printing device to trip the separate inking mechanism.

1,407,088. KETTLE. JOHN ALEXANDER SAMUELS, Richmond, England. Filed July 6, 1920. Serial No. 394,355. 1 Claim. (Cl. 53--9.)



A kettle of the type set forth comprising an inner receptacle and an outer receptacle having a spout and a safety valve, the inner receptacle fixed to the top of the kettle by a vertical perforated hopper the said hopper having an outlet at the bottom and the usual cover at the top, the inner receptacle having a syphon in order to fill the said receptacle, the inner receptacle supported by the vertical hopper, the top rim of the outer receptacle fixed to the top of the kettle, and a passage for conveying the water to the spout, substantially as described.

1,407,089. BUTTON-MOLD MACHINE AND DIES. CECIL WILLIAM SCOTT, Cricklewood, England. Filed Aug. 20, 1920. Serial No. 404,762. 3 Claims. (Cl. 18--16.)

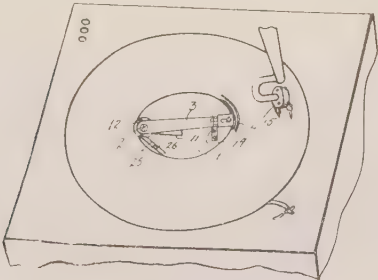
1. A button molding machine comprising a fixed bed plate, a second fixed plate adjacent and parallel with the bed plate, said plates having apertures therein adapted to

receive a four-part die, a four-part die adapted to lie in said apertures and extend laterally on each side of said



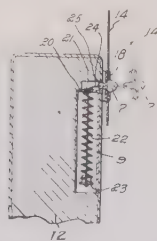
plates, and a lever disposed between said plates adapted and operated to press together the parts of the die containing the shell and back of the button.

1,407,090. REPEAT DEVICE FOR PHONOGRAPHS. FREDERICK A. SHAW, Dighton, Mass., assignor to Augustus A. Green, Providence, R. I. Filed Feb. 16, 1921. Serial No. 445,543. 7 Claims. (Cl. 274—15.)



1. In a repeat device for phonographs, an actuating member, a shuttle carrying member operatively related to the first member, a shuttle carried by said second member, latching means for the second member, and means whereby the latching means is released upon the stylus engaging the shuttle.

1,407,091. SIDE-CURTAIN CONFINER FOR VEHICLES. GEORGE R. SHEPHERD, Brookline, Mass. Filed Nov. 30, 1920. Serial No. 427,350. 5 Claims. (Cl. 296—144.)

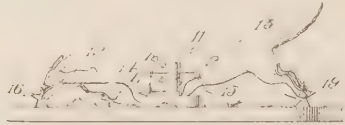


1. A side curtain confiner for vehicles, comprising a fastener member engageable with a curtain, anchoring means attachable to a portion of a vehicle, and a spring take-up connection between the anchoring means and the fastener member, said connection having means for normally holding the fastener member at a predetermined minimum distance from the anchoring means, and for permitting outward displacement of the fastener member.

1,407,092. BAIT FOR FLYTRAPS. JOHN W. SKELTON, Douglas, Ariz. Filed Apr. 29, 1920. Serial No. 377,551. 3 Claims. (Cl. 167—6.)

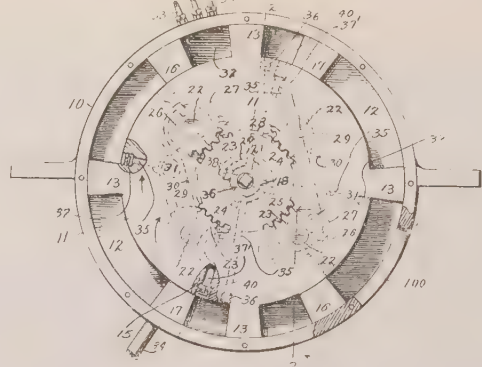
3. A non-poisonous insect lure consisting of an acetic acid mash dried and mixed with bicarbonate of soda whereby the addition of moisture produces a gas.

1,407,093. TOY. GEORGE E. SMITH, Hudson, Colo. Filed June 17, 1920. Serial No. 389,625. 2 Claims. (Cl. 46—40.)



1. In a device of the class described, a base member, a member rotatable with respect thereto, means for rotating the member, an arm extending from the member, a figure supported by the arm for movement above the base member in the rotation of the rotatable member, and a spur wheel carried by the figure in contact at its periphery with the base whereby to impart an up and down motion to the figure as the same travels over the surface of the base.

1,407,094. ROTARY ENGINE. HARVEY E. SMITH, Newport, Ark. Filed Nov. 5, 1918. Serial No. 261,180. 2 Claims. (Cl. 123—11.)



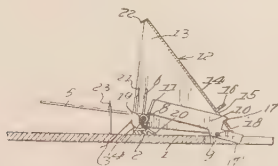
1. A rotary engine having a circular series of four rotor impelling pistons, two circular series of rotor, abutment forming pistons, two to a series, and means to impart rotary movement to each of said series of abutment forming pistons relative to the impelling pistons.

1,407,095. RECORD SHEET. WILLIAM W. SMYTHE, JR., Park Ridge, Ill., assignor to The Graphic Score Book Company, Park Ridge, Ill., a Corporation of Illinois. Filed July 26, 1920. Serial No. 399,076. 6 Claims. (Cl. 283—49.)

GRAPHIC HANDICAP SCORE CARD															DATE.		BY.	
EVENT.															DATE.		BY.	
HAND SCORE (GROSS) NET SCORE (GROSS) NET SCORE (GROSS) NET SCORE (GROSS) NET SCORE (GROSS) NET SCORE (GROSS) NET SCORE (GROSS) NET SCORE (GROSS) NET SCORE (GROSS) NET SCORE (GROSS) NET SCORE (GROSS) NET SCORE (GROSS) NET SCORE (GROSS) NET SCORE (GROSS) NET SCORE (GROSS)															DATE.		BY.	
60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	DATE.		BY.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	DATE.		BY.	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	DATE.		BY.	
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	DATE.		BY.	
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	DATE.		BY.	
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	DATE.		BY.	
76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	DATE.		BY.	
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	DATE.		BY.	
106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	DATE.		BY.	
121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	DATE.		BY.	
136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	DATE.		BY.	
151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	DATE.		BY.	
166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	DATE.		BY.	
181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	DATE.		BY.	
196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	DATE.		BY.	
211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	DATE.		BY.	
226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	DATE.		BY.	
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	DATE.		BY.	
256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	DATE.		BY.	
271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	DATE.		BY.	
286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	DATE.		BY.	
301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	DATE.		BY.	
316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	DATE.		BY.	
331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	DATE.		BY.	
346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	DATE.		BY.	
361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	DATE.		BY.	
376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	DATE.		BY.	
391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	DATE.		BY.	
406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	DATE.		BY.	
421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	DATE.		BY.	
436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	DATE.		BY.	
451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	DATE.		BY.	
466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	DATE.		BY.	
481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	DATE.		BY.	
496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	DATE.		BY.	
511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	DATE.		BY.	
526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	DATE.		BY.	
541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	DATE.		BY.	
556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	DATE.		BY.	
571	572	573	574	575	576	577	5											

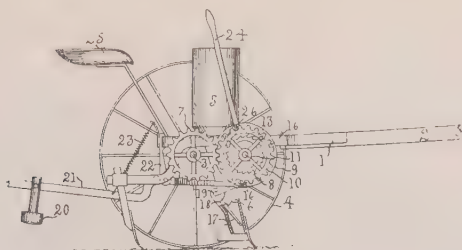
rality of sub-rows, lines dividing one of the sub-rows in each main row into a certain number of spaces, lines dividing another sub-row of each main row into a greater number of spaces, and a plurality of rows of index numerals, the numerals of each row being positioned to correspond to the spaces of a particular one of said sub-rows.

1,407,096. ANIMAL TRAP. JONATHAN R. SPENCER, Lomb Beach, Calif. Filed Mar. 5, 1918. Serial No. 220,585. 2 Claims. (Cl. 43—83.)



1. A trap comprising a base, a sheet metal housing pivotally connected with the base, the housing and base constituting the jaws of the trap, a latch pivoted to the base and having a detent disposed to engage with the housing and hold it at one limit of its pivotal movement, a finger carried by the latch in position for engagement by the housing to pivotally move the latch with its detent into engagement with the housing, means for moving the housing into entrapping relation to the base when released by the detent, the latch having a laterally turned extremity, and a trigger having depending ears pivotally connected with the base and disposed to engage beneath the laterally turned end of the latch, the trigger extending beyond the opposite side of its pivot from the ears.

1,407,097. SEED PLANTER AND MARKER. WILLIAM L. SPROWL, Sherman, Tex. Filed Mar. 22, 1921. Serial No. 454,579. 1 Claim. (Cl. 111—33.)

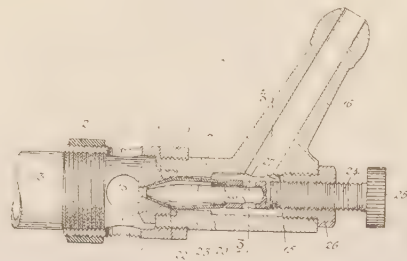


In a device of the class described, comprising a frame, a rotatable axle therein, ground wheels mounted on said axle one of which is secured thereto, a hopper and a seed chute mounted on the frame, a valve inclined in said chute and a lever connected with the valve, a hill marker mounted on a horizontally disposed lever carried by the frame, and mechanism for actuating both levers comprising a gear secured to the axle, a spindle carried by the frame having a gear, a ratchet-wheel and a disk wheel rotatable thereon, the former in engagement with the axle gear, a pawl on the spindle carried gear adapted to engage the teeth of the ratchet, a hub integral with the ratchet to which the disk is secured, and a plurality of equally spaced pins extending laterally from the face of the disk whereby the levers are operated with the forward movement of the machine, substantially as set forth.

1,407,098. FUEL REGULATOR FOR GAS BURNERS. CHARLES STICHLER, Philadelphia, Pa., assignor to Strause Gas Iron Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 14, 1920. Serial No. 358,680. 4 Claims. (Cl. 158—118.)

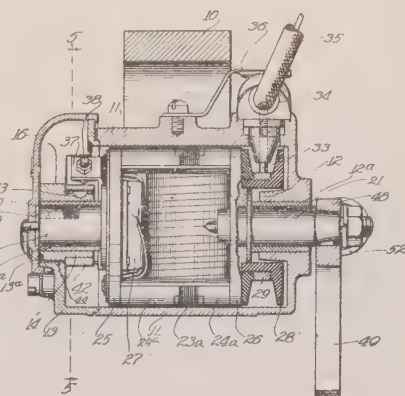
4. In a fuel regulator for gas burners, the combination of a stationary nozzle having a nozzle opening, means for

conducting fuel to said nozzle opening, an expansible and contractible controlling member slidably adjustable for alone controlling the flow of fuel through the nozzle opening, an adjusting screw separate from and abutting



against said controlling member and arranged to shift the same in an axial direction relatively to said nozzle, and means whereby rotation of said controlling member, by the action of said adjusting screw, is prevented.

1,407,099. IGNITION MAGNETO, JOHN ROY STARK, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed Aug. 25, 1920. Serial No. 405,957. 4 Claims. (Cl. 123—149.)

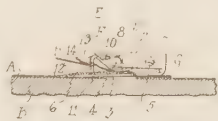


1. A magneto comprising a housing and an armature structure disposed therein, the armature being provided with trunnions, inwardly projecting hollow bosses carried by the ends of the housing, the bosses constituting bearings for the trunnions, a distributor spool carried at one end of the armature structure and rotatable therewith, said spool provided with a central opening adapted to embrace the adjacent boss, interrupter contacts at the other end of the armature structure and a cam for operating said contacts, said cam comprising an annulus disposed around and fixed upon the bearing boss adjacent said contacts.

1,407,100. PAPER-FEED GUIDE FOR PLATEN PRESSES. ROSEA H. STRAIT, Overland, Mo. Filed July 21, 1921. Serial No. 486,364. 7 Claims. (Cl. 101—415.)

1. A feed guide having a prong, a gripping member provided with an abutment movable toward said prong, a locking lever whereby said gripping member is forced

toward said prong, said locking lever having a downturned portion in front of the upper portion of said abutment,

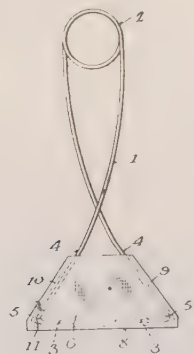


and a tongue extending from said abutment at a point immediately below said downturned portion.

1,407,101. SOLID FUEL AND PROCESS OF MAKING THE SAME. NOBILE CARLO TOMMASI and HEINRICH DANNEEL, Basel, Switzerland, assignors to Elektrizitätswerk Lonza, Gampel, Switzerland. Filed Mar. 22, 1920. Serial No. 367,701. 9 Claims. (Cl. 44—7.)

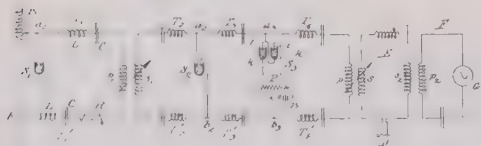
1. A solid fuel block comprising a coherent mass of metaldehyde.

1,407,102. PAN GREASER. SAMUEL C. VIDEN, Milwaukee, Wis. Filed July 17, 1920. Serial No. 396,988. 4 Claims. (Cl. 65—12.)



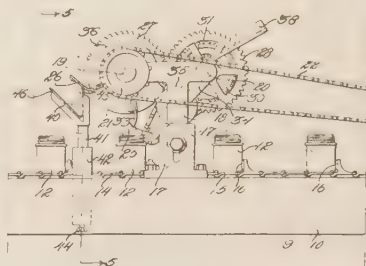
3. A pan greaser comprising a spring handle and a fabric pocket carried thereby, said fabric pocket being so arranged as to be internally reenforced along three of its edges by portions of said spring handle.

1,407,103. RECEIVING SYSTEM FOR RADIO TELEGRAPHY AND TELEPHONY. FREDERICK K. VREELAND, Montclair, N. J. Filed Feb. 17, 1917. Serial No. 149,166. 35 Claims. (250—20.)



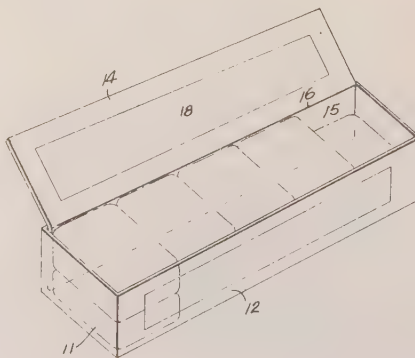
1. In a receiving system for radiant energy, the combination with an antenna or collecting circuit, of a receiving apparatus and an intensity selective device and signal discriminating means whereby the intensity selective device operates with relatively greater effect upon stray impulses than upon signal impulses, substantially as set forth.

1,407,104. WIPING MECHANISM. NOAH WALKER, Philadelphia, Pa. Filed Mar. 1, 1921. Serial No. 448,774. 14 Claims. (Cl. 226—22.)



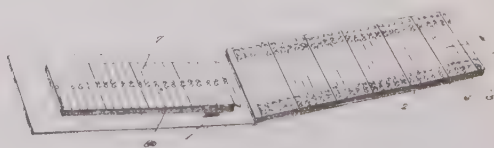
1. Mechanism for removing excess material from jars including wiping means; means for effecting relative movement between the jars and wiping means whereby the excess material is transferred to the wiping means; and means co-operative with said wiping means for stripping said material therefrom; substantially as described.

1,407,105. PACKAGE FOR CIGARETTES AND THE LIKE. PERCY R. WALTERS, Montreal, Quebec, Canada. Filed Sept. 17, 1920. Serial No. 410,952. 4 Claims. (Cl. 206—44.)



3. A package comprising a box-like body open at the top, and a removable closure for said body comprising a retaining portion normally engaged between the front of the box and the contents, and a cover portion integral with the upper edge of said retainer portion and normally assuming a rearward inclination over the box, said cover having advertising matter on the upper surface thereof, and being available as a display card in rear of the box by transfer of the retainer portion from the front to the back of the box.

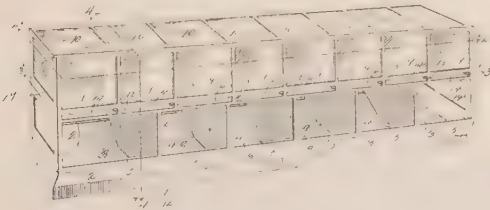
1,407,106. SCRIP-MEASURING DEVICE. HARRY F. WHITE, Fresno, Calif. Filed Jan. 26, 1921. Serial No. 440,061. 1 Claim. (Cl. 33—83.)



The combination with scrip having a series of designated divisions which are to be removed in blocks of

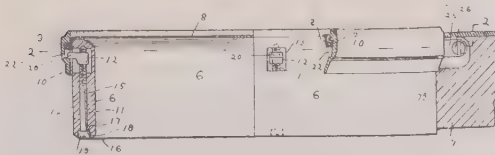
selected numbers, of means for application thereto to measure off any selected number of said divisions, said means consisting of a strip having one end portion of its length divided into units equal in length to the divisions of the scrip and the remaining portion of its length divided into multiples of such units, the units being numbered to represent total values in ascending sequence with the unit of greatest value at the extremity of that end portion of the strip containing the unit divisions and the divisions representing multiples of the units being numbered in sequence toward the opposite end of the strip from the unit of lowest value.

- 1,407,107. VENTILATED FRUIT AND VEGETABLE CASE. JOHN JOSEPH WILLENBORG, Pawnee, Ill. Filed Feb. 1, 1921. Serial No. 441,621. 1 Claim. (Cl. 211—9.)



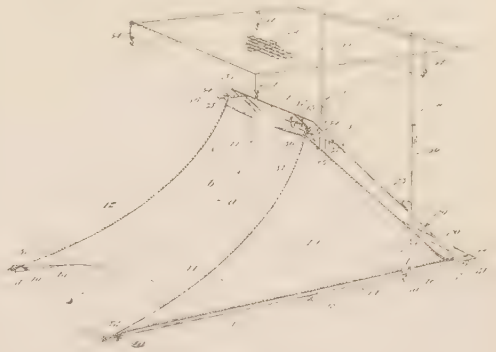
A ventilated display case, said case comprising horizontally disposed compartments, said compartments having glass top and front walls being disposed remote from the lower end of the casing as a whole, the bottoms of said compartments being provided with screening, doors carried at the side of the compartments and formed from screening, and horizontally disposed air passages disposed beneath the screened bottoms of the compartments and remote from the lower end of the casing as a whole, thereby obviating entrance of dirt or dust to the air passages, said air passages being substantially of the same horizontal cross sectional area as the horizontal cross sectional area of the compartments and registering with said compartments.

- 1,407,108. BANJO. ARBA L. WILLIAMS, Utica, N. Y. Filed May 27, 1921. Serial No. 473,198. 2 Claims. (Cl. 84—269.)



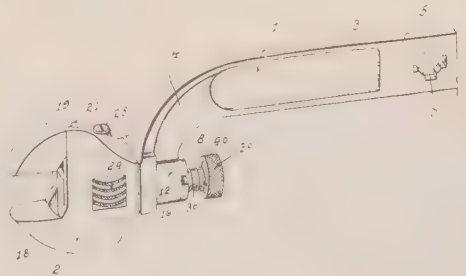
1. In a banjo, the combination of a rim having in its outer side near the top a plurality of apertures and screw holes extending into said apertures from the bottom edge of the rim, a flesh hoop outside the rim, a head over the top of the rim with its edge engaged by the flesh hoop, nuts in said apertures having ears projecting outside the rim, adjusting screws in said screw holes of the rim with their inner ends engaging said eared nuts and a straining hoop outside the rim having on its inner side an annular groove receiving the flesh hoop and therebelow the projecting ears of the said nuts.

- 1,407,109. GOLF APPARATUS. ERASTUS E. WINKLEY, Lynn, Mass. Filed Oct. 25, 1919. Serial No. 333,313. 13 Claims. (Cl. 46—59.)



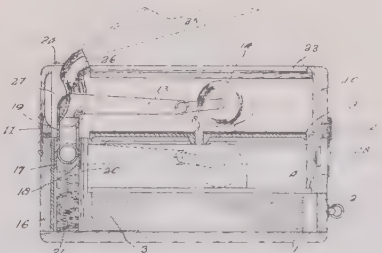
13. A golf cage comprising a fabric bag having an inclined back portion, forwardly extending side walls, a cut away bottom portion, and a frame for supporting the bag in distended position.

- 1,407,110. WRENCH. FRANK C. WUTKE, Chicago, Ill. Filed Jan. 11, 1921. Serial No. 436,483. 10 Claims. (Cl. 81—177.)



1. A wrench comprising a handle having a socket, a work-engaging head having a shank rotatably and slidably fitting in said socket whereby the head may be angularly adjusted without disengagement of its shank from the socket, coating means upon the shank and the wall of the socket for restraining the shank against rotation in the socket, and means holding the shank against sliding movement in the socket.

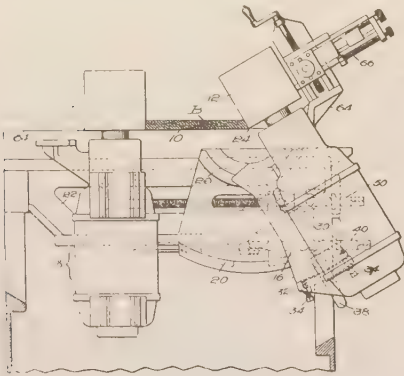
- 1,407,111. GRAMOPHONE. GENKICHI YAMANOUCHI, Ebura-gun, Tokyo, Japan. Filed Feb. 19, 1919. Serial No. 277,982. 3 Claims. (Cl. 274 2.)



1. The combination with a cabinet composed of a plurality of sections, the upper of which is swingable relative to the intermediate section, a compartment in the intermediate section, a record table rotatably and removably arranged above the intermediate section, a tone arm hav-

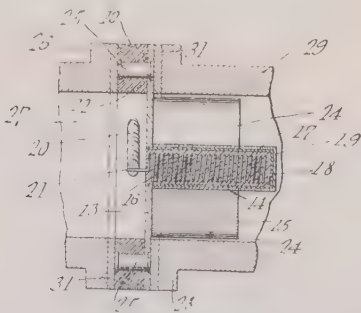
ing a downwardly bent inner end, and a sound reproducer connected to the tone arm of a stationary tube arranged within the lower and intermediate compartments for accommodating the downwardly bent end of the tone arm, a slider yieldingly mounted on the tube and coacting with the tube to support the tone arm so that the tone arm and reproducer may be arranged in the compartment in the intermediate section or else upon the removal of the table moved to a raised position so as to subsequently coact with the table.

1,407,112. WOODWORKING MACHINE. PERCY H. YOUNG, Dorchester, Mass., assignor S. A. Woods Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 17, 1921. Serial No. 452,928. 6 Claims. (Cl. 144—90.)



1. In a machine of the class described a transverse guideway, a carriage slidable thereon, a side leg carrier pivoted on the carriage, means to clamp together carriage and guideway, means to clamp together carrier and carriage, a nut having slidable connection with the carriage and rotatable connection with the carrier and an adjusting screw cooperating with the nut.

1,407,113. VAPORIZING GASKET. JESSE H. BAKER, Henderson, Ill. Filed Mar. 29, 1920. Serial No. 369,634. 8 Claims. (Cl. 219—38.)

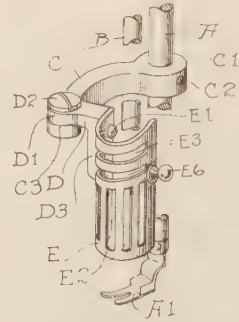


1. A vaporizing means comprising a gasket proper, an enclosed heating element carried thereby and a radiator substantially connected with said heating element.

1,407,114. SEWING-MACHINE-NEEDLE GUARD. JAMES G. BAILEY, Knoxville, Tenn. Filed Mar. 19, 1920. Serial No. 367,132. 5 Claims. (Cl. 112—261.)

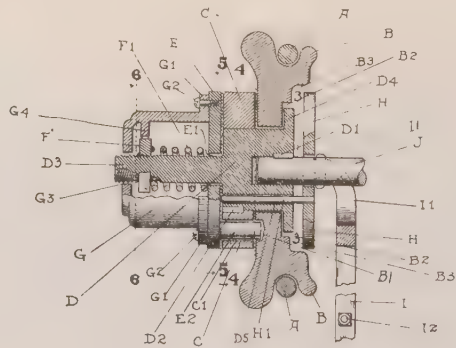
1. In a sewing machine needle guard, the combination of a first arm adapted to be secured adjustably on the presser bar of a sewing machine and having at its free end a horizontal seat and an upright abutment adjacent

said seat, a second arm hinged to the first arm on said seat for horizontal movement and adapted to approach the needle bar and to bear against said abutment, and a guard body having horizontal slots and upright slots and



being secured to said second arm and adapted to stand at the front of and extend approximately half way around the needle, whereby the needle is guarded from the front and sides, substantially as described.

1,407,115. CLUTCH. JAMES G. BAILEY, Knoxville, Tenn. Filed Mar. 28, 1921. Serial No. 456,415. 10 Claims. (Cl. 192—67.)

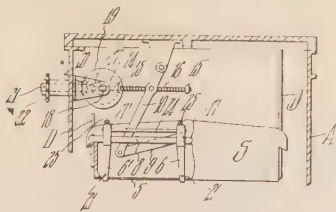


9. In a clutch of the nature described, a shaft, a wheel-form member surrounding the axial line of the shaft and rotatable relative to said shaft and having sockets on one side, means held for rotation with the shaft at that side of the wheel-form member and adapted to engage in said sockets, yielding means pressing said engaging means toward the wheel-form member, shifting means mounted for rotation with the shaft and movable parallel to said shaft toward said engaging member to press the latter away from the wheel-form member in opposition to said yielding means, and a controlling member free from the shaft relative to rotation and adapted to bear parallel to the shaft against the shifting means whereby the shifting means is made to press the engaging means away from the wheel-form member in opposition to said yielding means and a braking action tending to stop rotation is exerted on the shifting means, substantially as described.

1,407,116. CONFECTIONERY-COATING MACHINE. ALONZO LINTON BAUSMAN, Springfield, Mass., assignor to National Equipment Company, Springfield, Mass., a Corporation of Massachusetts. Filed Mar. 5, 1921. Serial No. 450,056. 2 Claims. (Cl. 91—3.)

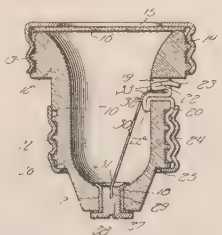
1. In a confectionery coating machine, a feeding device, including a slot for the discharge of coating material,

movable means to traverse said slot and maintain a free passage for the coating material, driving mechanism for



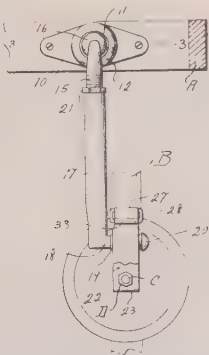
said means including means permitting the former to operate without actuating the first-named means whenever the latter is prevented from moving.

1,407,117. REFILLABLE FUSE PLUG. ERNEST H. BAXTER, Chicago, Ill. Filed Oct. 27, 1910. Serial No. 333,749. 10 Claims. (Cl. 200—130.)



1. A fuse plug of the character set forth comprising a body member, a removable cover therefor, a fuse holding element carried by the body member and detachably clamped to the side thereof, and a fuse adapted to be freely inserted into said holding element.

1,407,118. AUTOMOBILE-TOP FASTENER. WILLIAM HERBERT BENNETT, Calvin, Okla. Filed Oct. 5, 1921. Serial No. 505,659. 3 Claims. (Cl. 296—120.)

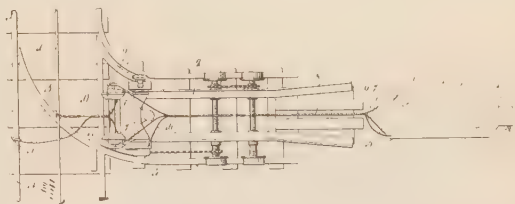


2. Means for securing the forward bow of a vehicle top to the windshield frame, comprising a separable clamping member movably mounted upon the windshield frame, an arm formed of threadedly connected L-shaped sections, one section being pivotally engaged within said clamping member and the other section terminating in a laterally extending head, and a socket member secured upon the bow and receiving said head.

1,407,119. ELECTRIC MINING APPARATUS. HARVEY C. BERKEY, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 18, 1921. Serial No. 478,506. 7 Claims (Cl. 191—12.)

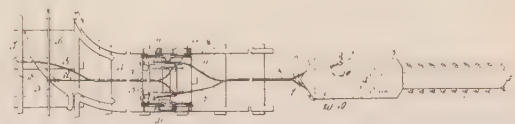
1. In a mining apparatus, an electric mining machine disposable on the mine bottom, means for supplying cur-

rent flow therethrough and to ground at a distant point from said machine when the latter is on the bottom, and



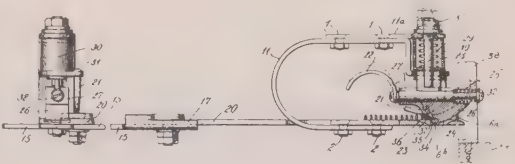
supplemental means connected to the machine frame and to ground at a distant point for removing a charge from said frame.

1,407,120. MINING APPARATUS. CHARLES W. WYMAN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 18, 1921. Serial No. 478,511. 6 Claims. (Cl. 191—12.)



1. Mining apparatus including an electric mining machine disposable on the mine bottom and a reel disposable on a room trackway, electrical connections for the mining machine extending through the reel and connected to a source of current supply and to ground, and means for grounding the machine frame in the main entry when said frame is on the bottom.

1,407,121. PILE-FABRIC LOOM. MICHAEL R. BIRMINGHAM, Yonkers, N. Y. Filed July 19, 1920. Serial No. 397,174. 21 Claims. (Cl. 139—64.)

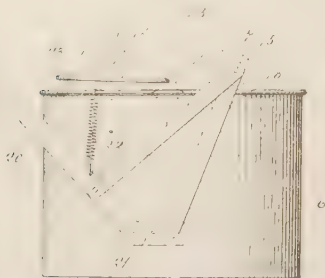


1. The combination with the pile wires of a pile fabric loom, of a wire supporting track, a foot normally holding the free end of a pile wire in a fixed position on the track, means for elevating the foot to release the held wire, means permitting a forward movement of the whole wire holding part of the foot while the foot is in its elevated position, and resilient means to restore the foot to its normal position.

1,407,122. MOP-WRINGER PAIL. CLATON E. BURKE and GROVE R. BECKWITH, Minneapolis, Minn., assignors to B. B. Specialty Co., Minneapolis, Minn., a Corporation of Minnesota. Filed Apr. 27, 1918. Serial No. 231,168. 4 Claims. (Cl. 15—12.)

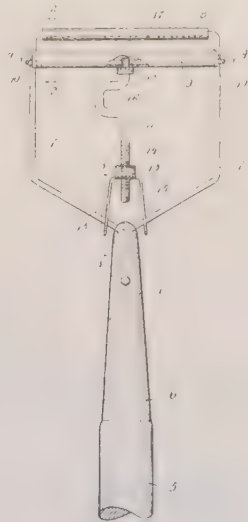
1. The combination with a mop pail and a stationary squeezing roller supported thereabove, of a co-operating movable squeezing roller, a bail having straight ends forming a treadle of the pail, and a pair of straight links at each exterior side of the pail having their upper ends pivoted to the end of the movable roller, one of the links of

each pair having its end pivoted to the treadle and the other link of each pair having its end pivoted to the exterior of the pail adjacent to the pivotal point of the



treadle so that said pivotal point of the treadle is always in the angle of divergence of said links whereby a dead center position is avoided.

1,407,123. MOP HOLDER. CLATON E. BURKE, Minneapolis, Minn., assignor to B. B. Specialty Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Nov. 7, 1919. Serial No. 336,381. 5 Claims. (Cl. 15-56.)

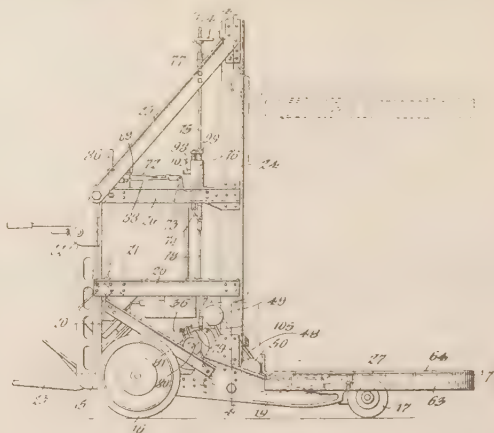


1. A mop holder comprising a head frame having parallel sides and a transverse clamping bar, a movable clamping bar mounted to slide on the sides of said head frame, and a displaceable axially extensible strut interposed between said movable clamping bar and head frame and having detachable engagement with said movable clamping bar.

1,407,124. ELEVATOR TRUCK. WILLIAM C. CARR, Buffalo, N. Y. Filed Aug. 24, 1920. Serial No. 405,695. 20 Claims. (Cl. 187-9.)

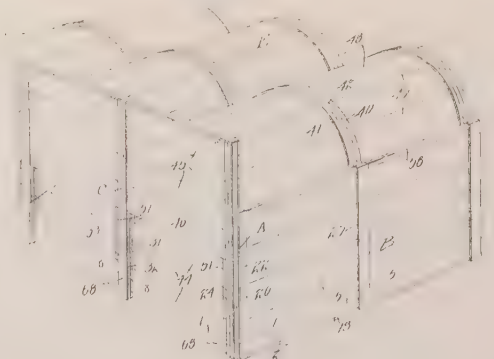
5. In a truck of the character described, the combination with a truck body and a motor mounted thereon, of an elevator frame carried by said truck body, a vertical screw arranged in said frame, a bearing for the lower end of said screw pivotally mounted on said frame, a self aligning bearing for the upper end of said screw, a yield-

able connection between said pivoted bearing and said truck body to provide for oscillatory movement of said



bearing relatively to said body, a vertically movable platform operatively connected to said screw, and means driven by said motor for rotating said screw.

1,407,125. VEGETATION-PROTECTING STRUCTURE. FRANK H. CARROLL, Los Angeles, Calif. Filed Nov. 11, 1919. Serial No. 337,339. 13 Claims. (Cl. 47-27.)



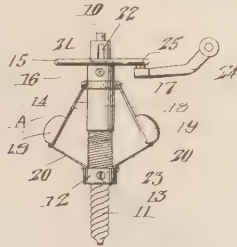
2. A vegetation protecting structure comprising, spaced uprights, shutter sections slidable in the uprights, arches connecting the uprights, other shutter sections slidable in the arches, said groups of sections being adapted to nest at a common position, and means to simultaneously move the shutters to closed position.

13. A vegetation protecting structure comprising a plurality of spaced uprights, side walls supported by some of said uprights comprising vertically movable shutter units, arches supported by and connecting some of said uprights, roof sections carried by said arches comprising slidable shutter units, means whereby the shutter units of the side walls and the arches nest at a common position, weights slidable relative to some of said uprights, racks carried by some of said uprights, a rotatable member connected with the weights and provided with pinions engaging the racks, means to rotate the rotatable member to raise the weights by engagement of the pinions with the racks, means to engage the pinions, to retain the rotating member and weights in elevated position, and flexible members connecting the weights with the shutter sections whereby the descent of the weights closes the shutter sections.

1,407,126. GOVERNOR. LEOPOLD OTTO CHRISTMANN, Beachburg, Ontario, Canada. Filed May 14, 1920. Serial No. 381,365. 1 Claim. (Cl. 188-187.)

A governor comprising a spindle formed with a worm on its lower end and provided with a longitudinally ex-

tending slot towards the upper end, a collar on said spindle, a set screw for said collar, a sleeve provided at its upper end with a brake disc mounted on said spindle, a set screw for said sleeve adapted to engage with the longitudinally extending slot in the spindle, a collar on said



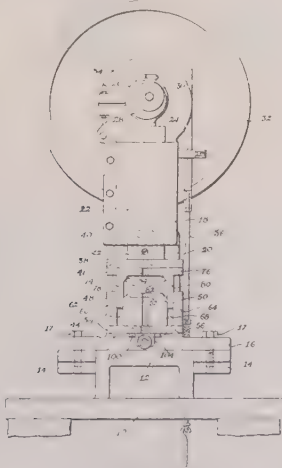
sleeve intermediate of the length thereof provided with lugs on opposite sides, arms hinged at one end to said lugs and connected to balls at the other end, said balls being also longitudinally connected to the spindle and collar, and a spiral spring between the said collar and the sleeve on said spindle.

1,407,127. METHOD OF MAKING SCISSORS, SHEARS, TWEEZERS, AND THE LIKE. WILLIAM F. CONCANON, Bridgeport, Conn. Filed June 24, 1920. Serial No. 391,261. 2 Claims. (Cl. 76—104.)



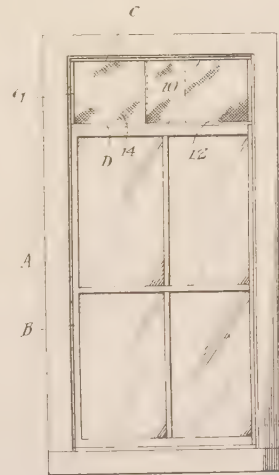
1. The method of making the members of scissors, shears, tweezers and the like, which consists in first curling a strip or piece of wire to form the bow of the member, offsetting the strip or piece to make provision for the blade of the member, and in finally locating the blade and forging and trimming the same to proper shape and size.

1,407,128. SOLE-MOLDING PRESS. JOHN W. COSGROVE, Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 16, 1920. Serial No. 366,185. 10 Claims. (Cl. 12—21.)



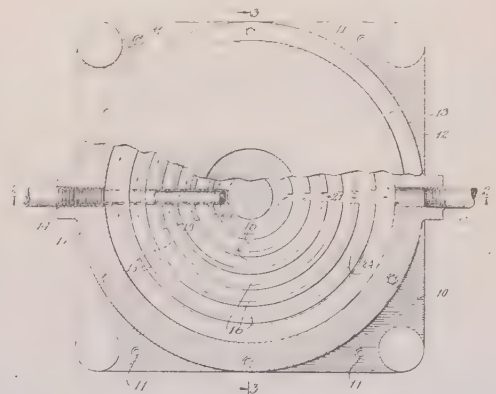
1. A turn sole molding machine having, in combination, a mold couple, means for adjusting the members of said mold couple to accommodate soles varying in width, and means for exerting a margin molding pressure on a sole between the adjusted members of said couple.

1,407,129. VENTILATOR. THOMAS CHARLES CROUCH, Elbow, Saskatchewan, Canada, assignor of one-third to Charles Latham Wynn and one-third to George Boos, Elbow, Canada. Filed Nov. 1, 1920. Serial No. 421,079. 1 Claim. (Cl. 156—38.)



A ventilator comprising a frame adapted to be inserted within a window, and a plurality of independent extensible screens mounted in said frame, each screen in its extended state being coextensive with the opening defined by said frame, and being adjustable to different positions within said opening.

1,407,130. WATER-COOLED DIE. GEORGE HOWLETT DAVIS and CHARLES T. BOWMAN, Orange, N. J., assignors to said Davis. Filed Apr. 4, 1921. Serial No. 458,604. 5 Claims. (Cl. 18—53.)

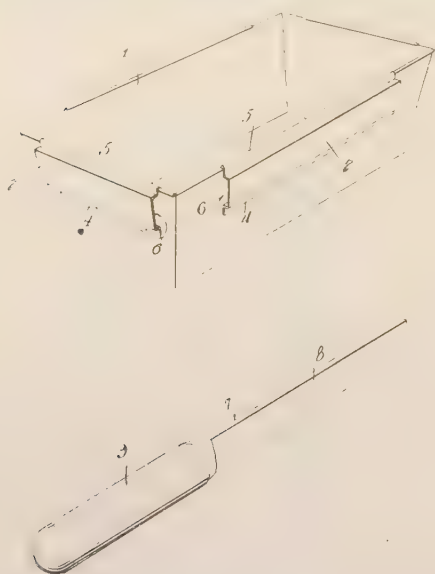


1. In a fluid-cooled press table having a plurality of separate fluid passages symmetrically arranged at opposite sides of the table center, said passages having radially aligned opposed entrances adjacent a fluid inlet, a distributing tube extending radially across said entrances and having a separate port for discharging fluid from the conduit into each passage.

1,407,131. BAKING PAN. ALFRED DE GREGORY, Brooklyn, N. Y. Filed Sept. 8, 1920. Serial No. 408,824. 1 Claim. (Cl. 53—6.)

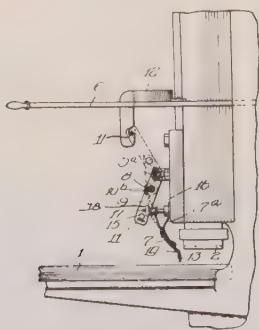
In combination, a cooking utensil of conventional form having channel shaped members secured to its opposite

sides and end walls to form longitudinal openings of rectangular shape in cross section on the sides and ends of



the utensil, and a lifting member comprising an elongated blade shaped to fit any one of said openings and equipped with a handle at one end.

1,407,132. FINGER GUARD FOR PRINTING PRESSES. GEORGE H. DUFOUR, Oak Park, Ill., assignor to Marshall Field & Company, Chicago, Ill., a Corporation of Illinois. Filed June 24, 1920. Serial No. 391,315. 13 Claims. (Cl. 74—105.)

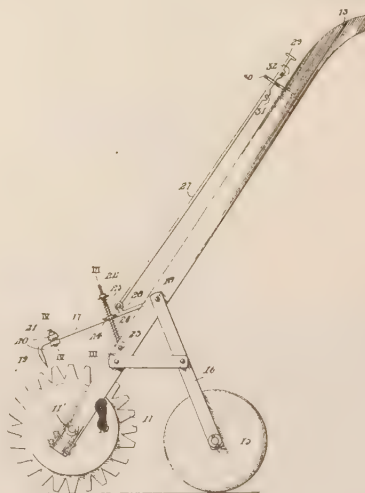


1. A guard for printing presses comprising a guard member sliding to and from barrier position and a position remote from barrier position, a pivoted lever connected with and imparting movement to said guard member and a pivot support for said lever; said guard member being pivoted to said lever at a point removed from its pivot support; and said lever swinging vertically to bring its connection with the guard member above and below its pivotal point in presenting the guard member in its two positions aforesaid.

1,407,133. ONION-PLANT MACHINE. ANDREW DURANY, New Britain, Conn. Filed July 19, 1921. Serial No. 485,872. 4 Claims. (Cl. 97—25.)

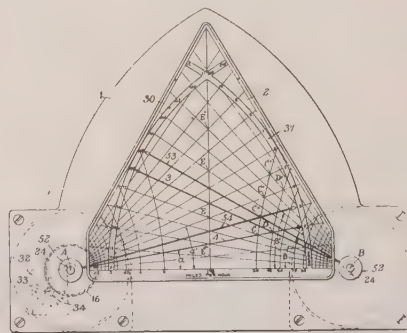
1. A device of the class described comprising side rails, a roller journaled between the lower ends thereof, a

plurality of toothed disks carried by the roller adapted for engaging the ground outwardly of the roller during



the travel of the device, a ground roller journaled upon said side rails at the rear of the machine and adjustable cleaning means for said toothed disk.

1,407,134. CALCULATING INSTRUMENT. CHARLES F. EATON, Jr., New York, N. Y. Filed Oct. 13, 1919. Serial No. 330,192. 10 Claims. (Cl. 235—61.)

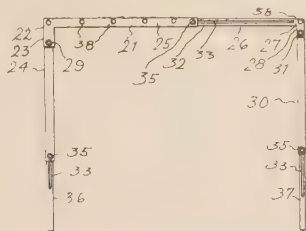


10. In an instrument of the class described, an angularly displaceable pointer, means for moving said pointer in accordance with the distance traveled by a vehicle, a scale associated with said pointer for indicating the distance which the vehicle has traveled, a second angularly displaceable pointer intersecting said first named pointer, means for displacing said pointer proportional to the time, a scale for indicating the time and an average speed chart associated with said pointers and readable at their point of intersection; said pointers being resettable independently of the means for angularly displacing them.

1,407,135. TENT POLE. VERNON M. EBBS, Corcoran, Calif. Filed July 22, 1920. Serial No. 398,132. 1 Claim. (Cl. 135—15.)

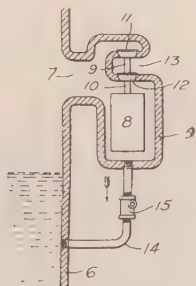
In a collapsible tent-pole, the combination with tubular ridge-pole telescoping sections, having angularly disposed

extremities, of tubular telescoping sections hingedly connected to the angular arms on the ridge-pole sections,



said telescoping sections consisting of an outer slotted member, an inner tubular member, and a clamp to bind the outer and inner members together.

1,407,136. VACUUM BREAKER. RAYMOND N. EHRHART, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Co., a Corporation of Pennsylvania. Filed Nov. 6, 1917. Serial No. 200,626. 4 Claims. (Cl. 137—103.)



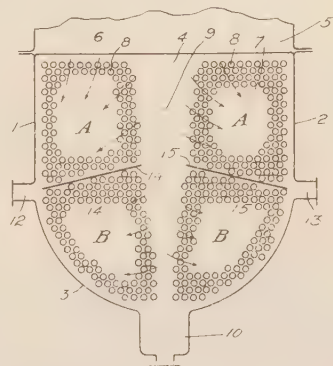
1. In combination with a condenser shell, a chamber into which liquid overflows from the condenser shell when a predetermined level is reached, a valve for establishing communication between the condenser and the atmosphere, a float in the chamber for actuating the valve, means for draining said chamber into the condenser shell below the level of the bottom of said chamber, whereby the valve is held open until the liquid has receded in the condenser shell to a level at which the vacuum in the condenser shell may be safely re-established, and means for preventing a return flow of liquid through the draining means.

2. In combination with a condenser shell, a float chamber communicating with the condenser shell, a float occupying the major portion of the float chamber and responsive to a relatively small amount of liquid, means controlled by the float for admitting air to the condenser shell, and means for draining the float chamber and for retarding said drainage.

3. In a vacuum breaker, a float chamber into which liquid overflows from a condenser when a predetermined level is reached, means for admitting air into the condenser shell, a float in the float chamber for controlling said means, means for draining said float chamber, and means for preventing a counterflow of liquid through said draining means.

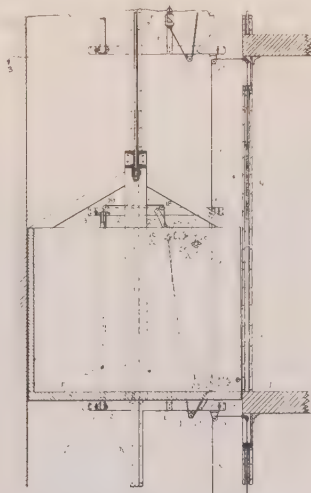
4. In combination with the shell of a condenser, a float chamber communicating near its top with the condenser shell, a double seated balanced valve in the walls of the float chamber for controlling communication between the atmosphere and the chamber, a float depending from said valve for normally holding the valve closed and for opening the valve when the water in the condenser shell overflows into the float chamber, means for draining the float chamber and for retarding said drainage so that the valve is held open long enough to effectively break the vacuum in the condenser shell, and means for preventing a return flow of water through the draining means.

1,407,137. CONDENSER. RAYMOND N. EHRHART, Edgewood, Pa. Filed Nov. 8, 1918. Serial No. 261,711. 4 Claims. (Cl. 257—43.)



1. In a condenser, a shell having a port adjacent to its top, a condensate outlet adjacent to the bottom of the shell, nests of cooling tubes having upper faces disposed transversely of the shell and to the direction of flow through the port and other faces defining therebetween a passageway from the port to the condensate outlet, and a single non-condensable fluid outlet located in each side of the shell and arranged to extract non-condensable fluids at points intermediate the nests.

1,407,138. SELF CLOSING AND OPENING GATE FOR ELEVATORS. ALBERT R. FLIGOR, Cleveland, Ohio, assignor of one-third to Mary Louise Fligor, Cleveland, Ohio. Filed Apr. 29, 1920. Serial No. 377,485. 3 Claims. (Cl. 187—60.)



2. In a self-opening and closing gate for elevators, a frame comprising parallel bars at its ends and a pair of angle iron tracks and a tube rigidly affixed to said bars and sheaves on said bars, sliding shoes engaged with said tracks and a weight suspended by a cable in said tube, in combination with a sliding gate and flexible connections uniting said gates and shoes and weight over said sheaves in series together.

1,407,139. TREE STAY. ERNEST URIAH FOWLER, Tustin, Calif. Filed Feb. 7, 1921. Serial No. 443,177. 3 Claims. (Cl. 47—31.)

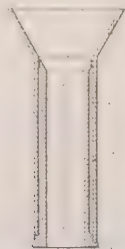
1. A tree stay including a rod having a limb engaging hook at its outer end and an eye at its opposite end, and a second rod having a limb engaging hook and a plurality of closely spaced members adapted to engage said eye for adjustably connecting the two rods together.

3. A tree limb supporting device including a rod bent at one end to form a hook for engagement with one of the limbs of the tree, said rod being bent intermediate its ends



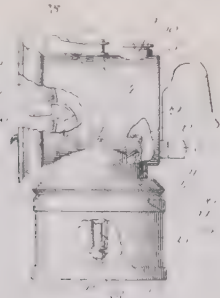
and at its opposite end to form a plurality of comparatively closely spaced hooks, the last named hooks being adapted for engagement with another rod to be connected with one of the other limbs of the tree.

1,407,140. COIN STACKER. PETER F. FRIESEN, Hillsboro, Kans. Filed Jan. 28, 1920. Serial No. 354,578. 1 Claim. (Cl. 133-1.)



A stacker, comprising a cylindrical portion, an inner tube therein having a flared upper end, a flange around the lower end of the inner tube, a key on said flange, said cylindrical portion having a key-way therein receiving the key, and said tube and cylindrical portion have registering perforations.

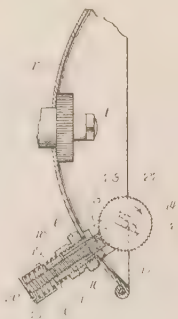
1,407,141. ACETYLENE LAMP. WILLIAM J. FRISBIE, Chicago, Ill., assignor to Justrite Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 3, 1920. Serial No. 378,415. 4 Claims. (Cl. 48-4.)



1. In an acetylene lamp, the combination of a water container and a carbide container, a tube extending from said water container into the carbide container, the lower edge of said tube being beveled to form a conical valve seat, a valve stem extending through said tube, a valve head on

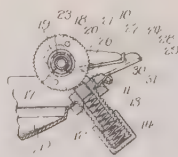
said stem below said tube end, means for turning said stem and shifting it longitudinally in said tube, a neck on said head engaging with the interior of said tube for maintaining said head in axial alignment with said tube, said neck having passageways therethrough for the flow of water, a conical shoulder between said head and neck affording a conical seat for coöperating with said conical valve seat, and projections on said head for engaging with unslaked carbide when said stem is turned to break up said carbide and afford channels for the flow of water to the unslaked carbide.

1,407,142. SPARK-PRODUCING MECHANISM. WILLIAM J. FRISBIE, Chicago, Ill., assignor to Justrite Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 27, 1921. Serial No. 487,956. 16 Claims. (Cl. 67-20.1.)



1. In spark producing mechanism of the class described, the combination of a frame having a longitudinally extending bore, said frame being longitudinally slotted at one end, said slot being of less width than the diameter of said bore, a friction wheel pivoted in said slot, a block of pyrophoric material in said bore, and means for holding said block within range of said friction wheel.

1,407,143. SPARK-PRODUCING MECHANISM. WILLIAM J. FRISBIE, Chicago, Ill., assignor to Justrite Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 29, 1921. Serial No. 496,545. 8 Claims. (Cl. 67-10.1.)

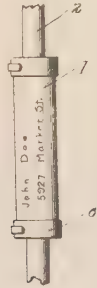


1. In spark producing mechanism of the class described, the combination of a frame, a pin on said frame, a friction wheel having an opening for receiving said pin; a spring surrounding said pin within the wheel opening, said spring being anchored to said wheel and to said frame, means for rotating said wheel against the force of said spring to wind said spring up, sparking material, means for holding said sparking material in range of said wheel, said wound up spring when released causing rapid rotation of said wheel in association with said sparking material to produce sparks.

1,407,144. IDENTIFYING TAG FOR UMBRELLAS. ERNEST L. GAINES, Seattle, Wash. Filed July 25, 1921. Serial No. 487,344. 1 Claim. (Cl. 40-21.)

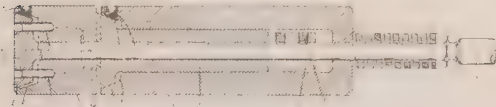
An umbrella tag, comprising a flexible transparent section, a marked fabric section, a binding strip having one edge overturned adapted to receive one edge of the transparent section and the fabric section and hold said sections rigid therewith, the transparent section being longer than

the fabric section, and securing strips secured to the binding strip at the end portions, whereby when the tag is applied to an umbrella rod the fabric strip will encircle said rod, the free edge of the transparent section will extend



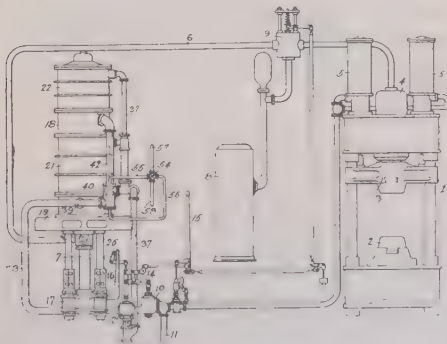
under the binding strip and be held in position thereby, and the securing strips will extend around the rod over the edges of the transparent and fabric sections and the ends secured together for securing the parts to the umbrella rod.

1,407,145. INTERNAL CHUCK. JOHN GASTEINER, Detroit, Mich. Filed Mar. 19, 1920. Serial No. 367,189. 5 Claims. (Cl. 279—2.)



1. An internal chuck comprising a casing having a tapered socket at one end thereof, a series of radially slidable members mounted in said casing and extending into said socket, a sleeve within said casing, a head upon said sleeve at one end of the casing having a tapered portion adapted to engage said socket to deflect said clutch members outwardly, a rod mounted in said sleeve, a head upon one end of said rod conically tapered to engage in a correspondingly shaped socket in the first mentioned head, a series of clutch members mounted in the head carried by the sleeve and adapted to project into said socket and engageable by the head on the stem to deflect said clutch members outwardly, and actuating means for said stem and sleeve.

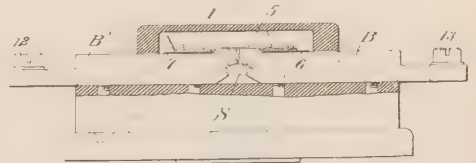
1,407,146. TANDEM STEAM HYDRAULIC APPARATUS. ETHELBERG N. GILLING, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Feb. 10, 1920. Serial No. 357,620. 7 Claims. (Cl. 138—17.)



1. In a steam hydraulic intensifier, the combination of a main intensifier cylinder, an auxiliary intensifier cylin-

der, a ram, pistons in said cylinders connected to the ram, valve mechanism for controlling the steam supply of both cylinders when operated together, and auxiliary valve mechanism for cutting off the steam supply of one of said cylinders, whereby the latter may be put into or out of operation at will.

1,407,147. THERMAL AMMETER. WILLIAM NELSON GOODWIN, JR., Newark, N. J., assignor to Weston Electrical Instrument Company, Newark, N. J., a Corporation of New Jersey. Filed July 27, 1916. Serial No. 111,737. 54 Claims. (Cl. 171—95.)



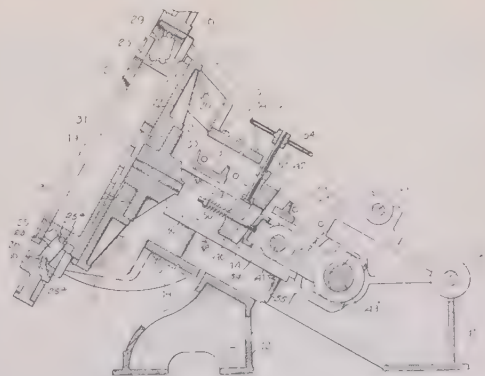
16. A thermal-ammeter comprising terminals, a short heating strip of relatively low electrical resistance and of small heat capacity connected to the terminals; and a thermo-couple of small heat capacity having its hot junction thermally connected to the heating strip.

19. A thermal-ammeter comprising thermally-connected, but electrically-insulated terminals, a short heating strip connected between said terminals; cold-end compensating strips, thermally equivalent to said heating strip, in thermal connection with but electrically insulated from said terminals; and a thermo-couple having its hot junction thermally connected to the heating strip and its cold ends in direct electrical and thermal contact with said compensating strips.

21. A thermal-ammeter comprising terminals, a heating strip connected to the terminals, a thermal compensating device in thermal connection with said terminals, and a thermo-couple having its hot junction thermally connected to the heating strip and its cold ends in thermal connection with said compensating device.

38. In an electrical measuring instrument, means for conducting the current to be measured, and a thermo-electric couple having its joint subjected to the influence of temperature changes in one portion of said conducting means and having another part of said couple subjected to the influence of temperature changes in another portion of said conducting means by direct thermal relation therewith.

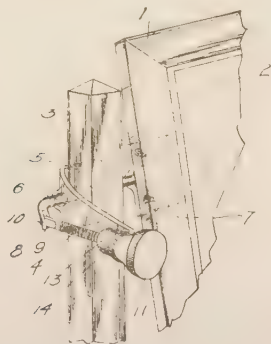
1,407,148. FORMING MACHINE. CHARLES G. GROTHES, Chicago, Ill. Filed Sept. 30, 1919. Serial No. 327,550. 14 Claims. (Cl. 78—15.)



1. A device of the class described having, in combination, a plurality of radially slidable and axially movable compression jaws, toggle means for moving said jaws ra-

dially upon axial movement thereof, and means for adjusting the axial movement of said jaws to vary the radial movement produced by said toggles.

- 1,407,149. MIRROR ADJUSTER. EDWARD F. GRUNEWALD, Kaniab, Idaho. Filed Aug. 1, 1921. Serial No. 488,823. 3 Claims. (Cl. 45—18.)



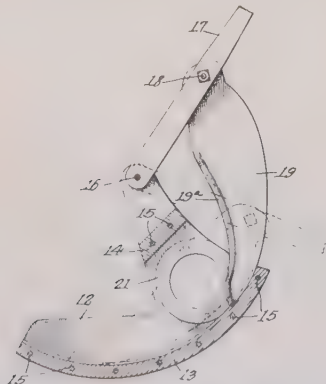
1. The combination with a mirror frame and post, of a bracket on the post, a rock shaft fixed to the frame and journaled in said bracket, a crank arm on the shaft, an angularly disposed screw bar pivoted to said crank arm, and a non-traveling nut supported in said bracket, and threaded over said screw bar.

- 1,407,150. GRAINING TOOL. PAUL A. GSTALDER, Pittsburgh, Pa., assignor to The Ohio Varnish Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 16, 1921. Serial No. 461,970. 12 Claims. (Cl. 41—55.)



1. In a graining tool, the combination of an articulated body and a graining pad carried thereby.

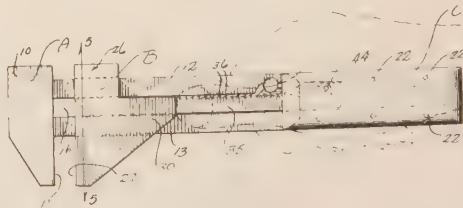
- 1,407,151. BANDAGE CUTTER. GEORGE E. HALCUMB, Winthrop, Calif.; Robert Lee Halcumb, executor of the estate of said George E. Halcumb, deceased. Filed Nov. 11, 1920. Serial No. 423,279. 6 Claims. (Cl. 164—44.)



1. In a roll cutting device, the combination with a suitable frame provided with means for holding a roll to be cut, of a lever pivoted to said frame, a curved and taper-

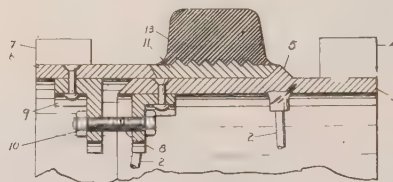
ing cutting knife attached to said lever, and a curved resistance bar with which the said knife is in contact as the said lever is moved downward, so that the said knife is caused to be forced upward through the roll of cloth to be cut.

- 1,407,152. WRENCH. EDMUND L. HAZARD, Hollister, Idaho. Filed Mar. 3, 1921. Serial No. 449,514. 5 Claims. (Cl. 81—139.)



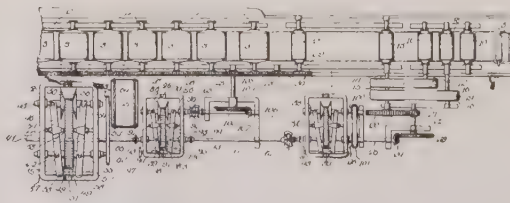
1. A wrench comprising in combination a jaw head, a pair of spaced shanks connected to said jaw head, a second jaw head reciprocally mounted upon said shanks, a ratchet bar rigid with said second jaw head, and a pawl pivotally mounted on one of said shanks for co-operation with said ratchet bar to regulate adjustment of said second jaw head.

- 1,407,153. TRACTION WHEEL. EDMUND E. HANS, Detroit, Mich. Filed Nov. 26, 1919. Serial No. 340,826. 7 Claims. (Cl. 301—39.)



4. In a traction wheel, the combination with a hub and spokes, of telescopingly associated main and supplemental rim members, the main rim member being mounted on the spokes, an intermediate rim member removably mounted on said main rim member at the inner side of its lugs, and means for removably securing said supplemental and intermediate rim members.

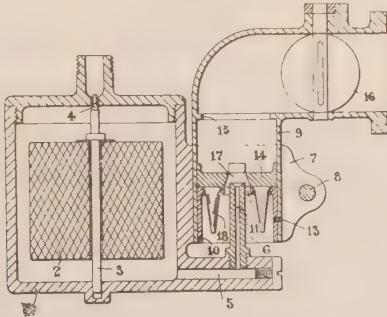
- 1,407,154. PAPER MACHINE. FRANK A. HEADSON, Milwaukee, Wis. Filed Nov. 15, 1920. Serial No. 424,215. 4 Claims. (Cl. 34—48.)



1. In a machine of the class described, a main driving shaft rotatively mounted and adapted to be connected with a source of power, a plurality of counter-shafts rotatively mounted independently of each other and each independently connected with mechanism to be operated, a plurality of pairs of relatively movable truncated-cone shaped disks mounted upon and rotative with said driving shaft, a pair of truncated-cone shaped disks mounted in movable relation to each other upon and rotative with each of said counter shafts, a bevel-edged belt mounted between and having beveled side margins in engagement with the tapered surfaces of each pair

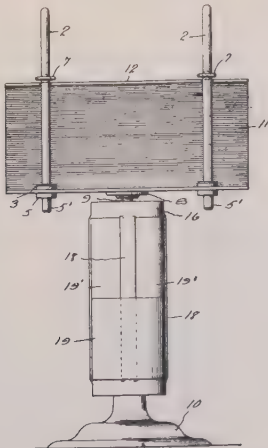
of said last-mentioned truncated-cone shaped disks, and extending between and in engagement with the tapered surfaces of a corresponding pair of said truncated-cone shaped disks on said main driving shaft, and means for shifting the disk members of each pair of belt-engaging disks toward and from each other in a direction lengthwise of the shaft on which such disk members are mounted.

- 1,407,155. CARBURETOR. AAGE JORGEN NELLEMAN, HEMPEL and OLAF AAGE ERNST JACOBSEN, Durban, Natal, South Africa. Filed Apr. 18, 1919. Serial No. 291,095. 1 Claim. (Cl. 261-62.)



In a carburetor for internal combustion engines, the combination with a fuel nozzle of a pipe surrounding said nozzle, a valve seat having a central opening surrounding the fuel nozzle and an outer row of apertures, a valve member with radial arms normally seated on the valve seat and adapted to freely move vertically inside said pipe in accordance with the suction of the engine, said valve member having a central tapered aperture opposite the opening in the valve seat and partially surrounding the fuel nozzle in its normal position, and projections gradually tapered along their whole length, said projections being arranged one on each radial arm of the valve member and fitting into the outer row of apertures in the valve seat, said tapered projections co-operating with the outer row of apertures in such a manner that as the suction action increases and the valve member is raised the passage area through the outer row of apertures is gradually increased.

- 1,407,156. NAPKIN-DISPENSING DEVICE. JOHN D. INGRAM, Texarkana, Tex. Filed Mar. 31, 1920. Serial No. 370,245. 10 Claims. (Cl. 211-29.)



2. A napkin dispensing device of the class described comprising a supporting plate upon which the napkins are adapted to be disposed in a stack, upright members arranged at each side of the plate between which the nap-

kins rest, the lower ends of said upright members projecting through the plate and constituting feet.

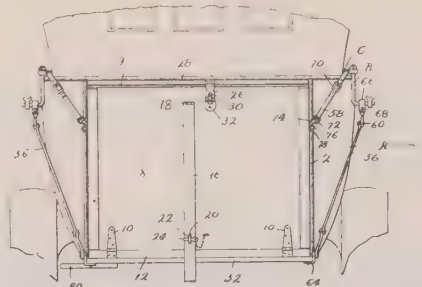
10. A grip piece for napkin holders, comprising a tubular member having sides slit to provide retaining straps for cards, said straps dividing the surface into varying sided sections according to the application of the cards in said retaining means.

- 1,407,157. ELECTRICAL FUSE HEAD AND METHOD OF MANUFACTURING SAME. CHARLES C. JESSEN, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed June 23, 1921. Serial No. 479,766. 5 Claims. (Cl. 102-10.)



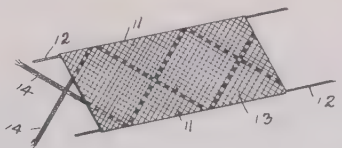
1. The herein described method of manufacturing electrical fuse heads which consists of interposing a sheet of insulated material between two conducting, metallic terminal elements and simultaneously crimping a part of one of said terminal elements and a part of the insulating material about the other of said metallic terminal elements.

- 1,407,158. PORTABLE KITCHENETTE. JAMES H. JOHNSON, Kansas City, Mo., assignor of forty-nine per cent to Alexander L. Smith, Kansas City, Mo. Filed Oct. 12, 1920. Serial No. 416,425. 3 Claims. (Cl. 224-20.)



3. In combination, a receptacle, a closure to said receptacle adapted to serve as a table when adjusted to open position, a support to coact with the receptacle in supporting said closure when the same is opened and fold against said closure when the same is closed, a frame adapted to be secured to a motor vehicle and support the receptacle, a tie rod extending through said receptacle, rings associated with the ends of said tie rods, and straps connected to said rings and adapted to be connected to the motor vehicle to aid in supporting the receptacle.

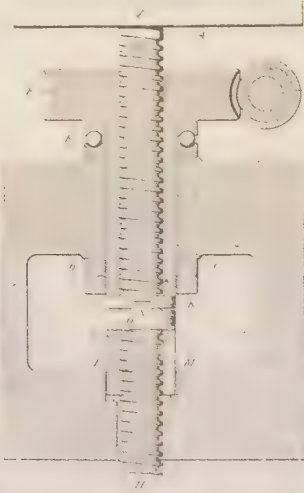
- 1,407,159. METHOD OF FORMING TIRE CASINGS. JOHN P. KING, Providence, R. I., assignor of one-half to Leon E. Danforth, Providence, R. I. Filed May 29, 1919. Serial No. 300,539. 3 Claims. (Cl. 154-14.)



1. A method of forming a tire casing, which consists in first braiding a thread or strand forming a braided

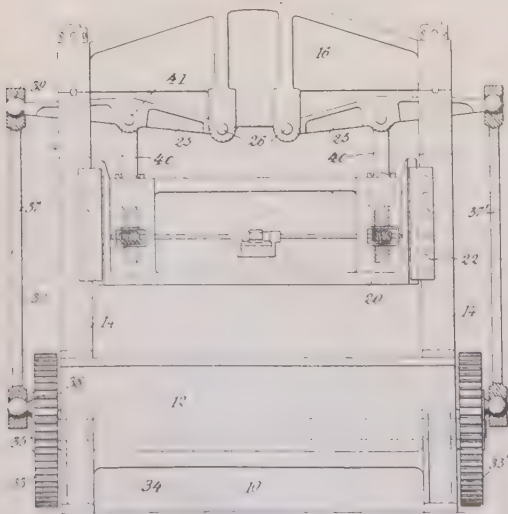
fabric of said braided threads or strands and applying the fabric so formed in layers about the casing by stretching that portion of the fabric intermediate its edges to conform to the contour of the casing.

- 1,407,160. DECLUTCHABLE SAFETY COLLAR FOR ROTATABLE NUTS. DAVID C. KLAUSMEYER, Cincinnati, Ohio, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 9, 1920. Serial No. 422,981. 12 Claims. (Cl. 74-40.)



1. A safety device of the nature disclosed combining a stationary screw; a collar threaded thereon; a nut rotatably threaded on said screw and normally engaging said collar to effect its rotation; and a member slightly spaced from said collar and adapted to receive the thrust thereof in the event of the failure of the nut.

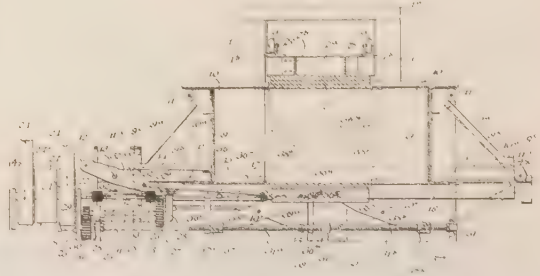
- 1,407,161. PRESS. WILLIAM KLOCKE, New York, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a Corporation of West Virginia. Filed June 2, 1920. Serial No. 386,042. 5 Claims. (Cl. 164-23.)



1. A press having a stationary bed, a slide for a punch or the like above said bed, means for reciprocating said slide toward and from said bed, said means comprising paired levers and means for rocking said levers, said levers being above said slide, and having a connecting rod for each, one end of which is connected to a lever and the other end to the slide, each of said connecting rods

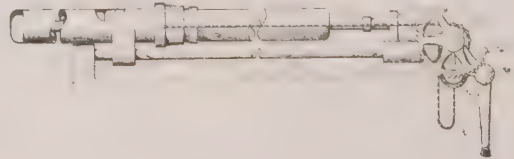
being connected to its lever between the fulcrum of its lever and the point of connection of said rocking means, the joints of said levers to said connecting rods moving in relatively small arcs, the chords of which are approximately in line with the direction of reciprocation of said slide.

- 1,407,162. PRESS. SIMON B. MINNICH, Landisville, Pa., assignor to Mary C. Minnich, Landisville, Pa. Filed May 9, 1919. Serial No. 295,821. 10 Claims. (Cl. 100-9.)



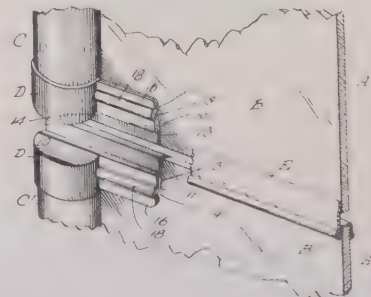
1. A press having plungers movable in straight lines to and from each other constantly in parallel position, a plunger movable transversely to the lines of movement of said plungers first named, means comprising a lever having its opposite ends connected therewith, for moving said plungers first named simultaneously toward each other to effect compression of materials held between them and means comprising pivotally connected struts for thereafter moving said plunger to effect further compression of said materials.

- 1,407,163. PROCESS AND APPARATUS FOR COVERING LITHOGRAPH ROLLS. JULES A. NY, Berkeley, Calif. Filed Apr. 7, 1920. Serial No. 372,056. 7 Claims. (Cl. 154-1.)



2. A machine of the class described comprising a supporting mandril for lithograph rolls, means for engaging a lithograph skin and means for exerting a continuous pull upon said means to draw the skin over the roll.

- 1,407,164. WINDSHIELD AND THE LIKE. JOHN R. OISHEL, Buffalo, N. Y. Filed Feb. 16, 1920. Serial No. 358,992. 10 Claims. (Cl. 296-93.)



8. A corner fitting for retaining transparent panes in their frames, said fitting being constructed to be secured

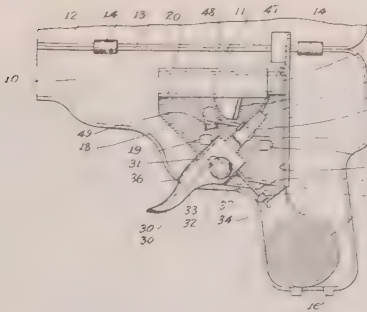
to the frame and having a retaining part to engage the pane, and a contracted part arranged to extend in line with and form an end continuation of one edge portion of the pane to the outer edge of said fitting.

- 1,407,165. DOLL BAG. CHARLES HAMILTON PAJEAU, Evanston, Ill. Filed Aug. 25, 1920. Serial No. 405,891. 4 Claims. (Cl. 46-40.)



1. A combined doll dress and hand bag including the figure of the upper part of a doll having a base formed to seat on a supporting surface in one position, a combined bag and skirt part secured at one end about the base and spaced from the outer face of said base, said bag and skirt part being reversible so that in one position the outer face of said base forms the bottom of a bag and with the doll figure depending from the said end of the bag and skirt part, and means to close the opposite end of the bag and skirt part, said means upon reversal of the skirt and bag part forming hand engaging means to carry the bag.

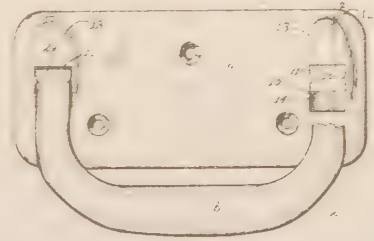
- 1,407,166. TOY PISTOL. CHARLES G. PALMER, Newark, N. J. Filed Mar. 2, 1921. Serial No. 449,098. 4 Claims. (Cl. 42-57.)



1. A toy pistol comprising a hollow body, a plate mounted therein, a guideway formed with said plate parallel to the pistol top and an abutment at an angle thereto formed with said plate, a spring impelled hammer slidable in said guide way contactable with said abutment, a projection on said hammer, a spring returned, manually actuated trigger having a variable fulcrum on said plate, a resilient arm carried by said trigger engageable with said projection, and means for automatically releasing said arm at the full operation of said trigger.

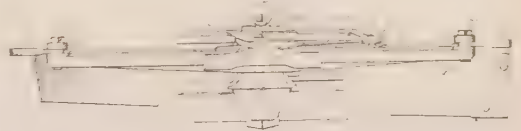
- 1,407,167. HANDLE. STUART W. PARSONS, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Filed July 19, 1920. Serial No. 397,395. 5 Claims. (Cl. 16-176.)
2. A U-shaped bail formed of sheet metal and compris-

ing a grip portion and arms channel-shaped in cross section, said grip portion being of tubular cross section and



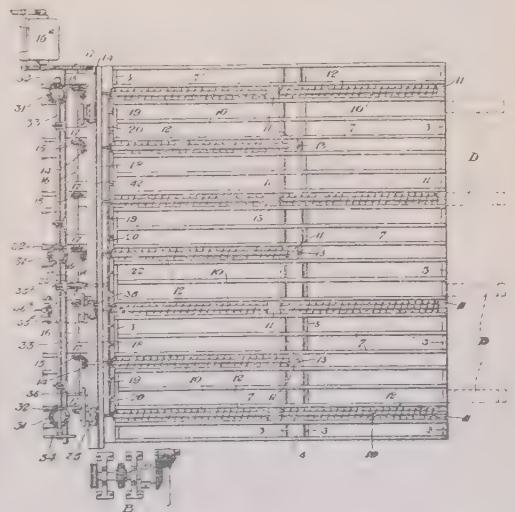
extending around and including the corners at the junctures of said arms and grip portion of the bail.

- 1,407,168. SAW-FILING MECHANISM. JOSEPH REIF, Hebron, Ind., assignor of forty-five per cent to Francis E. Ling, Hebron, Ind. Filed June 1, 1920. Serial No. 385,483. 17 Claims. (Cl. 76-33.)



1. A saw filing device comprising a pair of long jaws for holding the saw blade to be filed, one of said jaws having lugs or extensions at its ends, bolts passing through said extensions of one jaw and through the ends of the other jaw, and means at the ends of said jaws for drawing said jaws together to clamp the saw.

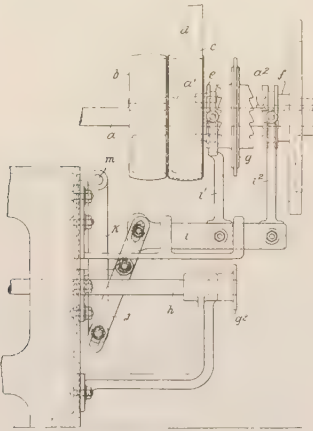
- 1,407,169. COOLING TABLE. MAX ROSENKRANZ, Pittsburgh, Pa., assignor to National Tube Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Aug. 3, 1920. Serial No. 401,043. 10 Claims. (Cl. 80-42.)



10. A cooling table comprising, in combination, a frame, conveyers on said frame, and a conveyer trough secured to and supported on said frame, said trough comprising a trough bottom, a cover for said bottom, a vertically movable barrier adapted to lift materials discharged from said trough, a stationary barrier adapted to engage and hold materials delivered from said trough, and means for

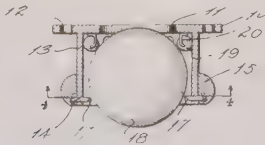
automatically reciprocating said movable barrier to lift materials above said stationary barrier in delivering materials to said conveyers.

1,407,170. COMBING MACHINE. THOMAS ROSS, Prestwich, near Manchester, England, assignor to John Hetherington and Sons Limited, Manchester, England. Filed June 2, 1920. Serial No. 386,128. 3 Claims. (Cl. 19-115.)



1. A combing machine comprising, in combination, a shaft having fast and loose pulleys mounted thereon, a sprocket wheel loosely mounted on said shaft and having clutch faces at each side, a fan shaft, a sprocket wheel mounted thereon, a chain connecting said sprocket wheels, a clutch member slidably keyed to the loose pulley for engagement with one of said clutch faces, a clutch member slidably keyed to the shaft for engagement with the other clutch face, and means for engaging one or other of said clutch members with the sprocket wheel or disengaging both.

1,407,171. CASTER. AUGUST H. ROTH, New York, N. Y. Filed May 12, 1921. Serial No. 469,039. 1 Claim. (Cl. 16-26.)

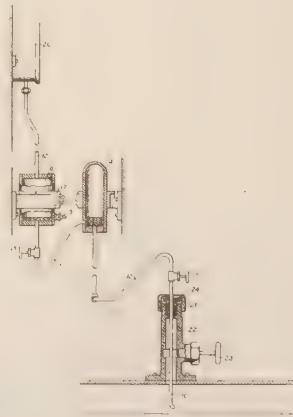


A caster comprising, an attaching plate, a tubular cage depending from the plate, a spherical bearing member adapted to be received in the cage, the cage having slots formed near its lower end; tongues adapted to be projected through the slots, a ring surrounding the cage and connected to the tongues for projecting and withdrawing the same, and anti-friction bearings at the upper end of the cage against which the bearing member runs.

1,407,172. SYSTEM FOR INDICATING THE SPEED OF BOATS. FRANK B. SANBORN, Cambridge, Mass. Filed Nov. 22, 1918. Serial No. 263,708. 6 Claims. (Cl. 73-122.)

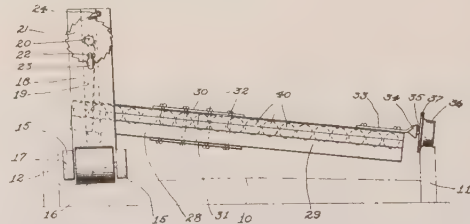
1. In a system for indicating the speed of boats by hydraulic pressure, created by the travel of the boat, a

recording gage, means for receiving hydraulic pressure, a pipe connecting the receiving means and gage, and a



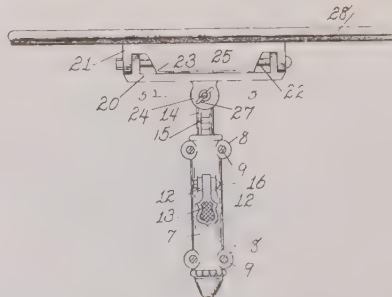
compensating chamber and a cushioning chamber connected to the pipe at separated points.

1,407,173. BRICK CONVEYER. JOHN SIEWIOREK, Geneva, Ohio. Filed July 8, 1921. Serial No. 483,167. 2 Claims. (Cl. 193-55.)



1. A conveyer comprising a pair of spaced sectional beams, means for uniting the sections thereof, a plurality of freely revoluble rollers journaled between said beams, a conically faced support wheel mounted at one end of said beams, said wheel having a flange on the side adjacent the rollers, means for positively raising and lowering the other end of the beams, and means for retaining the beams in adjustment.

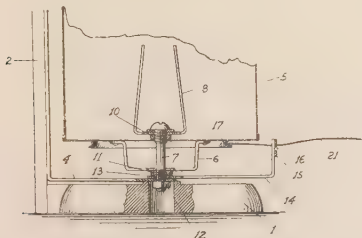
1,407,174. ARMREST. LESLIE H. SIMPSON, Springfield, Ill. Filed June 2, 1921. Serial No. 474,450. 2 Claims. (Cl. 296-1.)



2. An armrest for vehicles, comprising a casing having lateral ears; a table supported on the casing and movable vertically and inclinable forwardly and laterally relatively

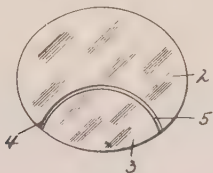
to the axis of the casing; and attaching means co-acting with the ears of the casing to detachably connect the casing with the vehicle.

1,407,175. COMBINED TWINE HOLDER AND ADVERTISING DEVICE. BURDSEY W. SMITH, Oroville, Calif. Filed Jan. 10, 1921. Serial No. 436,088. 5 Claims. (Cl. 242—146.)



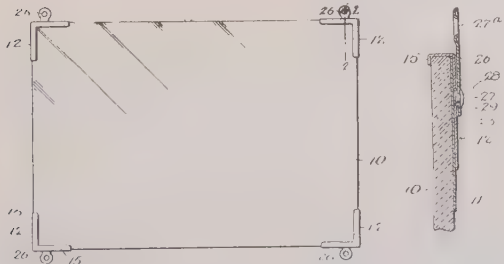
3. A device of the character described comprising a base adapted to rest on a counter or the like, a cylinder thereabove, a fixed pin projecting up from the base and through the bottom of the cylinder, twine-cone holding means on the upper end of the pin, a bracket depending from the cylinder and in which the pin is journaled, the cylinder and bracket being turnable on the pin, and means for regulating the frictional engagement of the fixed relative to the rotatable members.

1,407,176. BIFOCAL LENS. HAROLD J. STEAD, Geneva, N. Y. Filed Oct. 18, 1921. Serial No. 508,570. 4 Claims. (Cl. 88—54.)



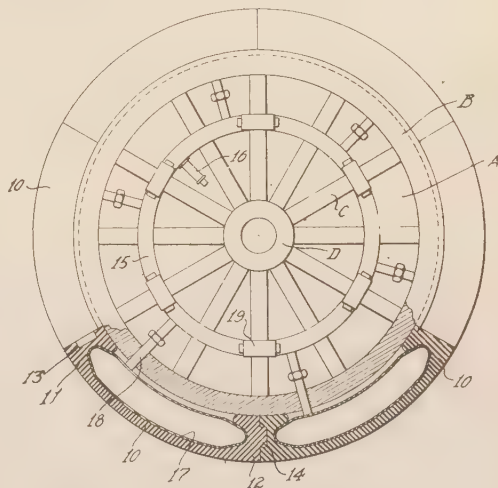
1. A bifocal lens having a groove separating the visual surfaces thereof and a filling of material in said groove.

1,407,177. MOUNTING FOR MIRRORS, PICTURES, SIGNS, OR OTHER DISPLAYED ARTICLES. NATHAN M. STONE, Chicago, Ill. Filed Sept. 12, 1921. Serial No. 499,956. 8 Claims. (Cl. 40—158.)



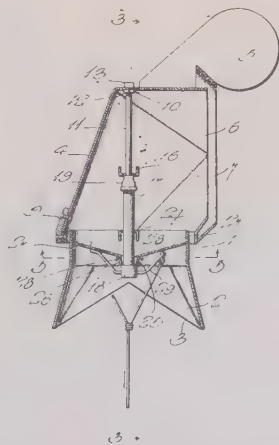
6. A mounting of the class described, comprising a backing, a plurality of separate retaining pieces, secured to said backing by tongue and slot connections, and each formed with a narrow continuous flange portion paralleling and overlying the edge portion of an article mounted in the mounting, and pivotal supporting connections extending from at least two of said retaining pieces.

1,407,178. SECTIONAL PNEUMATIC TIRE. JOHN N. STOUT and EDWARD E. PARSONAGE, Staunton, Ind. Filed Dec. 13, 1920. Serial No. 430,309. 1 Claim. (Cl. 152—22.)



In a pneumatic tire comprising a plurality of arcuate tire sections secured in end to end relation and each enclosing an inflatable pneumatic tube, a tubular ring located concentrically of and within and consequently of less diameter than said tire sections and provided with an inflation permitting valves, a plurality of relatively small tubes communicating at one end with said inflatable tubes and communicating at their other ends with said tubular ring, and means for maintaining equal pressure within all of said inflatable tube sections, comprising a series of equalizing valves associated with said tubular ring and located between the successive ones of said last named tubes, each of said equalizing valves comprising a casing secured or formed upon the tubular ring and provided internally with a partition having a hole there-through, the tubular ring being formed with a partition in alignment with said first named partition and the tubular ring being provided with holes communicating with said casing at opposite sides of said partition therein, and a spring pressed valve located within the casing and normally closing the hole in the partition.

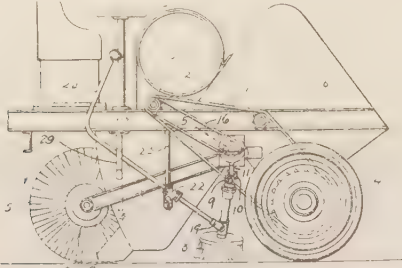
1,407,179. REVOLVING VENTILATOR. JOHN W. TIDWELL, Tulsa, Okla., assignor of one-half to James Fitz Gerald, Tulsa, Okla. Filed June 26, 1919. Serial No. 306,802. 2 Claims. (Cl. 98—3.)



1. In a ventilator, an exhaust passage, a cowl at the upper end of said passage, a tubular shaft depending from said cowl and forming an oil reservoir, a fixed tubular shaft depending from said cowl and forming an oil reservoir, and a revolving shaft depending from said cowl and forming an oil reservoir.

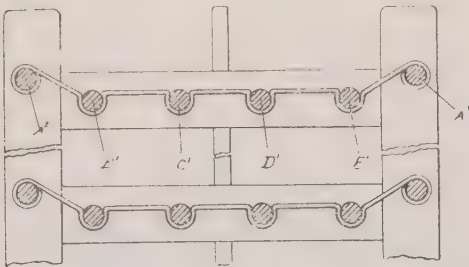
lar socket member in which said shaft is received and into which it discharges oil, a ball in said socket on which said shaft rests, spaced circumferential shoulders on said shaft, and floating rings surrounding said shaft between said shoulders.

- 1,407,180. GUTTER-CLEANING ATTACHMENT FOR STREET-CLEANING MACHINES. DANIEL M. TODD, Elgin, Ill. Filed July 12, 1920. Serial No. 395,624. 12 Claims. (Cl. 15-87.)



1. In a street sweeping machine, a power-rotated gutter-cleaning brush mounted on a downwardly directed shaft articulated for permitting adjustment thereof in directions both laterally and rearwardly of the machine, and separate adjustable means for maintaining predetermined lateral and rearward inclinations of the said shaft regardless of the movement of the machine.

- 1,407,181. SHOE-RACK STABILIZER. GERALD E. TURNER, Lynn, Mass. Filed Sept. 14, 1921. Serial No. 500,605. 3 Claims. (Cl. 211-14.)



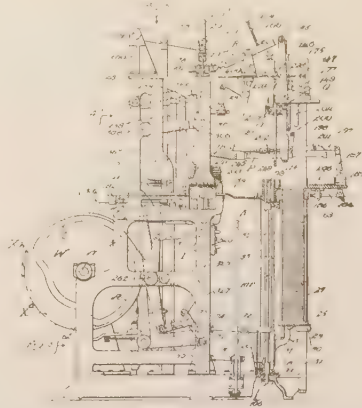
1. A device of the type described having its ends shaped to hook on to and about the outer rounds of a shoe rack and having intermediate its ends means of fitting about and gripping the inner rounds of said rack, all acting as a tie in supporting and holding the said rounds in their normal relative position in use, all substantially as described and for the reasons specified.

- 1,407,182. HEEL-BUILDING MACHINE. ERASTUS E. WINKLEY, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 30, 1914. Serial No. 828,252. 83 Claims. (Cl. 12-50.)

1. A machine for making heels having in combination, a series of magazines adapted to hold lifts piled in stack formation, means for producing a series of lifts from said magazines and depositing them in a dispersed relation adjacent said magazines, and means for collecting said dispersed lifts into a stack.

9. A mechanism of the nature disclosed combining a magazine adapted to contain a stack of blanks; a picker for seizing individual blanks; a head for withdrawing said picker with its seized blank in a direction transverse

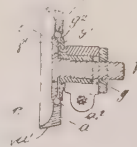
to the plane of the blank; and a locator for shifting the position of the picker in a direction substantially parallel with the plane of the blank.



17. A mechanism of the nature disclosed combining an anvil member; mechanism for automatically stacking a series of adhesively coated blanks on said anvil; a pressure member adapted to advance to press said stack of blanks together against said anvil member; and means operative through one of said members to dislodge the stack therefrom when said members are moved apart to release the stack of blanks.

21. A mechanism of the nature disclosed combining a plurality of members each having a blank-receiving seat and each having a relatively movable platform adapted to receive a blank and position it in said seat; and means for moving said members to bring said seats into superimposed relation and effect a lateral displacement of said platforms to enable said blanks to be directly contacted together flatwise.

- 1,407,183. PRESSER WHEEL. FRANK F. WITKUS, Newport, N. H. Filed Apr. 21, 1921. Serial No. 463,223. 6 Claims. (Cl. 112-235.)

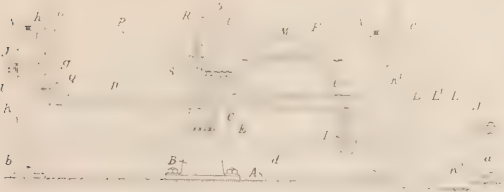


1. A presser wheel for the purpose described consisting of a ring having its peripheral face extending convergently from its front side and a ball race groove in its inner periphery arranged correspondingly to said face to receive the thrust thereon, a series of bearing balls in said groove, a shaft extending through said ring and having a circular head thereon at the front side of said ring, a bearing flange at the rear side of said ring, having a screw-threaded connection with said shaft, said head and said flange having circular bearing faces arranged for cooperative engagement with said bearing balls, and means for supporting said shaft at the rear side of the wheel.

- 1,407,184. APPARATUS FOR MAKING WIRE SIEVES OR FLOORS. PERCY BOOTH, Warrington, England. Filed Nov. 2, 1921. Serial No. 512,313. 11 Claims. (Cl. 140-102.)

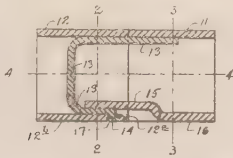
1. A machine for manufacturing wire having loops at spaced intervals thereon, comprising in combination a revolving disc; means for carrying a spool of wire eccentrically on said disc; pin-carrying means rotated step-by-step and about which the revolving disc moves; a plurality of radially movable pins carried by said pin-carrying means; intermittent motion gear actuated by the revol-

ing disc for rotating the pin-carrying means a fraction of a revolution at each revolution of the revolving disc; means for guiding and tensioning the wire on its way



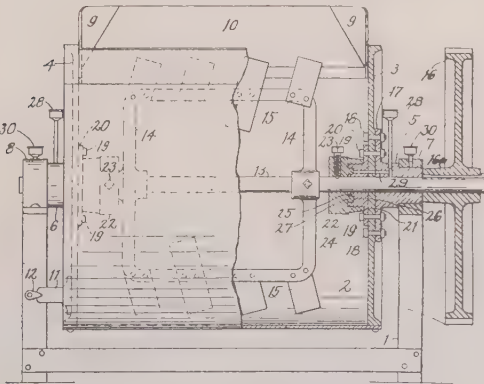
to the pins, and means for projecting each pin into a position for the wire to be looped around it, by the revolution of the revolving disc, and retracting the pin from the loop at a predetermined point in the revolution.

1,407,185. BELT BUCKLE. ISRAEL BENJAMINS, Brooklyn, N. Y. Filed Apr. 30, 1921. Serial No. 465,884. 5 Claims. (Cl. 24—238.)



1. In a belt buckle a socket-piece and a hand-piece, each of said pieces having a front, which is a continuation of the front of the other piece, combined with a U-shaped spring situated in and adapted to act in a plane substantially parallel to the front of the buckle, said spring being connected to the hand piece, and adapted to be detachably interlocked with said socket piece.

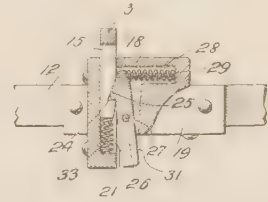
1,407,186. JOURNAL BOX FOR MIXING MACHINES. CHAUNCEY L. BROWN, Northfield, Minn., assignor to Northfield Iron Company, Northfield, Minn. Filed Nov. 13, 1920, Serial No. 423,968. Renewed Dec. 10, 1921. Serial No. 521,517. 2 Claims. (Cl. 64—25.)



1. In a container having a rotating shaft extending through a portion of it; said portion having a bearing about said shaft; said bearing having an outward extension provided with an oil duct and an oil-cup applied thereto, and a cylindrical inward extension with an annular recess in the face of its inward end, a collar snugly fitted on the shaft within the inclosure or container and having a hollow cylindrical extension telescoping snugly upon the extension having the recess and fitting against the base of the bearing; said hollow extension having an annular rim fitting snugly into the annular recess, and said oil duct extending through the bearing so as to lubricate all the parts thereof.

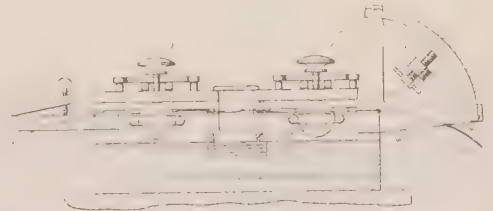
295 O. G.—34

1,407,187. ATTACHMENT FOR AUTOMOBILES AND THE LIKE. ELMORE R. CLARK, New Brunswick, N. J. Filed Dec. 22, 1920. Serial No. 432,387. 3 Claims. (Cl. 280—154.)



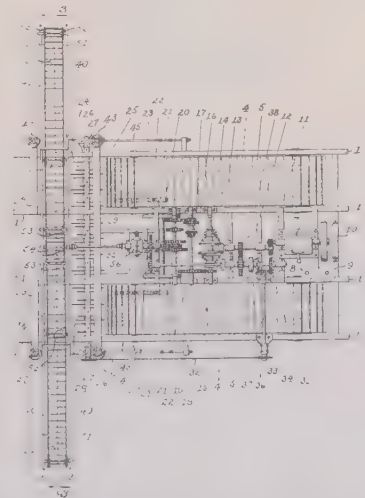
3. An attachment for automobiles and the like, comprising a mud guard and bracket, the bracket having a notch therein, a latch mounted on the frame of the automobile and spring-pressed into engagement with the notch of the bracket for detachably holding the mud guard in place, and means for forcing the bracket out of engagement range of the latch when the latter has been operated.

1,407,188. BAND-SAW BRAZING CLAMP. WILLIAM C. CORMACK, Chicago, Ill. Filed Oct. 16, 1920. Serial No. 417,479. 15 Claims. (Cl. 113—99.)



1. A band saw brazing appliance comprising means for holding the two ends of the saw in spaced overlapping relation to each other, and two other means respectively engaging the two ends of the saw back of the tips of said ends for forcing the said ends flatwise against each other.

1,407,189. SALT HARVESTER. CHARLES A. CUNNINGHAM, Alvarado, ANDREW CHRISTENSEN, Alameda, and FRANK W. BARTLETT, Berkeley, Calif., assignors to Continental Salt and Chemical Company, San Francisco, Calif., a Corporation of California. Filed Sept. 20, 1919. Serial No. 325,263. 5 Claims. (Cl. 37—25.)



1. A harvester comprising a tractor; a pick-roll driven by the tractor and having teeth for penetrating, loosening and throwing a portion of the material to be har-

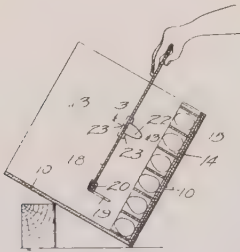
vested; a conveyer frame; a conveyer in said frame driven by the tractor for receiving and disposing of said material; an excavating foot carried by the conveyer frame, adapted to lift the remainder of the material loosened by the pick-roll and to deliver it to the conveyer; a frame carrying both the pick-roll and the conveyer frame; drag links connecting said carrying frame with the tractor; and means for adjustably suspending said carrying frame from the tractor to regulate the depth of cut of the pick-roll and the excavating foot.

1,407,190. RAZOR STROP. WILLIAM J. F. DAILEY, Ridgewood, N. J., assignor of one-half to Paul J. Watrous, Pasadena, Calif. Filed Feb. 16, 1920. Serial No. 358,807. 2 Claims. (Cl. 51—198.)



1. A razor strop consisting of an endless strop engageable over the hand of the user and including a section of leather and a section of elastic material, said parts being easily adjustable to different diameters.

1,407,191. EGG CANDLING AND HANDLING DEVICE. WILBUR DAVIS, Collins, Iowa. Filed May 23, 1921. Serial No. 471,899. 2 Claims. (Cl. 99—6.)

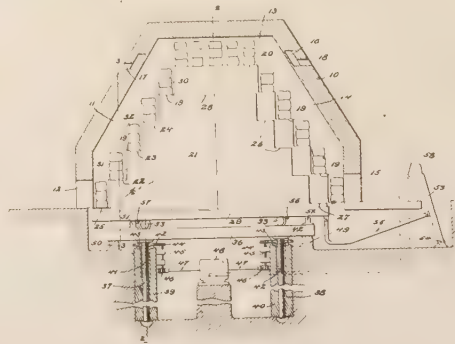


1. In a device of the class described, the combination of an egg case, having two sides capable of being removed for permitting access to the interior of the case with a transparent plate longer than the egg filler used in such case, said plate having at one end and at its sides fingers projecting at right angles from the plate and adapted to be inserted at the three sides of the filler between the filler and the walls of said case by a movement directly downwardly in the case from the top toward the bottom thereof.

1,407,192. CONTINUOUS KILN. WALTER G. DE STEIGNER, San Diego, Calif. Filed June 2, 1920. Serial No. 385,964. 23 Claims. (Cl. 25—142.)

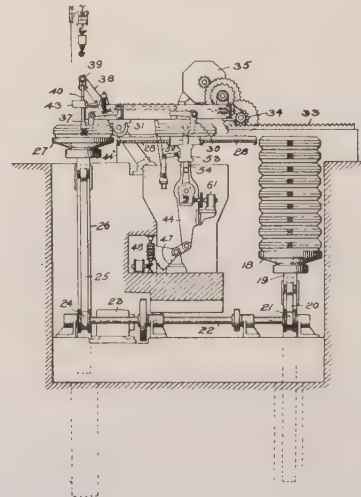
1. The combination in a continuous kiln having a substantially horizontal middle portion and downwardly directed end portions, of means for moving a series of mechanically unconnected and separated articles to be treated

by intermittent successive steps up one end portion across the middle portion and down the other end portion, and



means for independently supporting said separated articles during the interval between stepped movements.

1,407,193. MANUFACTURE OF RUBBER TIRES, ETC. AUGUST P. DIESCHER, Pittsburgh, Pa. Filed May 14, 1920, Serial No. 381,329. Renewed Jan. 17, 1922. Serial No. 530,000. 8 Claims. (Cl. 18—4.)



1. In a plant for treating rubber tires the combination of two vertically movable heads adapted to support a plurality of molds, means for shifting the molds in succession from one head to the other and means intermediate the heads for loosening the mold sections from the completed tire.

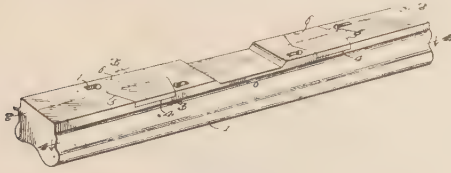
1,407,194. CEMENTING COMPOSITION. KNUT O. DUFVA, St. Paul, Minn.; Mathilda Dufva executrix of said Knut O. Dufva, deceased. Filed May 13, 1918. Serial No. 235,032. 9 Claims. (Cl. 106—8.)

6. A cementing composition comprising minute metal particles, powdered corundum and a vehicle adapted to form a resilient sealing medium.

1,407,195. INSULATED RAILROAD TIE AND RAIL-FASTENING MEANS THEREFOR. PATRICK J. DUNN, Holland, Ohio. Filed June 4, 1921. Serial No. 474,966. 20 Claims. (Cl. 238—84.)

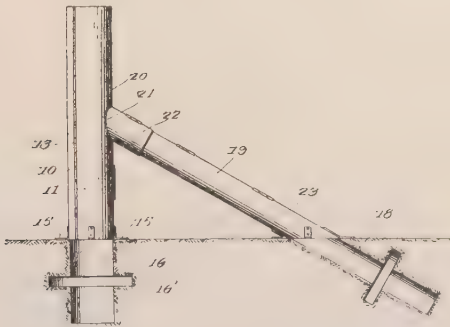
1. In a device of the character and for the purpose indicated, the combination with a glass tie body having wire

fabric reinforcing, the greater portion of which being located near the bottom of the tie body, said tie body having



openings or passages located adjacent the rail engaging parts of the tie, for the reception of rail anchors.

1,407,196. CEMENT-POST MOLD. NELS J. JOHNSON, Wallingford, Iowa. Filed Jan. 26, 1921. Serial No. 440,111. 2 Claims. (Cl. 25—118.)

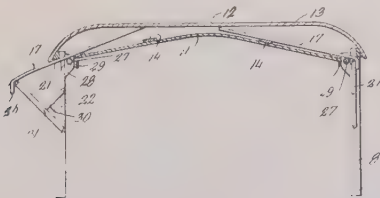


1. A fence post mold including a post body mold portion comprising separable sections which when assembled form a tube, a brace mold portion detachably connected to one of said sections, one of the sections being shorter than the other sections, and arranged below the connection of the brace mold, a small section removably disposed below the said shorter section, for removal to facilitate the removal of the said shorter section and the brace mold.

1,407,197. FABRIC USED IN THE MANUFACTURE OF BALLOONS AND DIRIGIBLE AIRSHIPS. ALEXANDER JOHNSTON, Edinburgh, Scotland, assignor to The North British Rubber Company, Limited, Edinburgh, Scotland. Filed Sept. 15, 1919. Serial No. 323,966. 7 Claims. (Cl. 154—46.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. A balloon envelope fabric comprising a plurality of textile plies and an intermediate layer of gelatine.

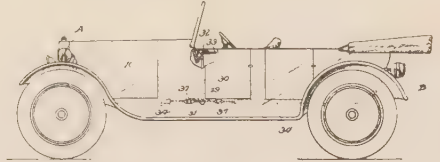
1,407,198. TOP FOR VEHICLES. THOMAS H. JONES, Albia, Iowa. Filed Sept. 28, 1920. Serial No. 413,284. 2 Claims. (Cl. 296—146.)



1. A top for vehicles including a sash equipped with a lower opaque pane and an upper transparent pane, the latter of which lies in the path of vision of the vehicle occupants when the sash is in a vertical position, said sash

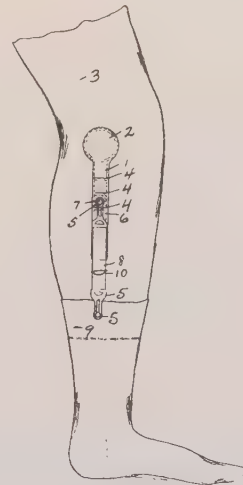
being slidable into the vehicle top to dispose the transparent pane therein and to retain the opaque pane at an inclination from the top of the vehicle to capacitiate as a sun shade for the occupants of the vehicle, and links carried by each sash and engageable with the vehicle body to hold the sash in a predetermined position of adjustment.

1,407,199. DIRECTION SIGNAL FOR MOTOR VEHICLES. JOHN J. JUDGE, Jessup, Pa. Filed Apr. 18, 1921. Serial No. 462,088. 5 Claims. (Cl. 116—43.)



1. A direction signal including a casing having side walls and provided with a sight window, one of said side walls being removable, a shaft journaled through the side walls, means associated with the shaft securing the removable side wall in position, spokes extending from the shaft, a drum carried by said spokes and provided with signal signs, and means for rotating the shaft to selectively dispose said signal signs opposite said sight window.

1,407,200. HOSE SUPPORTER. WILLIAM J. KELLY, Youngstown, Ohio. Filed May 26, 1921. Serial No. 472,855. 1 Claim. (Cl. 241—1.)

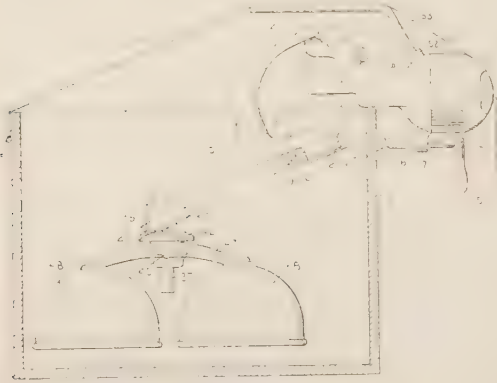


In a device of the class described, an unelastic strap provided with a plurality of inverted pockets, the upper end of said unelastic strap having an enlarged circular portion, an elastic strap provided with grips at both ends for the purpose of gripping the outer portion of the inverted pockets and attaching to hose, substantially as described for the purpose set forth.

1,407,201. WASHING MACHINE. JAMES B. KIRBY, Cleveland, Ohio. Filed Apr. 11, 1921. Serial No. 460,451. 24 Claims. (Cl. 259—144.)

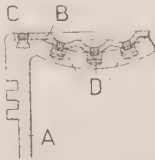
1. In a washing machine in combination, a rotatable crank, a lever pivoted upon a fixed transverse axis which intersects the crank axis at a distance from the plane

of the crank, said lever having a branch which is oscillatable about the longitudinal axis of the lever, said branch



having a universal connection with said crank, and washing devices operatively connected to said lever.

1,407,202. METHOD OF JOINING METAL ARTICLES
GOTTFRIED KÜBLER, Kiel-Gaarden, Germany, assignor to Fried. Krupp Aktiengesellschaft Germaniaerft, Kiel-Gaarden, Germany. Filed Mar. 3, 1921. Serial No. 449,506. 4 Claims. (Cl. 29—156.5.)



1. A method of joining a weldable member with a non-weldable member which consists in mechanically uniting an element of weldable material with the non-weldable member and welding said weldable member to said element, one of said members to be joined having an undulated shape to enable it to expand relative to the other member.

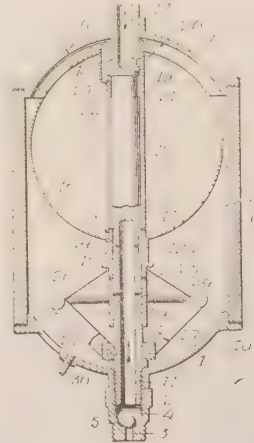
1,407,203. SAFETY GUARD. WILLIAM KUEHNLE, Woodhaven, N. Y. Filed Apr. 12, 1919. Serial No. 289,631. 2 Claims. (Cl. 74—105.)



1. The combination with the platen of a printing press, of a pivot housing stationary relative to said platen, a pivot member for said platen journaled in said pivot housing, a safety guard comprising brackets secured to the edges of the platen adjacent to the face thereof, guides formed thereon, slide-bars slidably mounted in said guides, a curtain suspended between said slidebars and said brackets, abutment means on said pivot housing above the axis of rotation of the platen, said platen rocking away from said

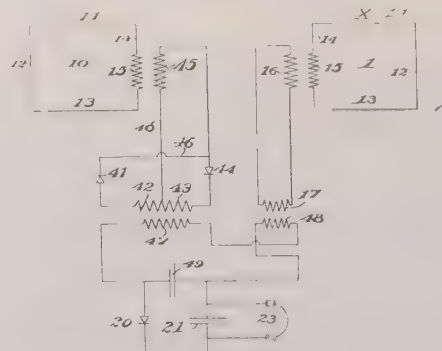
abutment means when swinging into printing position, and links adjustable as to length connecting the lower ends of said slidebars with said abutment means so as to project said safety guard when the platen is rocked into printing position.

1,407,204. FUEL-FEEDING DEVICE FOR INTERNAL-COMBUSTION ENGINES. NATHANIEL LOMBARD, Worcester, Mass. Filed Apr. 21, 1919. Serial No. 291,512. 12 Claims. (Cl. 158—36.)



1. In a fuel feeding device, a fuel container mounted on a vertical spindle, and a second fuel container located within the first named container and carried on a sleeve in sliding engagement with said spindle, the said spindle and the said sleeve being provided with valve passages for controlling the flow of fuel between said containers.

1,407,205. RADIO RECEIVING SYSTEM. ROBERT H. Marriott, Bremerton, Wash. Filed Dec. 26, 1916. Serial No. 138,728. 3 Claims. (Cl. 250—20.)

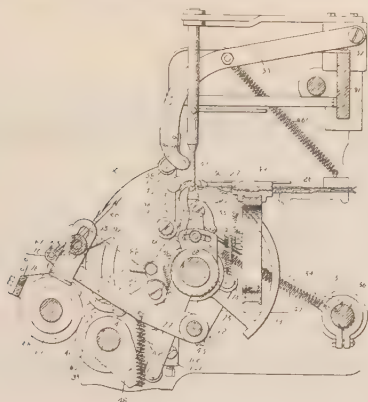


1. In a radio signalling device, the combination with a plurality of receiving circuits susceptible to impulse excitation and having radio frequencies, of a neutralizing circuit and a circuit which contains a stationary aperiodic frequency changer.

1,407,206. ENVELOPE-MAKING MACHINE. HOWARD F. MARSTON, Dayton, Ohio. Filed Oct. 1, 1919. Serial No. 327,743. 27 Claims. (Cl. 93—61.)

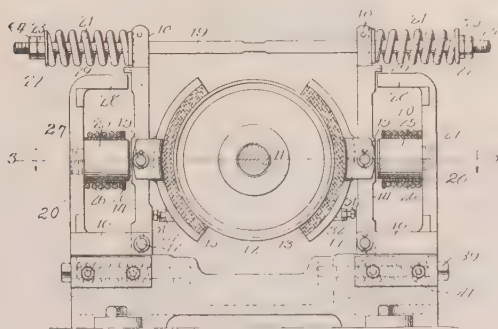
1. In an envelope making machine, in combination with the folder blade and squeezing rolls, an oscillating carrier equipped with a folder bar, means for actuating said bar to fold the bottom flat of an envelope around

the folder blade and then grip the envelope and hold it on the carrier while the carrier moves from the folder



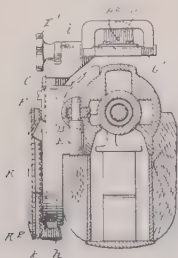
blade to the squeezing rolls, and independent of the folder bar means for starting the envelope between said rolls.

1,407,207. ELECTRIC BRAKE. ARTHUR W. MCAULY, Oakmont, Pa. Filed Jan. 26, 1920. Serial No. 354,138. 7 Claims. (Cl. 188—171.)



1. In an electric brake, the combination of a brake drum, pivotally mounted brake shoes adapted to bear thereagainst in braking, means normally forcing said shoes against said drum, electrical means for withdrawing said shoes, and means for bodily adjusting said shoes and said electrical means radially of the drum to compensate for wear of the brake shoe lining.

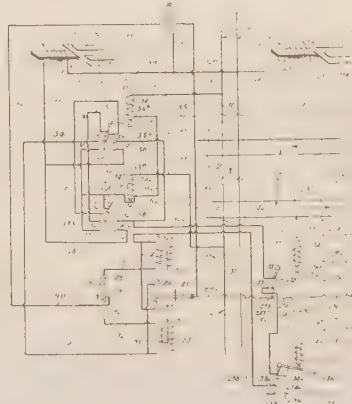
1,407,208. RIFLE SIGHT. DOUGLAS CASSEL MCDUGAL, U. S. Marine Corps, assignor of one-half to Harry C. Wilson, New York, N. Y. Filed May 18, 1921. Serial No. 470,547. 8 Claims. (Cl. 33—56.)



1. A sight for "Springfield" rifles, embodying a sight frame having a gaging surface formed to fit the ejector lug on the receiver of the rifle and an aperture in alignment with the ejector pin aperture for the reception of

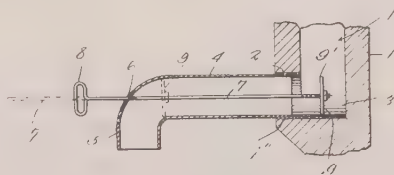
the projecting end of a long pin substituted for the original ejector pin, said sight having vertically and laterally adjustable members carried by the sight frame for elevation and windage adjustment.

1,407,209. INTERSECTION-OPERATING SYSTEM. SAMUEL E. MCFARLAND, Los Angeles, Calif., assignor to Cobb Shockless Crossing Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 11, 1918, Serial No. 216,578. Renewed Aug. 22, 1921. Serial No. 494,377. 29 Claims. (Cl. 246—258.)



7. In combination with two intersecting tracks and an intersection mechanism adapted to make either track continuous at the intersection, a controlling system for the mechanism embodying a pair of controlling means actuable by cars or trains on opposite sides of the intersection, either of said controlling means when actuated controlling the intersection, and interacting means between the controlling means holding either of them in its actuated position and releasable by the other when actuated.

1,407,210. DAMPER SEAT. ELBERT A. MCSADDEN, Crawfordsville, Ind. Filed Dec. 29, 1919. Serial No. 347,950. 1 Claim. (Cl. 126—292.)



In combination with a chimney having a flue and an opening in the flue, a damper seat consisting of a relatively short pipe section having its outer extremity formed as a semicylindrical portion, said damper seat adapted to be positioned within the opening of a flue, the outer extremity of the damper seat lying flush with the front wall of the flue, the inner end of the damper seat being open, a pipe having one end thereof positioned within the damper seat, a damper movable within the damper seat, said damper having a curved cut out portion, and a rod for moving the damper.

1,407,211. FLEXIBLE CONDUIT FOR BOLTERS. CLARENCE ELMER MINER, Concordia, Kans., assignor of one-half to E. Crooks, Concordia, Kans. Filed June 1, 1920. Serial No. 385,805. 2 Claims. (Cl. 193—41.)

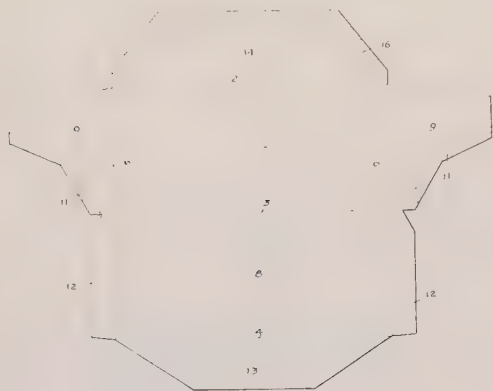
1. A conduit for bolters comprising a relatively short fabric stocking, an extensible tubular member, to one end of which the stocking is connected, the opposite end of

said stocking being designed to be connected with an inlet or discharge opening in the sifter box, and yieldable means



connected with the sections of said extensible member to resist longitudinal extension of the latter, said yieldable means serving also to render the aforesaid stocking taut.

1,407,212. SAFETY ENVELOPE. EUGENE F. NISSEN, Alameda, Calif. Filed Oct. 18, 1919. Serial No. 331,520. 1 Claim. (Cl. 229—78.)

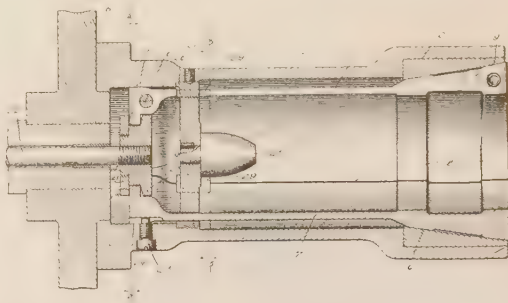


A safety envelope comprising a front side folded over a back side, end flaps on the back side being folded over the front side, clamps secured to the outside face of the end flaps and front side, a sealing flap on the back side extending over the front side and end flaps and partly covering said clamps, said sealing flap having eyelets therein and prongs on said clamps adapted to extend through said eyelets, said sealing flap having marked thereon, around said eyelets, a space for sealing wax and a wax seal applied to said space, covering the exposed part of the clamps and adhered to said end flaps, sealing flap and front side.

1,407,213. COLLET CHUCK. JOHN A. OLSON, Chicago, Ill., assignor to The S-P Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 7, 1918. Serial No. 238,737. 9 Claims. (Cl. 279—55.)

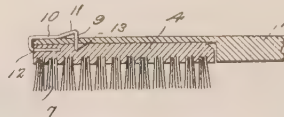
1. A chuck comprising a body portion, a collet co-acting with said body portion, said collet being formed of segmental jaws which are hinged directly together at one

end and have inwardly extending projections adjacent to the hinges, and means co-acting with said projections only



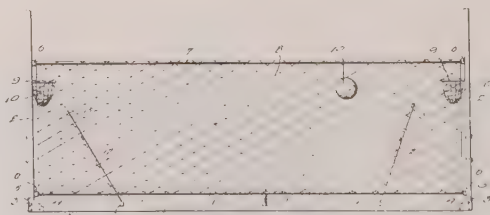
to move the collet longitudinally and also tending to swing the clamping ends of the jaws outwardly and inwardly.

1,407,214. TOOTHBRUSH. LEON OSBORN, Zellwood, Fla. Filed May 26, 1920. Serial No. 384,403. 1 Claim. (Cl. 15—39.)



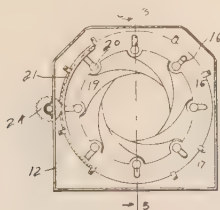
A brush of the class described comprising a handle having a shank, said shank provided with inwardly extending parallel trackways, a brush head slidably mounted upon said trackways and provided with a spring catch adapted to overhang said shank and having a depending tongue, said shank and brush head provided with registering apertures adapted to receive the tongue of the spring catch whereby said head will be detachably held in engagement with said shank and handle.

1,407,215. BASKET-BALL GAME. HAROLD L. POST, Appleton, Wis. Filed Apr. 16, 1920. Serial No. 374,287. 4 Claims. (Cl. 46—59.)



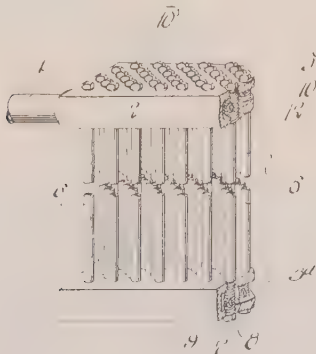
1. In a game apparatus, the combination of a baseboard, inwardly foldable endboards, the endboards having opposite openings, baskets adapted to be secured over the exterior of the openings, upper and lower rods removably mounted on either side of the baseboard and supporting walls of netting in a spaced position above the top surface of the baseboard to permit of operating a playing implement on the baseboard and under the members to which the netting is attached, the aforesaid lower rod being positioned sufficiently distant from the baseboard to provide a continuous free space for the entire length of the baseboard for the free operation of a playing implement thereunder.

- 1,407,216. RADIATOR PROTECTOR AND AIR-CONTROL DEVICE. LAUREUS DAY POTTER, Emmetsburg, Iowa. Filed June 17, 1920. Serial No. 389,788. 1 Claim. (Cl. 257-132.)



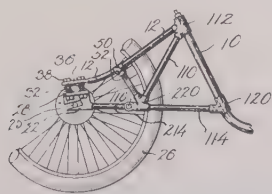
In a device of the class described, a casing adapted to receive and fit the front of a radiator, comprising a plate having a central opening and a peripheral flange extending around its edge, brackets extending away from said plate substantially parallel with said flange and within the casing, said brackets having inwardly extending fingers at their free ends, a hollow ring slidably mounted within said brackets and said fingers, said ring having a series of equi-distantly spaced radially elongated openings, a series of segments slidably and pivotally mounted on said ring at one end, the other end of each of said segments being pivotally secured to said plate, a curved toothed member on said plate, a bearing on said flange, a shaft journaled in said bearing, a gear fixed on said shaft projecting through said flange and meshing with said toothed member.

- 1,407,217. STEAM BOILER. HARRY O. PRATER, Clayton, Wash. Filed Oct. 4, 1920. Serial No. 414,532. 1 Claim. (Cl. 122-360.)



The combination with spaced headers having sockets of different diameters and forming a water chamber and a steam chamber, of water tubes, each having ports communicating with each chamber and threaded portions of the same pitch complementary to said sockets, tool heads on the end of each tube projecting beyond the respective headers, and an aligned socket and screw plug in one of said tool heads.

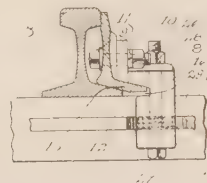
- 1,407,218. MOTOR-CYCLE SPRING STRUCTURE. MARIO L. PREVITALI, Denver, Colo. Filed Aug. 28, 1920. Serial No. 406,688. 3 Claims. (Cl. 208-101.)



1. A spring structure for motor cycles, comprising a frame, upper rear fork-members rigidly connected thereto

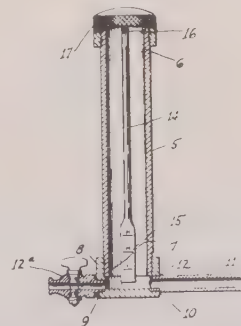
and having their rear ends flattened and provided with an opening, lower rear fork-members pivotally connected to said frame, an axle plate connected to the rear end of each rear fork-member, an outwardly directed horizontal flange at the top of said axle plate, an opening in said flange, a bolt rigidly secured thereto and projecting through the opening in said flattened portion, a spring surrounding said bolt between the flange and the flattened portion, and means on said bolt for limiting the distance between said flattened portion and said flange.

- 1,407,219. RAILWAY SWITCH. HANS R. RALL, Chicago, Ill. Filed Aug. 27, 1921. Serial No. 496,097. 8 Claims. (Cl. 246-450.)



1. In a railway switch, the combination of a switch rod, a socket member adapted to be secured to one of a pair of movable switch rails to be operatively connected, said socket member having a slotted portion into which said switch rod extends, opposed teeth located between and fixed to adjacent surfaces of said switch rod and socket member respectively and in engagement with each other, a bolt mounted in the socket member and in engagement with the switch rod and acting to hold said opposed teeth in adjustable relation, said engaged teeth and bolt acting to hold the switch rod and socket member in adjustable relation, and means for securing the switch rod in operative engagement with the other one of said pair of switch rails.

- 1,407,220. OIL GAUGE. ALFRED B. RASMUSSEN, Walnut, Iowa. Filed July 13, 1921. Serial No. 484,476. 1 Claim. (Cl. 73-120.)



An oil gauge of the character described comprising a socket member having opposed ports in its side wall, an outlet member disposed in one of said ports, an inlet member disposed in the opposite port, the inner wall of said socket member above the ports being threaded, a tubular member having exteriorly threaded ends, one end of said member being screwed in the socket member, an internally threaded cap engaged with the opposite threaded end of the tubular member, and a rod carried by and depending from the top of the cap, said rod being disposed within

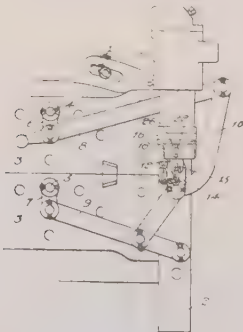
the tubular member and having one end flattened and positioned in spaced relation to the bottom of the socket member.

1,407,221. FISH-STRINGING DEVICE. WILLIAM F. C. REIMERS, Paullina, Iowa. Filed Apr. 15, 1921. Serial No. 461,724. 3 Claims. (Cl. 224-7.)



1. A fish stringer comprising a vertical supporting element, a head mounted for rotation in a horizontal plane upon said supporting element and a plurality of stringers connected to said head and mounted for swiveling movement with respect to said head.

1,407,222. FIRE DOOR. JAY G. ROBINSON, Chicago, Ill. Filed Aug. 18, 1919, Serial No. 318,254. Renewed Dec. 12, 1921. Serial No. 521,927. 8 Claims. (Cl. 110-177.)

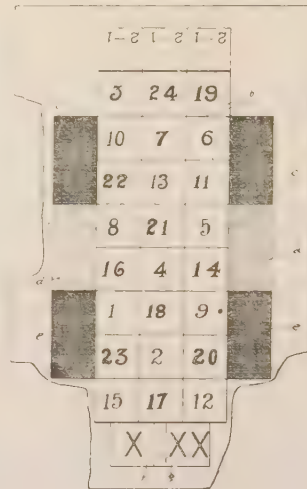


1. The combination with a fire door and fluid controlled means for opening and closing the same, of means for maintaining said door in a predetermined open position, said last named means being mounted on said first named means and adapted to be interposed between parts thereof.

1,407,223. GAME. HUGH B. ROSE, Redondo Beach, Calif. Filed Jan. 31, 1920. Serial No. 355,309. 1 Claim. (Cl. 46-63.)

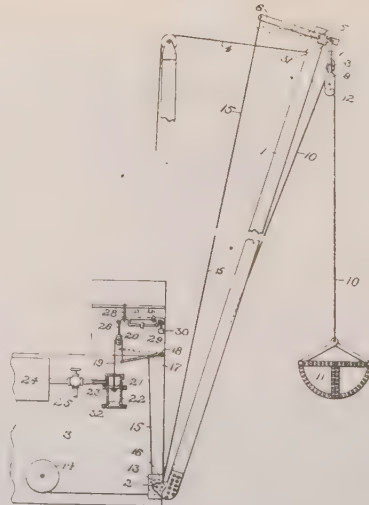
A game of the character described combining a table board having a plurality of columns of spaces provided with designating characters arranged out of consecutive sequence with each alternate character being of one color

and the intermediate characters being of a different color, and a plurality of wheel cards, corresponding in designating character and color to the spaces so that the wheel cards of each color have no consecutive sequence.



ating character and color to the spaces so that the wheel cards of each color have no consecutive sequence.

1,407,224. HOLDING AND WEIGHING MECHANISM. ALFRED S. SAMUELS, Saugus, Mass. Filed July 31, 1920. Serial No. 400,392. 4 Claims. (Cl. 265-52.)



1. An apparatus of the character described, comprising a load-holding member; a boom; a pivoted lever at the free end of the boom; a scale beam; connections between opposite ends of the pivoted lever and the load-holding member and the scale beam respectively; a stop upon the boom limiting movement of the lever; means to separate the lever and the stop at will to cause the weight of the load to become effective upon the scale beam.

1,407,225. SPARK-PRODUCING MECHANISM. CHARLES J. SCHMIDT, Chicago, Ill., assignor to Justrite Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 20, 1921. Serial No. 478,822. 8 Claims. (Cl. 67-61.)

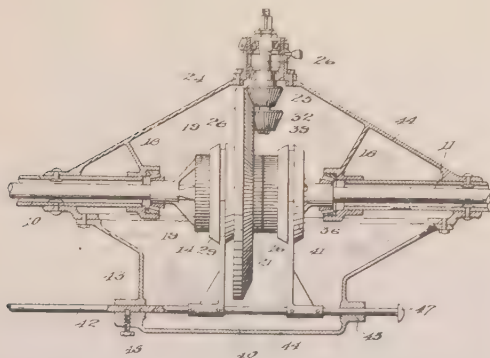
1. In a lighting device of the class described, the combination of a friction disk rotatable on its axis, sparking material below said disk, means for holding said

sparking material within range of said disk when rotated, and means tending to cause said disk when rotated to be



raised from said sparking material to thereby decrease the friction of engagement between said disk and material.

1,407,226. TWO-SPEED FINAL-DRIVE GEAR SET FOR MOTOR VEHICLES. ANTHONY J. SCHUBERT, Raymond, Kans. Filed Aug. 29, 1919. Serial No. 320,821. 4 Claims. (Cl. 74—59.)



3. In a gear set for motor vehicles, the combination of a pair of driven shaft sections, a sleeve comprising a pair of sections, differential means in said sleeve for connecting said shaft sections thereto, means for detachably connecting said sleeve sections, drive gears, said sleeve section connecting means adapted to rotatably support said drive gears on said sleeve, and means for effectively connecting said sleeve and drive gears.

1,407,227. ANTISKIDDING ATTACHMENT FOR TIRE CHAINS. JOSEPH SIMON, Halifax, Nova Scotia, Canada. Filed Aug. 12, 1921. Serial No. 491,796. 3 Claims. (Cl. 152—14.)



1. In a device of the character described, an arcuate supporting base, integral flanges thereon, reinforcing angle

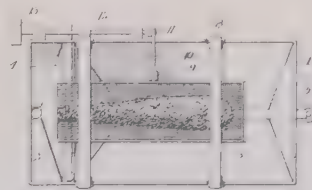
members carried by the base and formed with seats, and fastening members arranged in the seats and engaged in the flanges for retaining the flanges against the reinforcing members.

1,407,228. CORSET MEASURER. BARBARA C. SMITH, Alliance, Nebr. Filed Nov. 6, 1920. Serial No. 422,328. 2 Claims. (Cl. 33—15.)



1. In a corsetière's measuring device, bust, waist, and hip line measuring tapes having fastener members at spaced intervals thereon, means connecting the ends of each of said tapes when in surrounding relation to the body to be measured, and vertically disposed front measuring tapes having fasteners cooperating with the fasteners of the bust, waist, and hip line tapes and adapted to extend from a point substantially between the breast and terminate adjacent the thighs, vertically arranged tapes connected to the bust, waist and hip line tapes adjustably and extending from points over the breast down to and terminating below the outer portions of the thighs, measuring tapes having fasteners cooperating with the fasteners of the bust, waist and hip line tapes and adapted to extend from the arm pits and over the hips and terminate a substantial distance below the hips, and additional tapes having fasteners cooperating with the fasteners of the bust, waist and hip line tapes and adapted to be disposed vertically on the sides of the back and to extend from the upper part of the back down to and over the rumps of the body to be measured, whereby the body may be measured for corsets to extend a substantial distance over the hips, thighs and rumps, the upper end portions of the vertically disposed measuring tapes having elongated loops through which said bust line measuring tape loosely passes, whereby the bust line measuring tape may be fastened around the body over the bust for adjustably suspending the vertical measuring tapes.

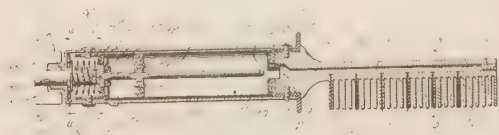
1,407,229. METHOD AND APPARATUS FOR SEPARATING ORE. REINOLD V. SMITH, Eureka, Utah. Filed Dec. 10, 1917. Serial No. 206,470. 10 Claims. (Cl. 83—80.)



4. An ore separating apparatus comprising a water tank having means for supplying water thereto and an elevated outlet, a screen supported within the tank below the water level, and inclined to cause ore to move thereover

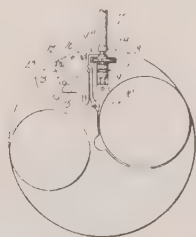
in a direction opposite to the flow of water through the tank, means for vibrating the screen laterally of the direction in which the ore and water travel thereon, the vibrating movement being stronger adjacent the sides of the screen than at the intermediate middle portion, and two receptacles adapted, respectively, to receive the material passing through the screen and that delivered from the discharge end thereof.

1,407,230. FOUNTAIN COMB AND CARTRIDGE THEREFOR. ABE R. SPIELBERGER, Atlanta, Ga. Filed May 23, 1921. Serial No. 471,714. 11 Claims. (Cl. 132—13.)



1. A fountain comb comprising a hollow handle and a head having a passage communicating with the handle, a removable dispensing cartridge in the handle including externally operated dispensing means, and a breech comprising a cap for closing the rear end of said handle, actuating means for the dispensing means movably carried by said cap and yieldably held in position for engaging the dispensing means when the breech is closed, and means carried by the cap for yieldably engaging the cartridge and forcing the cartridge tightly into the handle when the breech is closed.

1,407,231. PENDANT SETTING MECHANISM. EDWARD STAEBLI, La Grange, Ill. Filed Jan. 17, 1921. Serial No. 437,795. 13 Claims. (Cl. 58—(8).)



1. A pendant winding and setting mechanism for watches including a stem, a clutch wheel carried by the stem, a primary bar operatively engaged by the stem and having a vertical part slidably mounted to one side thereof, a secondary lever for shifting the clutch-wheel, and cam mechanism carried by said bar and lever beyond the vertical part of the bar whereby the operation of the primary bar actuates the secondary lever to shift the clutch-wheel.

1,407,232. WEED PULLER. JOHN F. STEVENS, Ottumwa, Iowa. Filed Oct. 8, 1920. Serial No. 415,665. 2 Claims. (Cl. 55—65.)

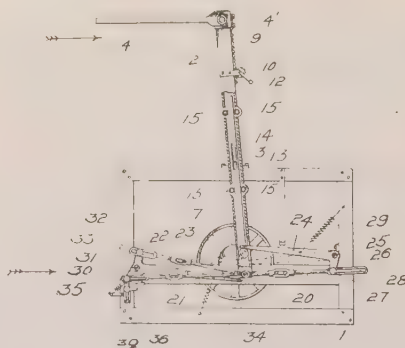
1. A weed puller comprising a handle, a segmental digger member fixed to the handle, a second segmental digger member pivotally connected with the first, whereby its lower end may move toward and from the lower end of the stationary digger member, said digger members having straight sides and being normally arranged substantially parallel, whereby they may be easily thrust into the ground, a spring supported at its upper end between the digger members with its lower end normally near the bottom of the digger members, said digger members being

capable of freely moving toward and from each other regardless of the position of spring, and a handle connected



with the movable digger member whereby its lower end may be forced toward the lower end of the stationary digger member.

1,407,233. MECHANICAL MOVEMENT. JAY C. STONE, Spokane, Wash. Filed May 2, 1921. Serial No. 466,132. 8 Claims. (Cl. 74—14.)

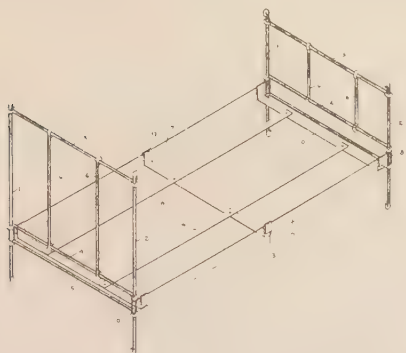


2. The combination with a hollow, pivoted lever and actuating means, of an internal movable lever arm having slotted connection with the pivoted lever, a rotary shaft and crank connections between said shaft and lever arm, oppositely disposed, extensible links pivoted on said lever, complementary bell crank levers operatively connected with said links, and the long arms of said bell crank levers adapted to alternately engage said crank connections.

1,407,234. FOLDING TOY BED. WILLIAM H. STOREY, Ensley, Ala., assignor of one-half to Samuel C. Matthews and one-half to Edward G. Scheuerman and John M. Fox, Ensley, Ala. Filed Apr. 11, 1921. Serial No. 460,226. 1 Claim. (Cl. 5—9.)

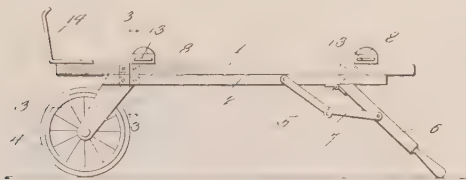
A toy bed comprising head and foot members, each embodying upright side posts, a top cross connecting bar, and lower cross connecting bars slightly spaced, with the ends of all cross bars immovably connected to the side posts, flat sheet metal side bars extending between the side posts at opposite sides of the bed and having their ends bent into loop formations for rotatable mounting upon the side posts between adjacent ends of the lower cross connecting bars with the bars preventing perpendicular movements of the side bars relative to the side posts, and a mattress supporting frame embodying end cross strips of flat sheet

metal having their transverse axes extending longitudinally of the bed with the ends of the cross strips bent to



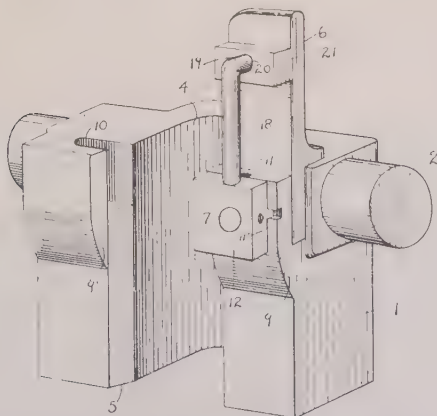
inverted U-shape formation for mounting upon the sheet metal side bars to hold the bed frame in rectangular formation.

1,407,235. TRUCK. WILLIAM H. TAYLOR, Anna, Ill. Filed Mar. 14, 1921. Serial No. 451,969. 3 Claims. (Cl. 280-40.)



3. A truck of the class described comprising spaced longitudinal side bars, additional bars hinged to and abutting the underfaces of said first bars, forked brackets secured to the outer ends of the additional bars, wheels rotatably mounted between the arms of the brackets, downwardly inclined handles hinged to said last named bars, means for holding the handles in operative position, padded transversely disposed aligned rests carried by the first named rails, means adjustably connecting the inner ends of the rests, and stops secured to the upper faces of said first named bars near the outer ends of the latter.

1,407,236. PIPE ELEVATOR. AVERY H. THOMAS, Houston, Tex. Filed Feb. 5, 1921. Serial No. 442,626. 11 Claims. (Cl. 294-91.)



1. In a device of the character described, an elevator block having a pipe receiving recess, a vertically swinging latch for closing said recess, a pivot pin therefor, a

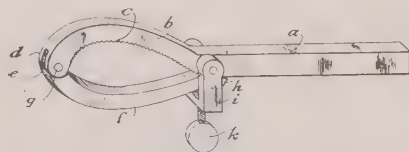
locking block on said pin having a tongue thereon adapted to fit in a groove on said elevator block, said block having approximately vertical and horizontal grooves to cooperate with said tongue, a handle to withdraw said tongue from either of said grooves, and means on said pin to draw said tongue toward said grooves, when said handle is released.

1,407,237. SHOVEL. ABEL THOMPSON and JESSE ATKINSON, Roland, Iowa. Filed Apr. 1, 1921. Serial No. 457,766. 4 Claims. (Cl. 294-57.)



1. In a shovel, a blade, a handle composed of a plurality of hingedly connected sections, a socket formed upon said blade, one of said handle sections being hingedly connected to said socket, means for locking said handle sections in longitudinal aligning position, and means for locking said handle sections and blade in folded position.

1,407,238. PIPE WRENCH. WILLIAM JOHN TWISS, Calgary, Alberta, Canada, assignor of one-half to John I. McFarland, Calgary, Alberta, Canada. Filed June 22, 1921. Serial No. 479,634. 3 Claims. (Cl. 81-111.)

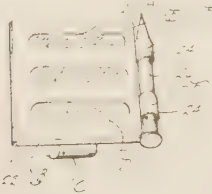


1. A pipe wrench of the class described comprising a shank having one end offset to form an upper jaw, such jaw being provided with a bifurcated end and a plurality of teeth extending transversely across the under face of the said upper jaw, a lower jaw adapted to be pivotally connected to the said bifurcated end, a catch member substantially rectangular in shape having a slot therethrough such slot being pivoted to the said shank and adapted to engage with the free end of the said lower jaw and means engaging with the said catch member adapted to control the adjustment of the said lower jaw relatively to the upper jaw.

1,407,239. WRIST TABLET. HERMAN WM. WEISS, Monroe, Mich. Filed Mar. 29, 1920. Serial No. 369,605. 4 Claims. (Cl. 281-1.)

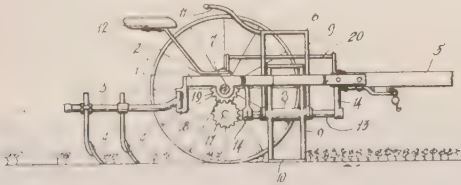
3. A device for receiving memorandums comprising a rigid frame having a bottom wall, side walls and end walls, a writing tablet carried by the frame in abutting relation to said walls, inwardly extending flanges carried by cer-

tain of said walls and arranged to engage the upper portion of said writing table, a hinged protecting plate carried by the frame, and a wrist strap carried by the said frame.



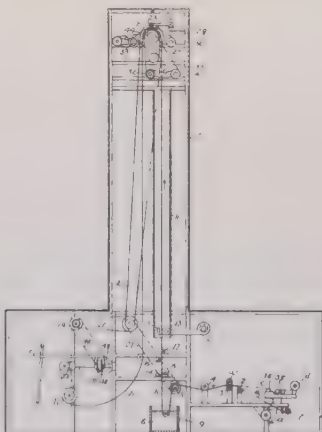
4. In a device for receiving memorandums comprising a frame including a bottom wall, side walls and end walls, a piece of slate arranged in abutting relation to the walls, overhanging flanges carried by the end walls arranged to engage the upper surface of the slate, a hinged protecting cover having slots formed therein carried by one of the side walls, a pencil holder carried by the protecting cover and the opposite side wall, and a slate pencil positioned in said holder.

1,407,240. COMBINED COTTON CHOPPER AND CULTIVATOR. GEORGE WHITAKER, Brownwood, Tex. Filed Aug. 11, 1921. Serial No. 491,605. 2 Claims. (Cl. 97-46.)



1. A cotton chopping and cultivating machine, said machine having a plurality of chopping blades secured to and arranged to revolve with a tubular hub member, said hub member carried on a shaft connected to gears driven by the motion of the machine, means for moving the frame and throwing the blades in and out of gear, in combination with cultivator shovels for working the soil.

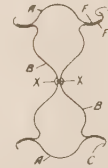
1,407,241. APPARATUS FOR MAKING PAINTED WINDOW-SHADE MATERIAL. JOHN P. WHITMORE, South Pasadena, Calif. Filed Feb. 13, 1920. Serial No. 358,458. 3 Claims. (Cl. 91-32.)



2. In an apparatus for painting shade material, a feed roller for drawing the painted shade material forward, a presser roller for pressing on the shade material to ensure

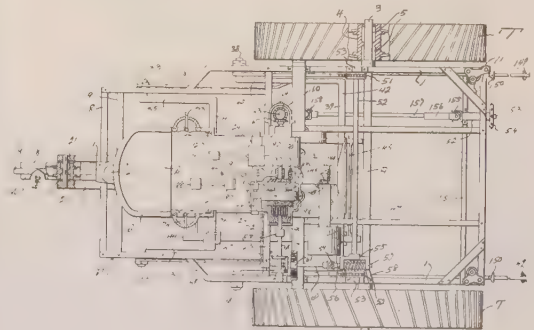
feeding thereof, means for supplying a parting strip between the shade material and one of the said rollers, and means for winding up the parting strip including a slip-drive to prevent undue strain on the parting strip.

1,407,242. METAL SPAR FOR AIRCRAFT. HAMILTON NEIL WYLIE, Edinburgh, Scotland, assignor to Armstrong Siddeley Motors Limited, Parkside, Coventry, England. Filed Aug. 22, 1919. Serial No. 319,245. 6 Claims. (Cl. 189-37.)



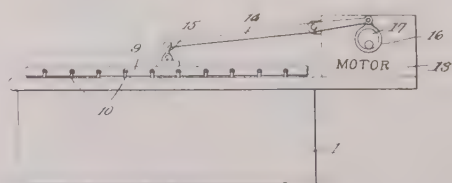
1. A metal girder comprising in combination two oppositely disposed booms of thin metal bent about longitudinal axes into sinuous curves, and a thin metal web connecting said booms and bent about longitudinal axes into sinuous curves.

1,407,243. TRACTOR. JACOB YOUNG, Hennessey, Okla. Filed July 14, 1920. Serial No. 396,135. 9 Claims. (Cl. 180-14.)



1. A machine of the class described comprising a portable body, a supporting structure carried thereby and including arch members connected for unitary movement and supported by the frame for vertical swinging movement, a driven shaft, means for reversely rotating said shaft at will, and an operative connection between said shaft and one of said arch members for imparting swinging movement thereto in either direction, said operative connection including an upstanding arcuate rack carried by the arch member and a gear carried by the shaft and in mesh with the rack.

1,407,244. APPARATUS FOR PRODUCING STICKS OF COMB HONEY. GEORGE W. BABCOCK, Rochester, N. Y. Filed Mar. 30, 1918. Serial No. 225,716. 11 Claims. (Cl. 6-2.)



1. The combination with a frame for comb honey, of members at opposite sides of the frame and extending inwardly toward each other, said members being spaced

apart a distance slightly greater than the thickness of a midrib within the frame, and means for reciprocating the members to prevent the formation of cells in the paths thereof.

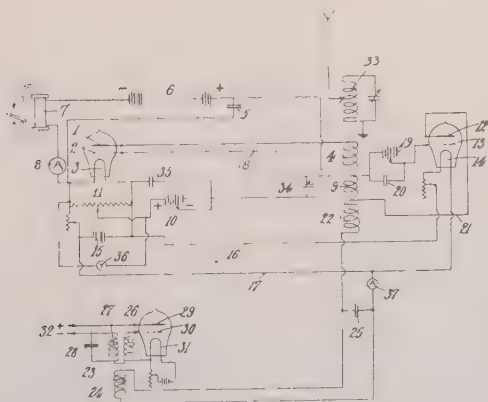
3. The combination with a frame for comb honey and guides connected to opposed portions of the frame, of members mounted upon the guides and having inwardly extending portions movable within the frame and spaced apart a distance to receive between them a midrib held by the frame and means for reciprocating the members to prevent the formation of cells in the paths thereof.

5. The combination with a frame for comb honey, of opposed members extending inwardly toward each other, said members being spaced apart to receive between them a midrib held by the frame, means for reciprocating the members to prevent the formation of cells in the paths thereof, revoluble elements extending across the ends of the paths of said reciprocating members and means for intermittently rotating said elements to prevent the building of cells along the adjacent portions of the midrib.

8. The herein described step in the method of forming sticks of comb honey which consists in supporting a midrib within a hive and forming depressions in opposed faces of the cake of comb honey formed on the midrib, by moving members which extend close to the midrib and thus prevent the formation of cells in the paths of the members.

9. The herein described method of forming sticks of comb honey which consists in placing a midrib within a hive, operating movable structures constantly along parallel lines at opposite sides of and close to the midrib and along the points of connection between the midrib and its holding means, thereby to confine the working bees to limited areas and leaving the midrib free of cells along parallel lines and along its points of connection with its holding means, and finally severing the midrib along said lines.

1,407,245. AMPLIFYING DEVICE FOR USE IN WIRELESS TELEGRAPHY. JOHN B. BOLITHO, Eltham, England. Filed Sept. 18, 1920. Serial No. 411,104. 7 Claims. (Cl. 179—171.)

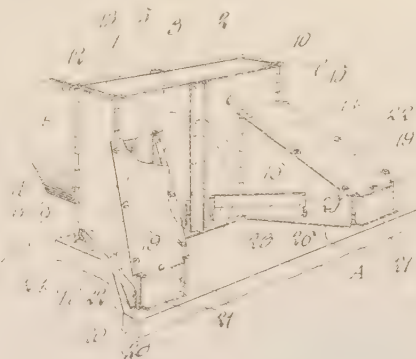


1. An amplifying arrangement for use in wireless telegraphy, wherein automatic electrical means are employed for damping out periodically the oscillations produced in a circuit by a "triggered" amplifying valve, such automatic electrical means of damping comprising a valve varying intermittently the oscillation resistance of the circuit of the "triggered" amplifying valve.

1,407,246. CONCRETE MOLD. CHARLES F. BOND, Coulee City, Wash. Filed Oct. 5, 1920. Serial No. 414,853. 2 Claims. (Cl. 25—131.5.)

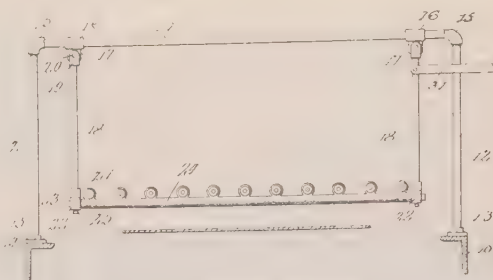
1. The combination in a header mold adapted to receive a pipe and of a main wall section having the rear orifices

to fit around a pipe end and a front plate to close said pipe end, said plate having cut-away portions, and sep-



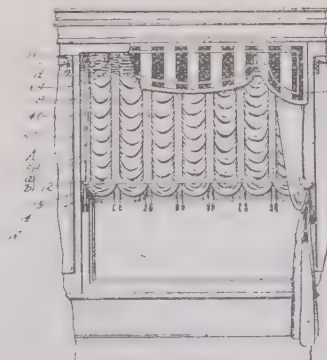
arable wing sections hinged to said front plate adjacent the cut-away portions.

1,407,247. METHOD AND MEANS FOR COLORING PAPER. ERNEST B. BREWSTER, New York, N. Y. Filed Mar. 13, 1920. Serial No. 365,561. 4 Claims. (Cl. 92—40.)



1. In combination with a paper making machine including the frame and screen for supporting the pulp, a frame work, mounted upon the paper making machine frame, depending arms mounted on said frame work, a bar carried by the lower end of said arms, said bar extending in a direction at right angles to the direction of movement of the screen, means mounting said bar to permit rotatable adjustment thereof axially, and a plurality of air brushes mounted on the bar and lying in a direction parallel to the direction of travel of the screen.

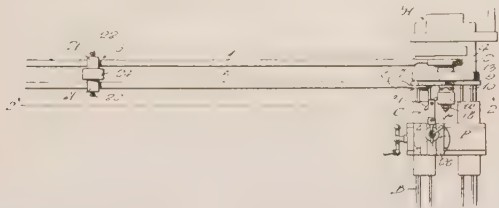
1,407,248. CURTAIN. JASPER CALVIN BROWN, Los Angeles, Calif. Filed Nov. 26, 1920. Serial No. 426,642. 14 Claims. (Cl. 156—10.)



12. An Austrian shade having parallel shirred portions, said shade having a supporting member at one end

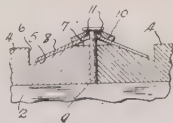
thereof, and a weighted member transversely mounted at the opposite end thereof, for maintaining the curtain in a taut position, one-way clutch members and sheave members joined to said support member adjacent each parallel shirred portion of said curtain, sheave members mounted upon the weight member, independent continuous cords passing through one each of the sheaves on said weighted member, and having one each of their lengths co-acting with one each of the one-way clutch members and their other lengths passing over one each of the sheave members, and pulley members over which said continuous cords pass for moving said cords; there being friction elements spacedly arranged upon the curtain and extending between the shirred portions, said friction elements combining with the length of each independent continuous cord which co-acts with the one-way clutch, whereby upon moving each of the continuous cord elements the curtain requires fullness adjacent the supporting member, a releasing of the cord elements permitting the curtain to be re-closed evenly, a certain portion of the fullness being continuously maintained at the top until the curtain is entirely re-closed.

1,407,249. ATTACHMENT FOR LATHES. THOMAS EUGENE BROWN and JAMES NEWTON ETHEREDGE, Macon, Ga. Filed Sept. 23, 1920. Serial No. 412,241. 13 Claims. (Cl. 90—32.)



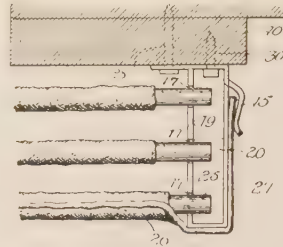
1. In combination, a work-holder having a pivotally mounted carrying arm, a relatively fixed cutting tool adjacent said work-holder, a rotary shaft, and means connecting said shaft and work holder for bodily oscillating said work-holder and its carrying arm to move the work arcuately across the cutting tool.

1,407,250. BUILDING CONSTRUCTION. CHARLEY BURNETT, Washington Court House, Ohio. Filed May 31, 1919. Serial No. 300,905. 1 Claim. (Cl. 108—12.)



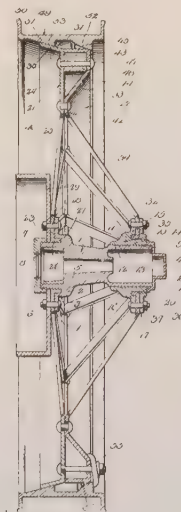
In a building structure, in combination, a backing, a pair of longitudinally extending rough forming members arranged side by side upon said backing so that their meeting edges define a longitudinal joint, a metallic sheath strip disposed to overlie and protect said joint, said strip being formed to embody a pair of outwardly diverging angularly related sides which are arranged to engage with substantially parallel faces formed upon said members, of means for maintaining said sides in firm frictional relationship with said faces, consisting of a plurality of headed securing elements adapted to be embedded in said backing and formed to pass through openings provided in the ridge portion of said strip, said openings being punched out to define projecting burred elements, and a plurality of relatively soft metal washers located between the heads of said securing elements and strip, said washers being formed to receive said burred elements and to seal said openings when the securing elements occupy their holding positions.

1,407,251. BRACKET. THOMAS F. BYRON, Chicago, Ill. Filed July 19, 1920. Serial No. 397,467. 7 Claims. (Cl. 156—22.)



5. A bracket formed from a blank strap of material, bent on transverse lines to form a rectangle with two long sides and two short sides, one of the long sides being provided with a recess adapted to support the end of a rod, and means on the bracket for suspending an extension of material suspended from the rod.

1,407,252. VEHICLE WHEEL. HENRY C. CALHOUN, Detroit, Mich. Filed Mar. 10, 1921. Serial No. 451,400. 4 Claims. (Cl. 301—64.)

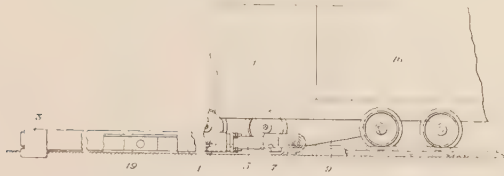


1. In a vehicle wheel, a hub having an exterior threaded portion, an expansible wheel body comprising a section secured to the hub and a section secured to the first-mentioned section, an expanding member adjustably fitted into the threaded portion of the hub and having an exterior cylindrical portion, and a flange circumscribing the same and spaced therefrom to provide a channel, the last-mentioned section of the body having an opening in its central portion to receive the expanding member and provided with a lateral flange surrounding the opening and seating in the said channel and about the cylindrical portion of the said expanding member, and means securing the said portion of the body section to the said flange of the expanding member.

1,407,253. POWER-OPERATED RAM. FRANK M. CASTLEMAN, Rotherham, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Mar. 17, 1920. Serial No. 366,713. 6 Claims. (Cl. 104—162.)

1. Power-operated ram mechanism for railway or tramway systems of the kind comprising a power-operated ram located on the railway track, the movable stem or plunger

of the ram being provided with an arm flexibly connected thereto projecting upwards at a suitable angle to the axis of the ram itself and adapted to engage with the vehicle to be propelled in which fluid under pressure is arranged to be supplied to or released from the ram casing on the



inner side of the plunger, the space on the outer side of the plunger between the ram casing and the plunger stem or rod being arranged to be permanently connected to a source of fluid under pressure, for the purpose specified.

1,407,254. PROCESS OF MAKING PROJECTILES.
JOHN L. COX, Philadelphia, Pa. Filed Nov. 20, 1920.
Serial No. 425,433. 7 Claims. (Cl. 148—13.)

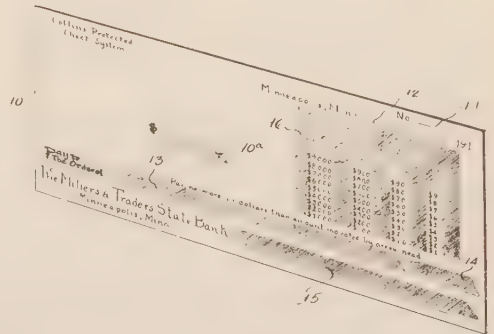
1. The process of heat treating projectiles which comprises forging the projectile and suddenly cooling the forging to prevent grain growth but stopping the sudden cooling before cracks are produced, then cooling slowly until black throughout, then reheating the projectile to about 225° F. above the A_{c1} point, then cooling in the air until black throughout, then reheating to about 75° F. above the A_{c1} point, then slowly cooling, then reheating to considerably above the A_{c1} point and quenching until well below black throughout, then reheating to a less degree above the A_{c1} point and quenching until well below black throughout, then reheating to below the A_{c1} point, quenching until well below black throughout and then more slowly cooling, then reheating to considerably above the A_{c1} point and quenching to cold, then heating to a temperature below 400° F. to relieve stresses and allowing to cool, then heating the body close to the A_{c1} point and allowing to cool, then reheating the body portion just treated to a temperature close to but so far below the A_{c1} point that no hardening can result, then quenching to well below black, and then cooling the point in water and the body in air.

1,407,255. PROCESS OF HEAT-TREATING AND HARDENING PROJECTILES. JOHN L. COX, Philadelphia, Pa. Filed July 16, 1919, Serial No. 311,325. Renewed Nov. 29, 1920. Serial No. 427,232. 14 Claims. (Cl. 148—13.)

1. The process of heat treating projectiles which comprises suddenly cooling the projectile from a temperature substantially above the A_{c3} point to a temperature not higher than approximately the A_{r1} point, thus arresting the growth of the cell walls, then cooling relatively slowly, then heating to and above the A_{c3} point, then cooling quickly to below the A_{r1} point, then heating to below the A_{c1} point, then cooling, then subjecting the projectile to a plurality of grain-refining operations in one of which the projectile is heated to substantially above the A_{c3} point and cooled suddenly to below the A_{r1} point and in a later one of which the projectile is heated to a lower temperature but still above the A_{c3} point and similarly cooled below the A_{r1} point, then heating to below the A_{c1} point and quenching and cooling to atmospheric temperature, then heating the head and at least the forward part of the body to above the A_{c3} point, suddenly cooling by quenching, drawing the temper of the hardened part of the projectile at a temperature below 200° C., heating the body of the projectile from the base end to below the A_{c1} point, quenching the last named part of the pro-

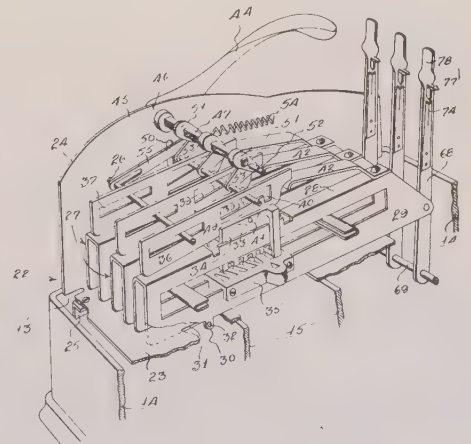
jectile, and then placing the point of the projectile in a cooling medium to preserve the desired degree of hardness of the point.

1,407,256. BANK CHECK. ALBERT F. COLLINS, Minneapolis, Minn. Filed Sept. 12, 1919. Serial No. 323,396. 4 Claims. (Cl. 283—9.)



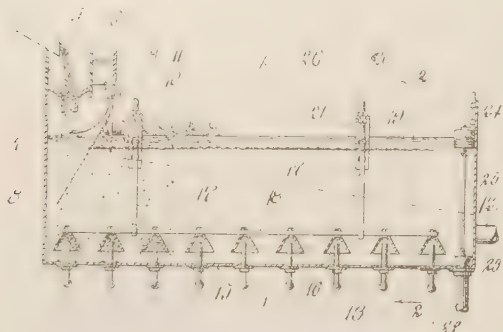
1. A check having thereon a plurality of spaced columns of figures, the figures in each column increasing progressively from the bottom to the top thereof, tinted zones adjacent to said columns of figures and series of perforations in the check, one series being cut in each column of figures and including a vertical group of oblique perforations, a lateral oblong perforation spaced beneath said group and an indicating perforation in the adjacent tinted zone opposite the space above said oblong perforation.

1,407,257. PERFORATING DEVICE FOR PROTECTING CHECKS AND LIKE INSTRUMENTS. ALBERT F. COLLINS, Minneapolis, Minn. Filed Sept. 12, 1919. Serial No. 323,397. 7 Claims. (Cl. 164—111.)



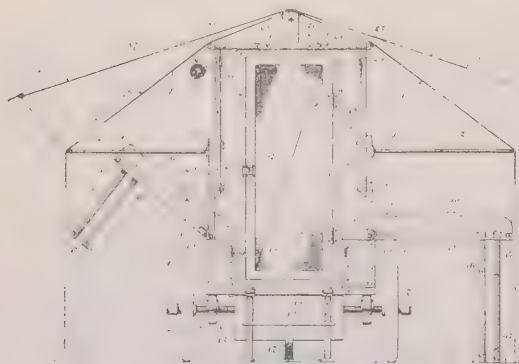
1. In a device of the class described, the combination of a base, a frame mounted on said base, a plurality of carriages slidable on said frame, co-acting dies carried by each carriage, a handle in operative connection with said dies for actuating the same, each of said dies having cutting elements thereon designed to form aligned perforations in different angular relation upon opposite sides of a space and also form a guide perforation opposite said space and in position offset from said aligned perforations.

1,407,258. ORE SEPARATOR. ARTHUR H. CONNORS, Mullan, Idaho. Filed Jan. 15, 1920. Serial No. 351,644. 2 Claims. (Cl. 261—123.)



1. The combination with a cell of a multiplicity of nozzles arranged in pairs for air under pressure and projecting upward through the bottom of the cell, and a series of inverted V-shaped hoods over the nozzles in pairs, and adjustable supporting means for said hoods, for the purpose described.

1,407,259. CAMPING TRAILER. ALEXANDER R. CURTIS, Minneapolis, Minn. Filed July 11, 1919. Serial No. 310,115. 6 Claims. (Cl. 298—23.)

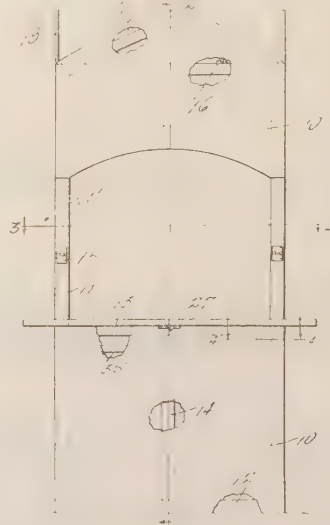


1. A trailer comprising a truck, a canvas and canvas supporting frame, the latter being carried by the truck, in combination with beds connected to said frame for pivotal and sliding movements, the said sliding pivotal connections between said frame and beds permitting said beds to be dropped down into the body of said truck when turned into vertical position, the said frame having parts adapted to be dropped and to interlock with said beds to hold the same in upturned inoperative positions.

1,407,260. FOLDING BOOTH. CHARLES J. DE LA FONTAINE, Dallas, Tex., assignor to Trinity Folding Booth Company, St. Louis, Mo., a Corporation of Missouri. Filed Jan. 8, 1921. Serial No. 435,880. 5 Claims. (Cl. 20—3.)

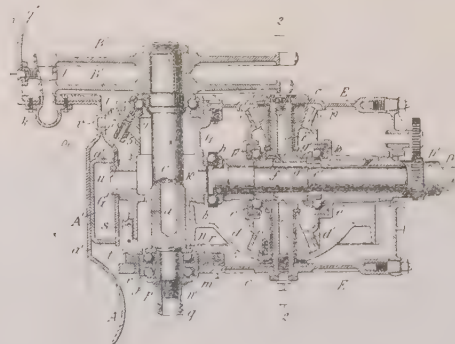
3. In a folding booth, a lower front panel having side panels hinged thereto, an upper open front panel hinged to the lower front panel and having upper open side panels hinged thereto adapted to register with the side

panels of the lower front panel, the upper front panel being arranged to fold downwardly against the lower



front panel, and a removable counter mounted on the lower panels within the openings of the upper front and side panels.

1,407,261. PROPELLING MECHANISM FOR AUTOMOBILE TORPEDOES. WILLIAM DIETER, Brooklyn, N. Y. Filed Nov. 24, 1919. Serial No. 340,358. 10 Claims. (Cl. 115—37.)

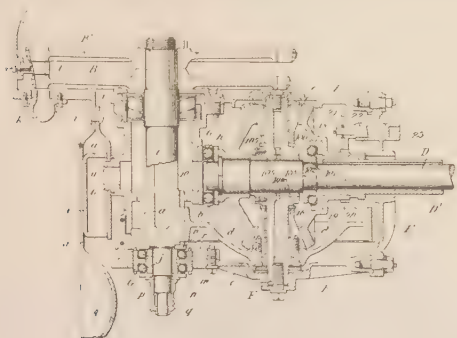


1. In a torpedo, the combination of a turbine, oppositely revolving propeller shafts, gearing communicating rotation from the turbine to the propeller shafts, a bearing frame for such turbine and gearing, and a transverse bulkhead having a center bearing for said frame.

1,407,262. PROPELLING MECHANISM FOR TORPEDOES. WILLIAM DIETER, Brooklyn, N. Y. Filed Jan. 17, 1921. Serial No. 437,728. 4 Claims. (Cl. 115—37.)

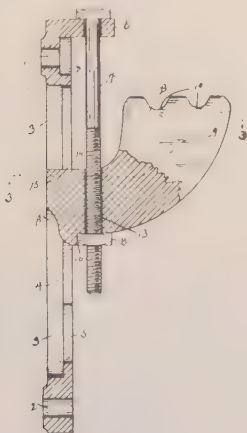
1. In a torpedo having inner and outer propeller shafts, a motor, and gearing for driving the shafts in opposite directions, a bulkhead, a thrust bearing transmitting end

thrust from the inner shaft to said bulkhead, and a thrust bearing for the outer shaft carried by the inner shaft,



so that the propulsive thrust of the outer shaft is transmitted to and through the inner shaft to said bulkhead.

1,407,263. RADIATOR HANGER. RALPH D. EVANS, Salt Lake City, Utah. Filed Dec. 18, 1920. Serial No. 431,613. 1 Claim. (Cl. 248—30.)

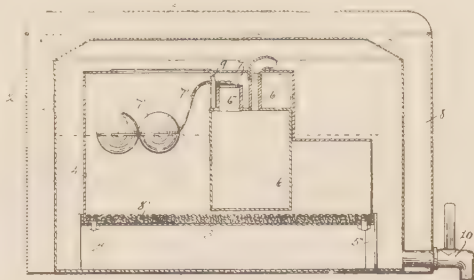


A radiator hanger comprising a wall plate having perforations therein for securing it to the wall of a room, and recessed on its back with a longitudinally disposed recess and also an elongated slot from said recess to its front face having a portion of said slot widened to the width of said recess; a bracket piece slidably carried in the slot of said wall plate and bored to receive a bolt; a flange-like portion adapted to engage the rear face of said wall plate; and a bolt with a head carried by said wall plate; and a nut on said bolt to support said bracket piece.

1,407,264. AUTOMATIC DISPENSING WATER COOLER. VITO GLISCI, Waterbury, Conn. Filed Aug. 13, 1920. Serial No. 403,189. 4 Claims. (Cl. 210—99.)

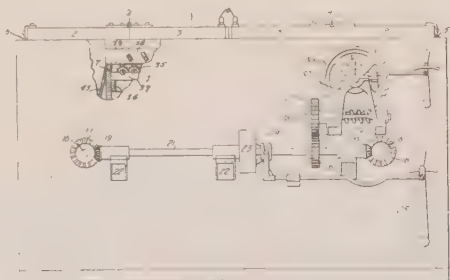
1. A water-cooler comprising a main housing; a storage tank positioned within said housing and surrounded in the main by a substantial jacketing-space; a float housing displaceably seated within said storage tank and including a closed primary distributing compartment having at its top an inlet and an outlet, the latter fitted with a valve-seat; a rocking stem fitted with a valve at one end thereof; a float within said float-housing and coacting with said stem at the opposite end thereof, whereby control of the outlet aforementioned under variations in the level of the contents of said tank, and through the medium of the valve aforementioned, is effected; an intake pipe whereby

is conducted a constant supply of drinkable water to and into said distributing compartment by way of the inlet



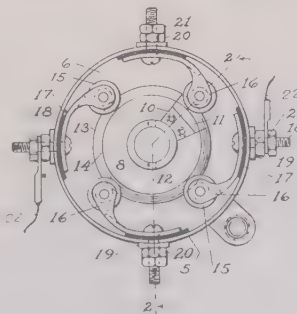
thereof; and a draw-off faucet, the latter operable exteriorly of the said main housing and whereby may be withdrawn the contents of the storage tank aforementioned.

1,407,265. DYEING MACHINE. WILLIAM J. GOING, Schenectady, N. Y., assignor to The Klauder-Weldon Dyeing Machine Company, Jenkintown, Pa., a Corporation of Pennsylvania. Original application filed May 8, 1916, Serial No. 96,099. Divided and this application filed June 14, 1920. Serial No. 388,936. 13 Claims. (Cl. 8—18.)



5. In a yarn treating machine, in combination, a rotary yarn supporting stick the axis of which is stationarily positioned during the yarn treating operation, and means adapted to rotate said stick during the yarn treating operation comprising a rotatable driven member, a friction clutch ring rotatable therewith and having a shallow recess in its surface, an element rotatable with said stick comprising a shoe engaging said ring and a tooth movable relative to said shoe adapted to engage said recess, and spring means adapted to press said shoe and tooth against said ring.

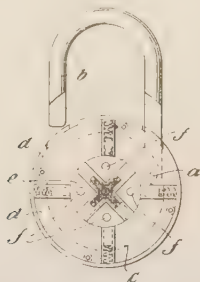
1,407,266. CIRCUIT DISTRIBUTOR. ROBBINS N. GRISWOLD, Bridgeport, Conn. Filed Feb. 11, 1920. Serial No. 357,913. 1 Claim. (Cl. 200—26.)



A circuit distributor including a rotatable shaft having an integral radial extension, a rotor on said shaft having

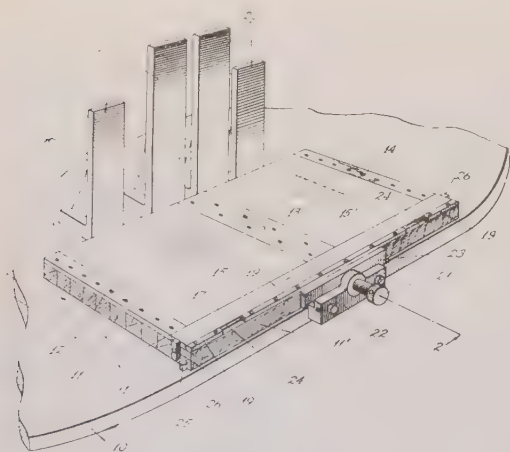
an annular V-shaped peripheral face formed of insulating material and having a metal contact insert, the metal insert extending outwardly to form a section of the annular V-shaped peripheral face and extending inwardly for engagement with said radial extension, contact rolls, the faces of said rolls being grooved to permit the reception of the peripheral face of said rotor, a cap, and springs for connecting said rolls and cap.

1,407,267. PADLOCK. MAX HACKLÄNDER, Neviges, Germany. Filed Nov. 8, 1920. Serial No. 422,685. 2 Claims. (Cl. 70—105.)



2. In a padlock; a pair of turnable disks; a shackle pivoted between the said disks; a guide cylinder at the front of the pair of disks; a guide cylinder at the back of the pair of disks; each guide cylinder comprising a fixed portion and a central rotary portion coupled with the said disks; and tumblers cooperating with the fixed and rotary portions of the said guide cylinders and adapted to prevent the movement of the rotary portions and the turnable disks except when operated by a proper key.

1,407,268. CUTTING BLOCK FOR TRIMMING MACHINES. JOHN J. HALLORAN, New York, N. Y. Filed Sept. 16, 1920. Serial No. 410,706. 6 Claims. (Cl. 164—78.)

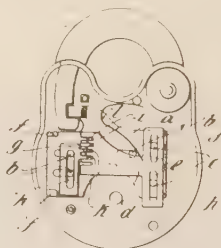


1. A cutting block for trimming machines, embodying a front section and a back section, said sections being mounted for relative, lateral adjustment, the front section being provided with a fibre facing for taking the wear of the front cutting knife and the back section being fibre faced for taking the wear of the head and tail knives.

1,407,269. LOCK. MAX HACKLÄNDER, Neviges, Germany. Filed Nov. 8, 1920. Serial No. 422,686. 3 Claims. (Cl. 70—105.)

2. In a lock with tumblers adapted to assume positions imparted to them by the steps of the bit of the key used,

a case, a movable bolt, a toothed tumbler adapted to shift on the said bolt in a straight line, and a toothed detent for detaining the said bolt when it is moved forward and



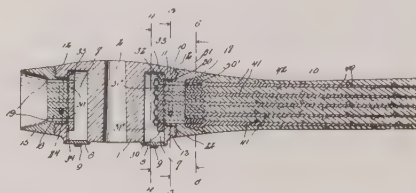
for releasing the bolt when the tumbler is shifted into an appropriate position with respect to the teeth of the detent.

1,407,270. DOLL. KAREN MARIE HANSEN, Silkeborg, Denmark. Filed Mar. 6, 1919. Serial No. 280,887. 1 Claim. (Cl. 46—40.)



An improved doll comprising a base shaped as a section of a ball, the lower side of said base being only slightly curved, the top side of said base being plane and cylindrical along its edge, and a doll body resting upon the plane top side of the base and having its lower edge extending about the cylindrical portion of the base.

1,407,271. AEROPLANE PROPELLER. DONALD G. HARKINS, Canton, N. C. Filed Feb. 28, 1921. Serial No. 448,514. 15 Claims. (Cl. 170—163.)

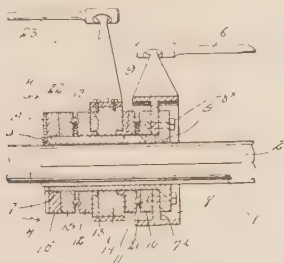


1. An aeroplane propeller blade comprising wooden sections, and interposed metallic plates having barbs embedded in said sections.

1,407,272. AEROPLANE PROPELLING MEANS. DONALD G. HARKINS, Canton, N. C. Filed Mar. 29, 1921. Serial No. 456,596. 5 Claims. (Cl. 170—163.)

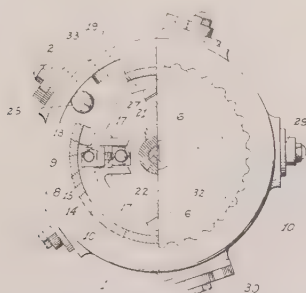
1. In aeroplane propulsion, the combination of a shaft having a longitudinal rib, a propeller hub fixed to said shaft, propeller blades carried by the hub and adjustable about their axes, a sleeve mounted on the shaft to turn therewith and be moved longitudinally thereof and having a flange at its forward end, a cross-head of I-form having

its web surrounding the shaft and opposed to said flange, an annular disk surrounding the shaft and opposed to the rear side of the cross-head web and connected to said web and the flange on the sleeve, rods connecting the propeller blades and said cross-head, spaced flanged collars loosely surrounding the sleeve in rear of the said annular disk, anti-friction balls interposed between the said disk and the forward collar, a cross head loosely surrounding the sleeve and the flanges of the collars and interposed be-



tween said collars, a collar disposed in rear of the rear flanged collar, anti-friction balls interposed between said collars, an adjusting member threaded on the rear portion of the sleeve and arranged in rear of the third-named collar and having a circular series of seats in its rear side, a locking plate detachably connected to the sleeve and removably arranged in one of said seats of the adjusting member, and means connected with the second-named cross-head whereby an aviator is enabled to adjust and adjustably fix the blades.

1,407,273. COMBINATION LOCK. JOSEPH J. HASKIN, Stockton, Calif., assignor of one-half to Thomas II. Roscoe, Alameda, Calif. Filed Mar. 26, 1921. Serial No. 455,840. 5 Claims. (Cl. 70—18.)

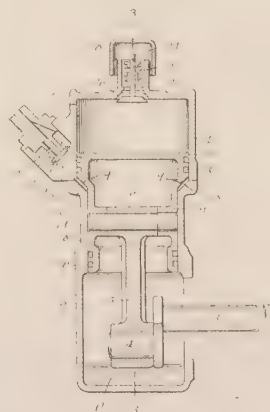


1. A lock comprising a fixed body mounted in connection with a movable post, a spring-pressed locking bolt slidably mounted in the body and adapted to seat in a slot provided in the post, a cap turnably mounted on the body and arranged in connection with the bolt to withdraw the same from the slot with the turning of said cap and a combination mechanism between the body and cap arranged to prevent undesired mechanism of the latter, such mechanism comprising pins turnably mounted in the body, each pin being adapted to be independently manipulated from the exterior of the body, semispherical members formed with the pins on the inner ends thereof, and independent semispherical members complementary to the first named members, the body and cap being abutting along the plane of the axes of said pins and members and being provided with sockets to receive the latter.

1,407,274. TOBACCO. HAROLD HIBBERT, Toronto, Ontario, Canada, assignor to The Commercial Research Company, a Corporation of New York. Filed Mar. 20, 1917, Serial No. 156,194. Renewed July 20, 1921. Serial No. 486,281. 7 Claims. (Cl. 131—6.)

5. As a new article of manufacture, a tobacco product containing a glycol.

1,407,275. COMPRESSOR. ROLAND C. HILTON, Troy, N. Y., assignor to Reece-Hilton, Inc., Troy, N. Y., a Corporation of New York. Filed Dec. 10, 1919. Serial No. 348,869. 10 Claims. (Cl. 230—27.)



1. In a compressor, the combination with a reservoir for lubricant of a cylinder having a discharge port, a piston substantially closing said cylinder against the entry of lubricant from said reservoir, an air chamber between one part of said piston and said cylinder, said air chamber having a portion interposed between said lubricant reservoir and said port, and means for maintaining the pressure in said air chamber at all times at least as high as that of the air in said lubricant reservoir.

1,407,276. NUT-LOCKING TOOL. ALBERT HOMANN, Pittsburgh, Pa. Filed Nov. 8, 1920. Serial No. 422,417. 4 Claims. (Cl. 81—10.)

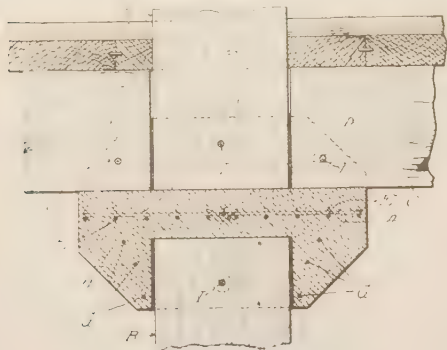


1. A thread cutting and spreading tool for use in conjunction with a bolt and nut arranged to enter an orifice in the nut and comprising a shank, a cutting edge arranged to cut a bolt thread transversely, and a spreading portion disposed substantially at right angles to the cutting edge and arranged to displace a portion of the thread adjacent the point at which it is cut.

1,407,277. CONCRETE COLUMN CAP. SIMON H. INGEBERG, Elmhurst, Ill. Filed May 21, 1920. Serial No. 383,072. 3 Claims. (Cl. 20—95.) (Dedicated to the public.)

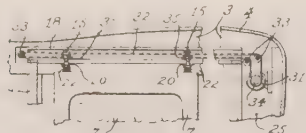
1. In a cap for timber columns, the combination of intimately connected members of Portland cement concrete or other similar fire-resistive material, consisting of a horizontal slab for receiving the timber column and beam ends,

vertical side ribs extending above and below said slab, connecting members extending below said slab and between



said ribs; and systems of reinforcing bars embedded in said slab, ribs, and connecting members.

1,407,278. CONVERTIBLE OPEN AND CLOSED VEHICLE TOP. DAVID R. JENKINS, Oakland, Calif. Filed May 24, 1920. Serial No. 383,609. 1 Claim. (Cl. 296—47.)



In a vehicle having a top and a body in spaced relation; a window fitted in said space with its lower edge slidably mounted on the body; a hollow guide in the top having a longitudinal slot in its bottom; hangers connected with the top of the window, said hangers slidably fitted in the slot of the guide and having heads within said guide; plates freely fitted on the hangers and slidably bearing under the guide; springs around said hangers between the plates and the top of the window to hold the window snug; and a power transmitting member housed within the guide and connected with the heads of the hangers to slide said hangers and open and close the window.

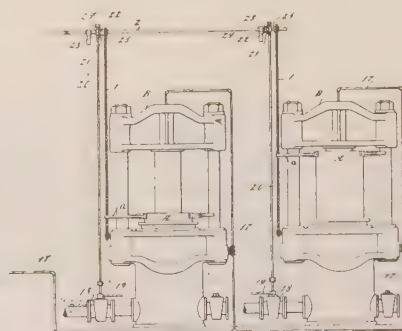
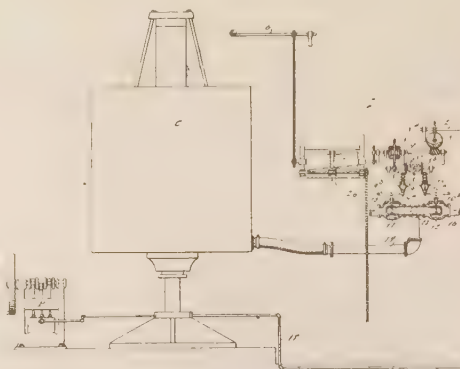
1,407,279. COMPOSITION FOR MAKING BRIQUETTES. HERMON JOHN, Tacoma, Wash. Filed Oct. 18, 1920. Serial No. 417,751. 1 Claim. (Cl. 44—19.)

A plastic fuel composition of the character described consisting of substances in the following proportions, viz.—ninety two pounds of powdered lignite, four pounds of tar, one and one-half pounds of fuller's earth and one-half pound of sea salt.

1,407,280. AUTOMATIC REGULATOR FOR ARTIFICIAL-SILK MACHINES. GEORGE JUER, Philadelphia, Pa. Filed July 10, 1920. Serial No. 395,358. 15 Claims. (Cl. 18—8.)

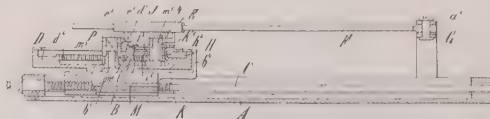
1. A pressure regulating device comprising a press having a part moving with the movable pressing element, a shaft and connections therefrom to the said part whereby the shaft will be rotated at a rate proportional to speed of the pressing element, a second shaft and connections therefrom to a spinning machine whereby this shaft will

be rotated at a rate proportional to the speed of the spinning machine, and means interposed between the said



shafts operative when their speed ratio varies from a given value to accelerate or retard the operation of the press and restore the said ratio value between the shafts.

1,407,281. RANGE AND POSITION FINDER. HEINRICH JUST, Essen-on-the-Ruhr, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed July 18, 1913. Serial No. 779,740. 7 Claims. (Cl. 235—61.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

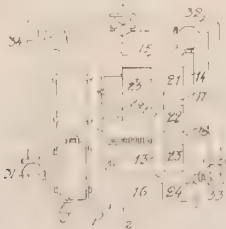


1. A range and position finder for guns, comprising a table, a ruler mounted to oscillate thereon, a disk mounted to slide on said table, a link connecting the center of said disc with a journal point on said ruler, said table, ruler, and link producing a mechanical triangle determined by the center of said disc, the axis of oscillation of said ruler, and said journal point; means for adjusting the sides of the mechanical triangle converging at the axis of oscillation of said ruler; and means for adjusting the angles of said mechanical triangle opposite to said sides, comprising longitudinal and angular scales for the range and horizontal position readings respectively, said disc carrying said angular scales and being situated at one of the points of the mechanical triangle distant from said axis of oscillation, and said table and ruler carrying said longitudinal scales, the zero points of said longitudinal scales being situated adjacent the axis of oscillation of said ruler.

3. A range calculating instrument for a gun, the instrument having a table, a ruler, a disk, a link connecting the

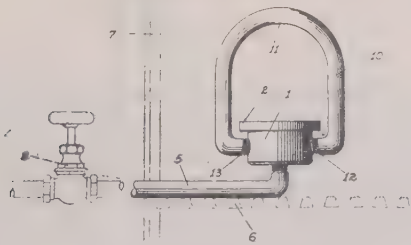
center of the disk with said ruler, and means for adjusting said instrument parts to each other, said ruler being journaled at one end on said table; said means comprising a sleeve on the ruler, said link being pivoted on said sleeve and mounted to revolve around the axis of said disk, a slide mounted in guides on said table and adapted to be adjusted longitudinally in the same vertical plane in which lies the axis of revolution of said ruler, said disk being revolvably seated on said slide; whereby, on mutually adjusting said several parts, a mechanical triangle will be produced, the points of said mechanical triangle being situated respectively in the axis of said disk, in the axis of oscillation of said ruler and in the point of said link.

1,407,282. WATER HEATER. WALFRID KARLSSON, Viggbyholm, Sweden, assignor to Aktiebolaget Tubus, Stockholm, Sweden, an Organization of Sweden. Filed Aug. 18, 1921. Serial No. 493,495. 4 Claims. (Cl. 122—225.)



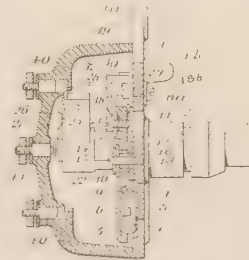
1. A heater with a series of upright transverse members connected with longitudinal assembling tubes, the members being composed of pipes between which a furnace and several longitudinal flues are formed, characterized by that the intermediate members are composed of four upright pipes and two horizontal pipes of the transverse length of the members which connect the upper and lower ends of the upright pipes, and four short horizontal pipes (17 18) which connect the upright pipes in pairs; and that one or more front members consist of four upright pipes and two long horizontal pipes (15 16) and two short horizontal pipes (18), while one or more of the rear members consist of two upright pipes of the height of the members and two shorter upright pipes (12 13) and two horizontal pipes of the transverse length of the members which connect the upper and lower ends of the longer upright pipes, and two short horizontal pipes which connect the longer upright pipes (11 14) with the upper ends of the shorter upright pipes.

1,407,283. HYDROCARBON BURNER. JOHN R. KARR and CHARLES L. SHEPPARD, Tracy, Calif. Filed Apr. 16, 1920. Serial No. 374,265. 5 Claims. (Cl. 158—66.)



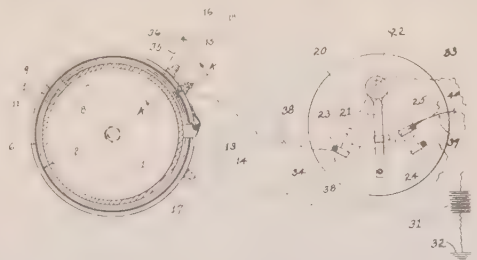
5. A burner comprising a hollow base having an inlet; and a one-piece arch provided with a combustion orifice, the ends of the arch having oppositely threaded connection with opposite sides of the base, the arch being sufficiently resilient to permit the base to be introduced between the ends of the arch, the arch and the base being relatively movable to secure threaded connection between the ends of the arch and the base.

1,407,284. IGNITION-CONTROL APPARATUS. ARTHUR ATWATER KENT, Ardmore, Pa., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Continuation of application Serial No. 131,750, filed Nov. 16, 1916. Renewed Jan. 15, 1920, Serial No. 351,700. This application filed July 8, 1921. Serial No. 483,188. 38 Claims. (Cl. 200—30.)



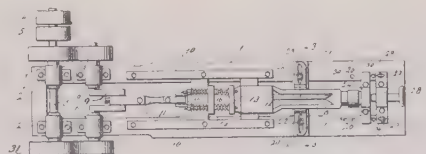
1. In a combined contact maker and distributor, the combination with a drive shaft, of an integral cam and distributor block of insulating material mounted on said shaft, and a metallic member engaging said cam.

1,407,285. CARBURETOR HEATER. ALBERT G. KOCH and LOUIS C. FLOTOW, Appleton, Wis. Filed Feb. 19, 1921. Serial No. 446,207. 5 Claims. (Cl. 219—38.)



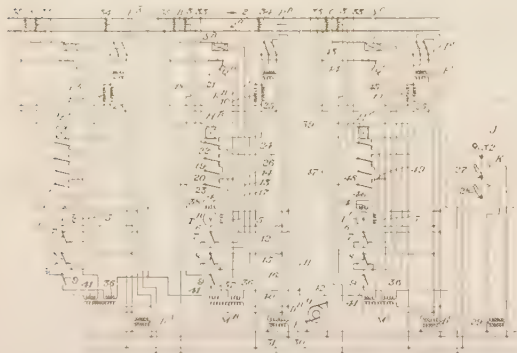
1. An electrical heater for a carburetor comprising a heating element, means for positioning said heating element upon said carburetor, and means for connecting said heating element to vary the amount of energy consumed by said element by varying the effective resistance of said heating element.

1,407,286. BIT-DRESSING MACHINE. FORREST M. LEE, Geneva, Ind. Filed Aug. 2, 1920. Serial No. 400,753. 3 Claims. (Cl. 76—5.)



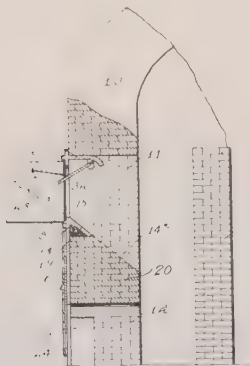
1. In a bit dressing machine, the combination with a framework, and means on one end thereof for adjustably supporting the work; of a power shaft journaled across the other end of the framework, a crank shaft mounted adjacent thereto, gearing connecting said shafts to cause their rotation at different speeds, a cross head slidably mounted on the framework, a pitman connecting it with the crank shaft, a second cross head mounted on the framework forward of the first, bolts projecting from this cross head through openings in the first, springs on the bolts at opposite sides of the first cross head, and a hammer carried by the second cross head.

1,407,287. RAILWAY-TRAFFIC-CONTROLLING SYSTEM. LLOYD V. LEWIS, Wilkensburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Jan. 9, 1920. Serial No. 350,322. 24 Claims. (Cl. 246—34.)



23. In combination, a section of railway track over which traffic normally moves in one direction only, means normally controlled by traffic conditions in advance of said section for supplying line circuit current to the section for co-operation with trains moving in normal direction over the section, and means for at times supplying line circuit current to said section regardless of traffic conditions extraneous to the section to permit a train movement in opposition to the normal direction of traffic.

1,407,288. KILN FURNACE. FRANK M. MARRIS, Adel, Iowa. Filed Feb. 14, 1921. Serial No. 444,929. 3 Claims. (Cl. 25—151.)

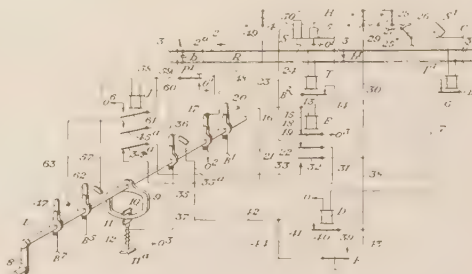


1. In a device of the class described, the combination of a kiln having fuel and draft openings with a single integral frame having openings corresponding with said fuel and draft openings, a vertically pivoted door for said fuel opening, a horizontally pivoted auxiliary door inside of said vertically pivoted door, means actuated by opening said vertically pivoted door for swinging the lower edge of said horizontally pivoted door outward.

1,407,289. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. RONALD A. McCANN, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Nov. 4, 1920. Serial No. 421,676. 4 Claims. (Cl. 246—134.)

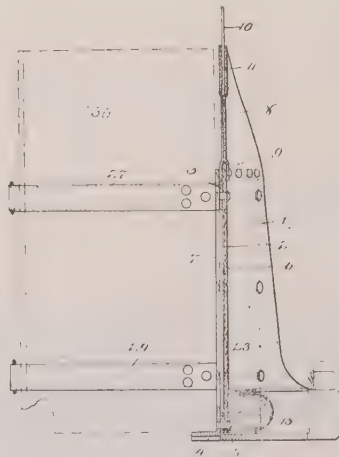
1. Railway traffic controlling apparatus comprising a block, a signal governing traffic into said block and having a main arm and a calling-on arm, a manually operable lever for controlling said signal and having a normal position in which both of said arms indicate stop, means

controlled by said lever when moved to an operated position for clearing said main arm, a lock for preventing return of said lever to normal position, approach locking means for releasing said lock except when there is a train approaching said block and automatic means for releasing said lock when a train has entered said block, an auxiliary manually controlled device having a normal position and



acting to clear said calling-on arm when the device and the lever are both in operated positions, and means for preventing return of said device to normal position until the lever has been restored to normal position; characterized by the combination therewith of means associated with said auxiliary device and functioning when the device is in operated position to prevent release of said lever lock by said automatic means.

1,407,290. MAN PACK CARRIER. JAMES E. McNARY, Chicago, Ill. Filed Oct. 24, 1919. Serial No. 333,085. 2 Claims. (Cl. 224—25.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A one piece pack carrier, including a body portion characterized by a main element, a brace secured to the lower end thereof and adapted to encircle the waist of the wearer, a pack support secured to said lower end, a reinforcing plate secured to the upper end of said main element and a flexible member secured to and rising from the upper edge of said main element; suspender straps secured to the flexible member and means for fastening said straps to secure the carrier in place.

1,407,291. STRAP-END-ATTACHING DEVICE. ZACHARY T. MILLER, Bliss, Okla. Filed Apr. 15, 1921. Serial No. 461,547. (Renewed Jan. 18, 1922. Serial No. 530,232. 3 Claims. (Cl. 24—265.)

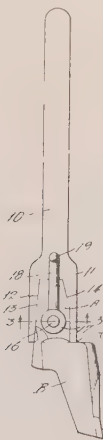
1. As a connecting device for an end of a strap or the like, a piece of bendable sheet metal having a central

web, a leg extending therefrom arranged to be extended through and bent over a side of a ring or the like and down against the web, a clamping part extending from



said web arranged to be bent over and down against a strap or the like on said bent-over leg, and another part on said web arranged to be bent over and down against said clamping part.

1,407,292. BIT-HOLDING TOOL. GUSTAVUS A. MONTGOMERY, Dallas, Tex., assignor of one-half to The Gulberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed Aug. 2, 1920. Serial No. 400,696. 1 Claim. (Cl. 81—3.)

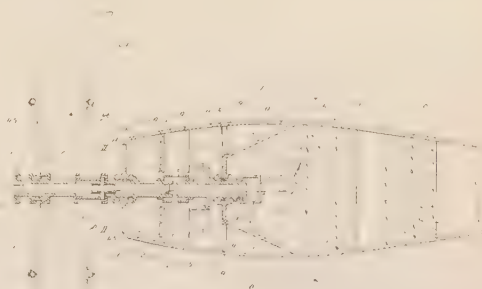


A device for holding and manipulating a plurality of well bits in dressing the same, comprising a substantially straight elongated handle provided at its forward end with a substantially flat head extending forwardly of the handle, said head being provided upon its opposite faces with sockets, each socket having its outer side and forward end open, said head having a transverse opening extending through the sockets, said sockets being adapted to receive the shanks of a pair of drill bits, whereby the bits are held assembled in the position they occupy when in use, said shanks having transverse openings, and a bolt passing through the transverse openings of the shanks and the head, and a nut carried by the bolt and provided with a radial handle whereby the nut may be readily turned.

1,407,293. AEROPLANE. SAMUEL D. MOTT, Passaic, N. J., assignor of one-half to Arthur B. Sullivan, Allendale, N. J. Filed Dec. 13, 1915. Serial No. 66,466. 8 Claims. (Cl. 244—30.)

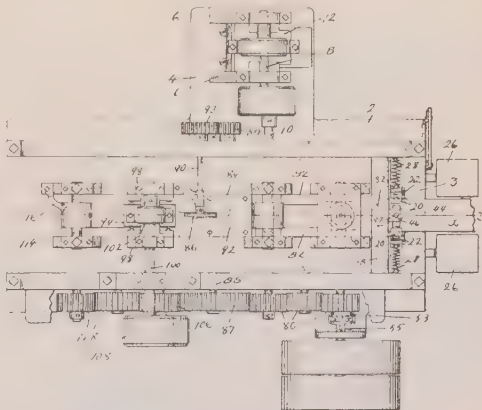
1. An aeroplane adapted for flying in high altitudes having an air-tight enclosed space for the aviator, a

diaphragm exposed on the one side to the air pressure in said enclosed space and on the other or external side to the pressure of the surrounding atmosphere, means controlled by said diaphragm for maintaining constant



pressure of air within said space and manual means for adjusting the action of the diaphragm to compensate for changes of altitude and pressure on the external face thereof.

1,407,294. PROCESS AND MACHINE FOR MAKING WELTING. CARL S. NORDEN, Haverhill, Mass. Filed Dec. 29, 1920. Serial No. 433,879. 11 Claims. (Cl. 12—67.)



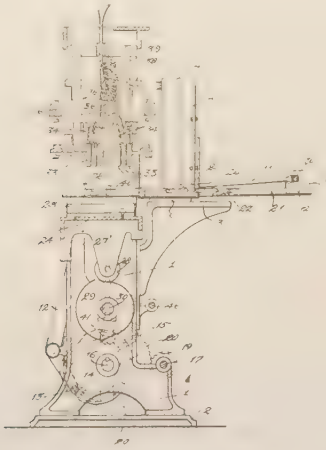
1. In a machine for reducing strips of leather to a uniform width, a bed, a pair of edge-trimming knives spaced correspondingly to the desired width of the strip and disposed in upright position with relation to the bed, means for feeding the strip over the bed between the knives, a freely movable edge guide, at one side of the path of movement of the strip as it is fed, movable from a position at one side of said path to a position in which its guiding face and the edge of the adjacent knife lie in a common plane, and manually controlled means for holding the guide in yielding engagement with the strip.

10. The process of making welt strips which consists in trimming waste strips of leather to the required width, splitting surplus leather from the flesh side of the strip, transversely indenting the opposite edge portions of the strip on its flesh side, and thereafter subjecting the strip to a succession of blows on its grain side.

1,407,295. CRATE-HEAD-MAKING MACHINE. GEORGE D. PARKER, Riverside, Calif. Filed July 8, 1919. Serial No. 309,379. 5 Claims. (Cl. 1—81.)

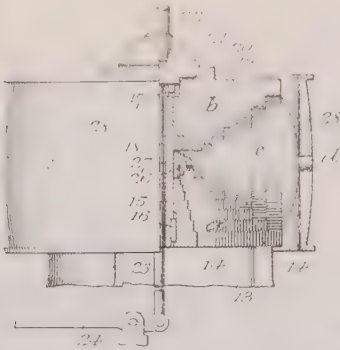
5. A machine of the character described comprising a supporting frame, a platform mounted in the frame for

vertical sliding movement, nailing bases secured to and carried by the platform, spaced hoppers for containing end posts, a hopper received between the spaced hoppers for containing end pieces, means for feeding the end posts



and end pieces from the hoppers on to the nailing bases, means for vertically adjusting the platform with the end posts and end pieces thereon, and nailing mechanism for securing the end pieces to the end posts.

1,407,296. COMBINED THRUST-BEARING AND DRIVING MECHANISM. CHRISTIAN F. PAUL, Jr., Austin, Tex., assignor to Ernest Nalle, W. P. Allen, and Ed Rosengren, trustees, Austin, Tex. Filed June 15, 1921. Serial No. 477,860. 8 Claims. (Cl. 74—26.)

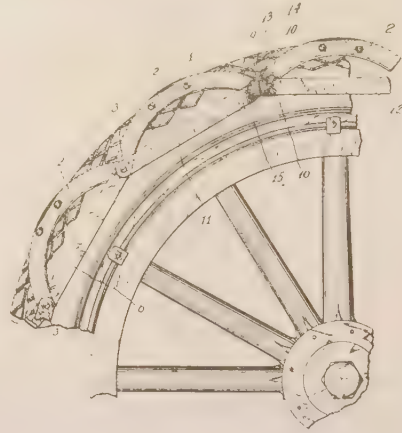


1. In a combined thrust-bearing and driving mechanism, a stationary element, a plurality of transmitting elements rolling on the stationary element and about a common axis, a driven element bearing upon the transmitting elements and rotated by the latter about said axis, means for revolving the transmitting elements around said axis, a friction clutch associated with said driven element, and means, including a stem extending through said driven element at the axis thereof, to release the clutch.

1,407,297. CLEANING AND SCOURING COMPOUND. THOMAS W. PRITCHARD, Wilmington, N. C. Filed Sept. 24, 1917, Serial No. 192,961. Renewed July 7, 1921. Serial No. 483,088. 5 Claims. (Cl. 87—5.)

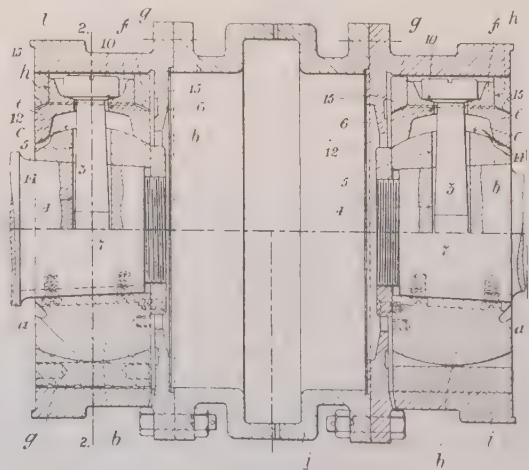
1. The herein described cleaning and scouring compound consisting of soap produced from natural fat and alkali, water, and pine oil produced from resinous wood by distillation and free from turpentine.

1,407,298. ANTISKID DEVICE AND TIRE PROTECTOR. FRANK PROKUPEK, Millvale, Pa. Filed Mar. 17, 1921. Serial No. 453,098. 1 Claim. (Cl. 152—14.)



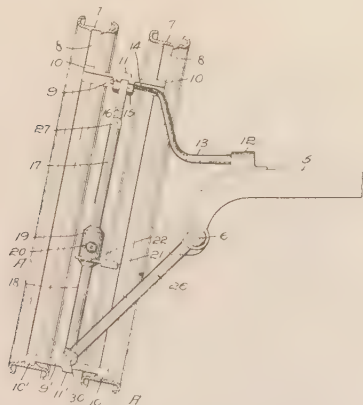
An anti-skidding device of the character described, composed of a plurality of X-shaped members stamped integrally from a sheet of metal, said members being curved to conform to the shape of the tire and having arms extending laterally of the sides of said tire, for the protection thereof; links connecting the ends of the co-lateral arms of each X-shaped member; registering apertures provided in the ends of said arms and links; hinge-pins inserted through said apertures, and bolts engaging said apertures provided in the juxtaposed arms of the end-members of said hinged-members.

1,407,299. FLEXIBLE EXPANSION COUPLING FOR ROTARY SHAFTS. WILLIAM ROBERTSON, Govan, Glasgow, Scotland, assignor of one-half to The Fairfield Shipbuilding & Engineering Company Limited, Govan, Glasgow, Scotland. Filed Mar. 5, 1921. Serial No. 449,658. 11 Claims. (Cl. 64—91.)



11. A flexible expansion coupling for rotary shafts comprising a sleeve having guideways therein, a spherosegmental boss in said sleeve having arcuate guideways therein, socket keys slidable in said arcuate guideways, pins on said socket keys, fulcrum blocks engaging said pins and slidable in the guideways in said sleeve and a tie bolt passing through said boss and socket keys and uniting the latter.

- 1,407,300. HOLDER FOR RIMS AND TIRES. DELMAR G. ROOS, Bridgeport, Conn., assignor, by mesne assignments, to The Locomobile Company, Bridgeport, Conn., a Corporation of Delaware. Filed Apr. 2, 1917. Serial No. 159,086. 5 Claims. (Cl. 224—29.)



2. A holder for tires and rims comprising a bracket support for suspending a rim by engagement with its inner circumference, an opposed rim engaging shoe, an extensible member pivoted to said bracket and shoe respectively to swing transversely thereof and a member pivoted to the vehicle and having a pivotal connection with the shoe to connect the same to the vehicle.

- 1,407,301. PROCESS FOR REPRODUCING PICTURES.

CHARLES W. SAALBURG, New York, N. Y., assignor to The Prismatone Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 15, 1921. Serial No. 445,179. 11 Claims. (Cl. 41—43.)

1. The process of etching a master cylinder or roll comprising applying a coating of a material capable of removal by a slight pressure, fixing thereover a thin sheet of material having a rough rear surface, drawing a design and registry marks upon the sheet whereby corresponding parts of the said coating are removed, and etching the cylinder.

- 1,407,302. PROCESS OF ETCHING ROLLS TO MUTUALLY REGISTER. CHARLES W. SAALBURG, New York, N. Y., assignor to The Prismatone Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 15, 1921. Serial No. 445,191. 16 Claims. (Cl. 41—42.)

1. The process of etching rolls to secure registry, comprising the steps of transferring to a roll by shallow etching a design containing registry marks from a master roll, supplying the former roll with a removable coating, removing portions of the coating to register with the design to be printed in color or otherwise, etching the rolls, and removing the coatings.

- 1,407,303. PROCESS OF MAKING GRAIN ETCHINGS.

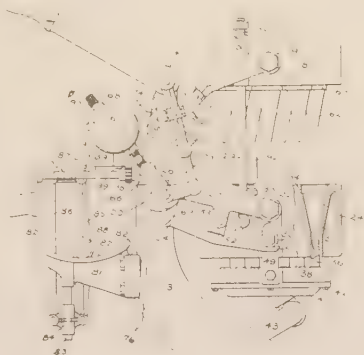
CHARLES W. SAALBURG, New York, N. Y., assignor to The Prismatone Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 15, 1921. Serial No. 445,192. 9 Claims. (Cl. 41—43.)

1. The process of making grain etchings comprising depositing a plurality of grains on a metal printing roll on both sides of a carbon print, and then etching the printing surface.

- 1,407,304. APPARATUS FOR BAKING PASTRY. LEE C. SHARP, Plattsmouth, Nebr., assignor, by mesne assignments, to Alexander McLaren, Dayton, Ohio. Filed Feb. 3, 1920. Serial No. 355,965. 33 Claims. (Cl. 107—66.)

1. In a machine of the class described, a bed having a plurality of mold-cavities therein, a head having cores

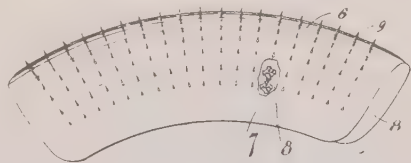
arranged to enter the mold-cavities of the bed, separate means for movably supporting said bed and head, and means connecting said supporting means whereby the bed and head are impelled to move in opposite directions and substantially counterbalance each other.



3. In a machine of the class described, a fixed supporting frame, a mold-bed, a core-head, and interconnected movable supporting means between said frame and the bed and head, whereby the latter are mutually counterbalanced.

20. In a machine of the class described, a mold-bed having a series of mold-cavities therein, a chambered head-member, cores carried by said head-member and adapted to enter the mold-cavities, said cores having stems extending into the chamber of the head-member, heating means disposed beneath the mold-bed, the mold-bed and head member being perforate whereby combustion products from the heating means may pass through the bed and into the chamber of the head-member and escape therefrom, and means for controlling circulation of the combustion products through the head-chamber to equalize heating of the core-stems therein.

- 1,407,305. TIRE BOOT. EDGAR M. STELL, Spokane, Wash., assignor to Porcupine Manufacturing Company, Spokane, Wash. Filed June 5, 1919. Serial No. 301,874. 1 Claim. (Cl. 152—24.)



The combination with a fractured tire casing, of a reinforcing boot conforming to the contour of the tire and comprising outer and inner layers of flexible material and an intermediate cementing medium, of a multiplicity of flat heads interspersed over the whole area between the layers and provided with openings and lugs as described to enhance the binding effect of the cement, and said heads provided with radiating spurs extending transversely through the outer layer of the boot and piercing the inner wall of the outer casing of the tire.

- 1,407,306. CUTTING TORCH. JOHN H. TURPIN and OTTO B. BROOKMAN, Bremerton, Wash. Filed May 16, 1921. Serial No. 469,847. 9 Claims. (Cl. 158—27.4.)

5. In a cutting torch including a handle, a head, pipes for the gases connecting the handle and head, a burner associated with the head, plates arranged at opposite sides of the pipes, each of said plates being provided with

a pair of outstanding flanges, a contact arm coacting with each of the plates, the opposite end portions of the contact arm being angularly disposed in opposite directions, a contact carried by one of the angular extremities,



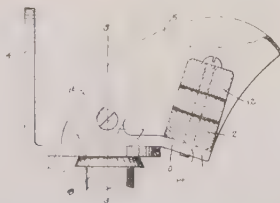
the opposite angular portion fitting between a pair of flanges of a plate, a holding pin disposed between the pair of flanges and the extremity of the contact arm inserted therebetween, and a spring member carried by the plate and bearing against the contact arm.

1,407,307. CONDUIT CAP FOR ELECTRIC INSTALLATION. WHEELER H. VIBBER, New London, Conn., assignor of one-half to The Gillette-Vibber Co., New London, Conn., a Corporation. Filed Oct. 13, 1919. Serial No. 330,204. 5 Claims. (Cl. 247-6.)



1. A conduit-cap for electric installation, having a one-piece bracket formed with a threaded opening for its application to a threaded conduit-pipe, and perforated for being rigidly secured to a mounting surface, and wire-gripping and insulating means mounted upon the said bracket, whereby the bracket is supported independently of the pipe which is supported by the bracket, and whereby the entire strain imposed upon the wires is carried by the bracket and the conduit-pipe relieved of the strain upon the wires.

1,407,308. SWIVEL CONDUIT CAP FOR ELECTRIC INSTALLATION. WHEELER H. VIBBER, New London, Conn., assignor of one-half to The Gillette-Vibber Co., New London, Conn., a Corporation. Filed Nov. 1, 1919. Serial No. 334,993. 8 Claims. (Cl. 247-6.)

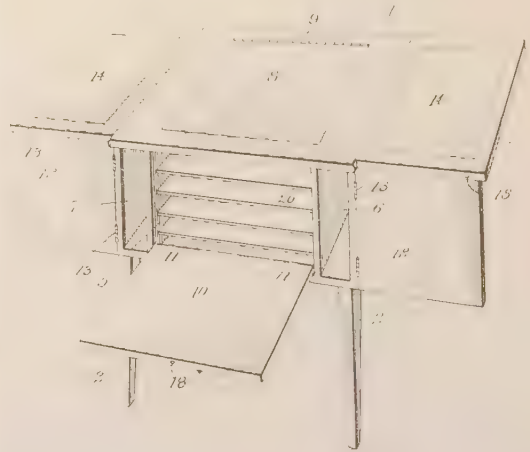


1. A conduit-cap for electric installation, having a rigid bracket, a swivel-member mounted upon the bracket, said bracket and swivel members including means adapting the conduit-cap to be applied to a conduit-pipe and to be fastened to a fixed support, and wire-gripping means mounted upon the said swivel-member, whereby the same turns in accordance with the direction of the strains upon the wires and whereby such strains are transmitted by the said rigid bracket to the fixed support thereof and the conduit-pipe relieved of strains.

1,407,309. PHONOGRAPH CABINET. MORRIS VICTORSON, Jersey City, N. J. Filed Jan. 22, 1921. Serial No. 439,176. 1 Claim. (Cl. 45-52.)

The combination with a cabinet having a record compartment opening at its front, an inner door for said

compartment hinged at the lower edge thereof and adapted to swing outwardly to horizontal position, extension leaves hinged to the lateral edges of the top of the cabinet and adapted to fold down at its sides or be



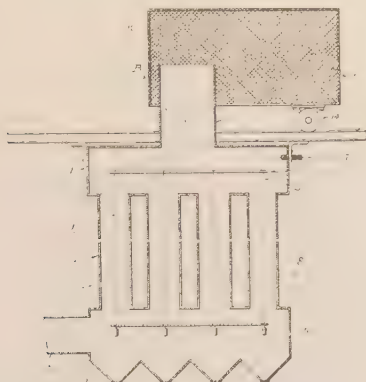
raised into the plane of said top, and outer doors for said compartment hinged vertically to the cabinet and adapted to support said leaves in raised position when opened and to cover said inner door when closed.

1,407,310. HAND BAG. HENRY WIENER, New York, N. Y., assignor, by mesne assignments, to Whiting & Davis Company, Plainville, Mass., a Corporation of Massachusetts. Filed Oct. 12, 1920. Serial No. 416,430. 6 Claims. (Cl. 150-34.)



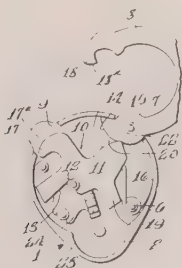
2. A handbag comprising a pair of hinged frame members which converge upwardly, a bridging portion extending across the space between the sides of one of the frame members, fabric for completing the bag carried by the frame members, and an outwardly opening receptacle provided with a hinged cover mounted in said bridging portion, the receptacle extending into contact with the fabric carried by the other frame member and being made shallower at the top than at the bottom so as not to cause a bulge in said fabric where it contacts therewith.

1,407,311. APPARATUS FOR ELECTRICAL PRECIPITATION OF SUSPENDED PARTICLES FROM GASES. GUSTAV A. WITTE, Philadelphia, Pa., assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed June 4, 1918. Serial No. 238,167. 4 Claims. (Cl. 183—7.)



4. The combination with an electrical precipitator provided with discharge electrodes and collecting electrodes, and means for maintaining unidirectional high potential difference between said electrodes, of a conducting-filter in the path of the gases passing out of the treater, said filter having substantially the same potential as the collecting electrodes.

1,407,312. LOCK. HIRAM J. YOUNG, Syracuse, N. Y., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Jan. 8, 1919. Serial No. 270,117. 9 Claims. (Cl. 70—105.)

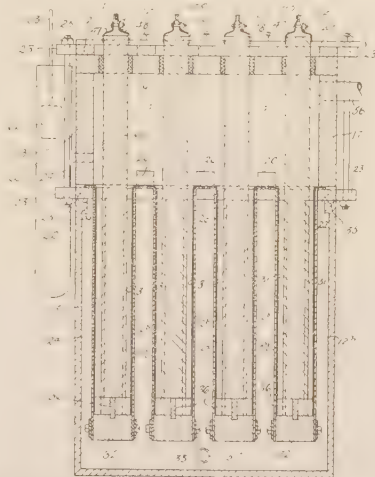


8. A lock comprising a casing, a shackle pivoted at one end to the casing and having its other end movable into and out of the casing, the pivoted end being provided with a cam portion and a seat at one end of the cam portion, a tumbler pivotally and slidably mounted in the casing and having an arm slidably engaging said cam portion at the pivoted end of the shackle and a tooth for engaging said seat, the tumbler also having a part for interlocking with the free end of the shackle, and a key engaging part, and a spring acting on the tumbler and tending to move the same to its locked position, substantially as and for the purpose set forth.

1,407,313. APPARATUS FOR ELECTROLYSIS. EDWARD A. ALLEN, Portland, Me. Filed Feb. 15, 1919, Serial No. 277,175. Renewed Oct. 21, 1921. Serial No. 509,400. 15 Claims. (Cl. 204—5.)

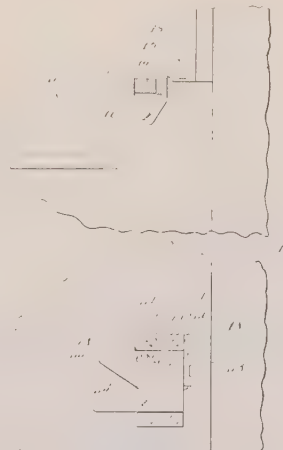
3. An electrolytic cell comprising a casing, a cathode

formed as a metallic tube supported within said casing and having a bottom, and an anode occupying the interior of



said tube and supported by said bottom but insulated from the tube.

1,407,314. WINDOW CONSTRUCTION. ROY T. AXE, Syracuse, N. Y., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed June 27, 1917. Serial No. 177,214. 2 Claims. (Cl. 189—64.)

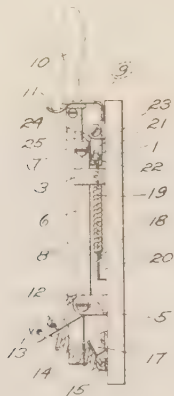


1. In a window construction, the combination of a frame formed with a lengthwise channel, a sash having one of its side edges located near and out of the channel, a window lock including a base plate mounted on the sash at said edge and coacting with the frame, and a member carried by the base plate and movable laterally beyond the edge of the sash into the channel to hold the window sash from detachment from the frame, substantially as and for the purpose described.

2. In a window construction, the combination of a frame formed with channels on opposite sides thereof, a sash movable in the frame, the front and rear walls of the upper portions of the channels above the position occupied by the sash when in its lowermost position, extending inwardly far enough to lap the margins of the front and rear faces of the sash, and the outer sides of the lower portions of the channels lapping the outer face of the sash and forming a stop therefor, and the inner walls of said lower portions of the channel being spaced apart a greater distance than the width of the sash, means on the upper edge of the sash coacting with the sides of the upper portions of the channel to hold the sash tight, and means on the

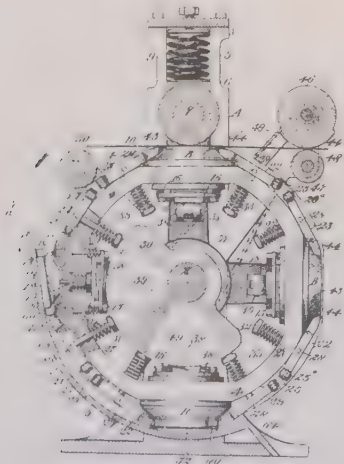
sash extending beyond the side edges thereof for engaging the walls of the channels and normally holding the sash from bodily displacement, substantially as and for the purpose described.

1,407,315. THERMODYNAMICALLY-CONTROLLED KNIFE SWITCH. MALCOLM H. BAKER, Braintree, Mass.; Marie H. Baker administratrix of Malcolm H. Baker, deceased, assignor, by mesne assignments, to Tremont Products Company, a Corporation of Massachusetts. Filed Oct. 8, 1915, Serial No. 54,882. Renewed Apr. 14, 1919. Serial No. 290,084. 12 Claims. (Cl. 200—122.)



1. In an electric knife switch having a stationary contact terminal and a pivoted, swingable, blade device adapted at one extreme position thereof conductively to engage with said terminal, in combination;—controlling means arranged by insulated engagement with said device to swing the latter into engagement with said terminal contact and against the resistance of resilient means arranged to oppose such engagement; and a thermo-dynamic device and associated mechanism controlled thereby, adapted when thermally energized to cause the separation of said blade device from said terminal; together with an electric heater for said thermo-dynamic device arranged operatively to be governed by said controlling means.

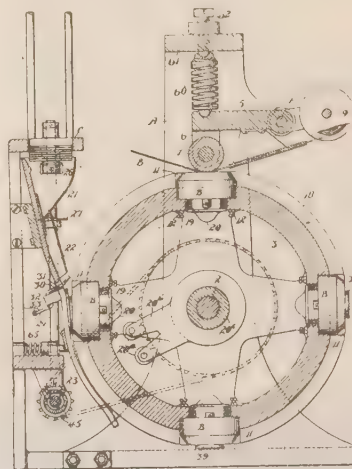
1,407,316. ROLLING CUTTER. GEORGE W. BLANKENHORN, San Francisco, Calif., assignor, by direct and mesne assignments, to California Packing Corporation, San Francisco, Calif., a Corporation of New York. Filed Aug. 28, 1916. Serial No. 117,188. 34 Claims. (Cl. 113—80.)



1. In a paper lining machine, a continuously moving die adapted to cut and receive a paper gasket, means for de-

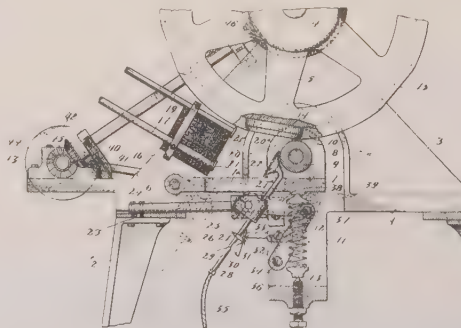
livering and centering a can end with relation to the die and means for transferring the gasket directly from the die into the can end while the die is moving.

1,407,317. PAPER-LINING MACHINE. GEORGE W. BLANKENHORN and THOMAS CASTBERG, San Francisco, Calif., assignors to California Packing Corporation, San Francisco, Calif., a Corporation of New York. Filed July 3, 1917. Serial No. 178,370. 51 Claims. (Cl. 113—80.)



1. In a paper lining machine, a die adapted to cut and receive a gasket, means for delivering a can end to the die, and yieldable means on the die for centering the end with relation to the gasket.

1,407,318. PAPER-DISK SEPARATING AND FEEDING DEVICE. GEORGE W. BLANKENHORN, San Francisco, Calif., assignor to California Packing Corporation, San Francisco, Calif., a Corporation of New York. Filed Mar. 11, 1920. Serial No. 365,049. 14 Claims. (Cl. 271—29.)

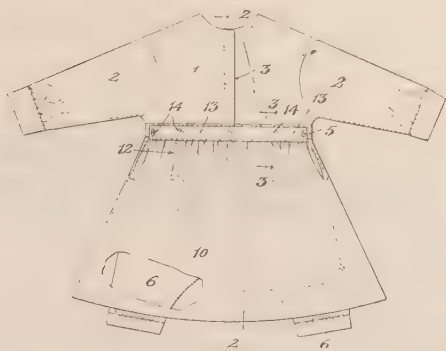


2. A disk blank feeding device comprising a holder disposed on angle in which the blanks are adapted to be received in stack formation, a suction cup movable to and away from the stack adapted to remove the blanks one by one, and means permitting angular adjustment of the suction cup with relation to the foremost blank in the stack.

1,407,319. GARMENT. ESTHER BORGENT, New York, N. Y., assignor to Brand Brothers, New York, N. Y., a Firm composed of Abraham Brand and Louis Brand. Filed June 11, 1921. Serial No. 476,846. 3 Claims. (Cl. 2—145.)

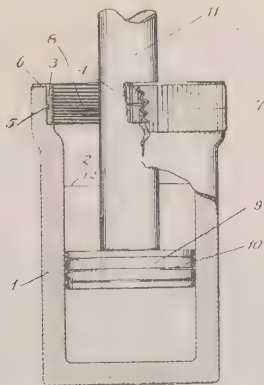
1. A garment having a body portion, a skirt portion extending therefrom, a trousers portion within the skirt portion and secured permanently and continuously thereto at

the waist line, said skirt and trousers portion being permanently united at the rear of the garment to form a sin-



gle movable flap and means on said flap for detachably securing the same at the waist line of the garment.

1,407,320. DASHPOT. WILLIAM F. BOUCHÉ, Buffalo, N. Y., assignor to Gould Coupler Company, a Corporation of New York. Filed May 10, 1917. Serial No. 167,847. 18 Claims. (Cl. 188—100.)

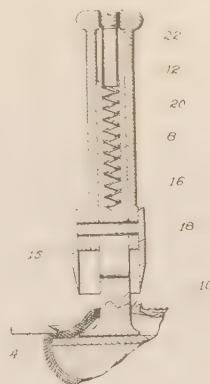


1. A dash-pot comprising a receptacle, a fluid in the receptacle and a piston operating in the fluid in the receptacle, the fluid being such that its viscosity is affected but little by temperature changes in the dash-pot and the piston and receptacle being of materials such that they are differently affected by temperature changes in such manner as to vary the clearance of the piston, under temperature changes, so as to compensate for the change in viscosity of said fluid, so as to cause the fluid to offer a substantially constant retarding effect to the movement of the piston in the receptacle under various changes in temperature.

1,407,321. MECHANISM FOR USE IN SHAPING SHOE UPPERS. MATTHIAS BROCK, Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 2, 1917. Serial No. 146,249. 22 Claims. (Cl. 12—103.)

2. In means for removing surplus upper stock from the toes of shoes, the combination of a member having an edge contour approximating that of the toe of a shoe and a

thickness to enter between the toe portion of an insole and the overlying portion of a shoe upper, and a cutter guided



in co-operative relation to said edge contour to shear off surplus upper on a line determined by the edge contour of said member.

1,407,322. PHONOGRAPH BOOTH. HENRY J. BROWN, New York, N. Y. Filed Sept. 2, 1920. Serial No. 407,700. 14 Claims. (Cl. 20—1.)



1. The combination with a customer's booth, of a phonograph arranged in a separate compartment associated with said booth, the horn of said phonograph opening into said booth.

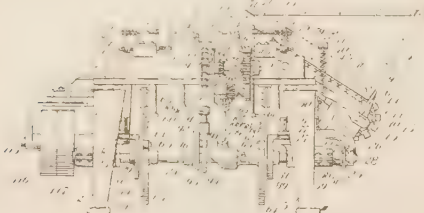
1,407,323. PROCESS FOR THE PRODUCTION OF HYDROGEN SULPHIDE FROM SULPHUROUS GASES. WALTER JAMES BROWNING, Huelva, Spain. Filed Nov. 12, 1919. Serial No. 337,585. 4 Claims. (Cl. 23—10.)

1. A process for continuously obtaining hydrogen sulphide from sulphurous gases consisting in passing the gases diluted with air through an incandescent carbonaceous zone in the presence of hydrogen to effect reduction of oxide of sulphur present in the gases by means of the incandescent carbon and to produce hydrogen sulphide by the inter-reaction with the hydrogen of the sulphur obtained by reduction.

1,407,324. PROCESS FOR THE EXTRACTION OF METALS. WALTER JAMES BROWNING, Huelva, Spain. Filed Aug. 28, 1920. Serial No. 406,710. 5 Claims. (Cl. 75—18.)

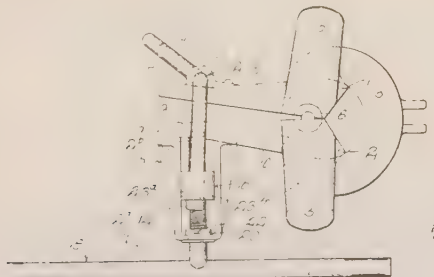
1. A process for the extraction of metals from solution which comprises passing sulfurous gases containing hydrogen sulfide through the solution to precipitate the metals as sulfides, treating the residual gases to convert at least a part of their sulfur content to hydrogen sulfide, and re-passing them through the solution.

- 1,407,325. NUT-CRACKING MACHINE. FRANK A. COARI, Chicago, Ill. Filed Sept. 14, 1918. Serial No. 254,105. 18 Claims. (Cl. 146—3.)



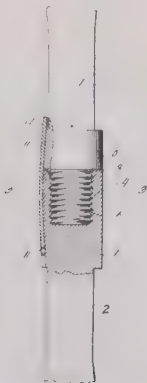
1. In a nut cracking machine, the combination with a carrier, of two groups of cracking plungers at each side of the carrier to directly deliver the same, a hopper for the nuts, a carrier co-operating with the first named carrier and arranged at right angles thereto and means for automatically ejecting the nuts from one carrier to the other.

- 1,407,326. LOCKING DEVICE. CHRIST F. DOTTS, Millvale, Pa., assignor of one-third to David Moore, Pittsburgh, Pa. Filed Mar. 5, 1921. Serial No. 450,008. 12 Claims. (Cl. 24—135.)



11. In combination with a wire line clamp including clamping elements and arms projecting from the same, a substantially U shaped clevis rockably mounted at its bight portion on one of said arms and straddling the same, a bracket secured on the other arm, a nut slidably mounted in said bracket for movement toward and away from said other arm and projecting above and below the bracket, said nut being provided in its forward face with transversely extending grooves adapted for reception of the end portions of the arms of the clevis, the clevis being provided at the outer end of each of its arms with enlarged elements, and means for adjusting said nut.

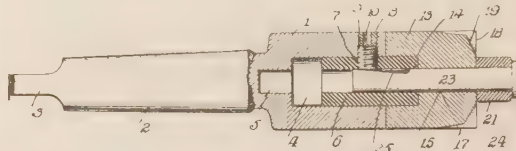
- 1,407,327. COUPLING FOR SUCKER RODS. WALTER D. GILES, Leesville, La. Filed Aug. 4, 1919. Serial No. 315,200. 4 Claims. (Cl. 279—100.)



1. The combination with two members to be connected having longitudinally aligned seats with undercut side walls, a key to enter said seats and engage said walls,

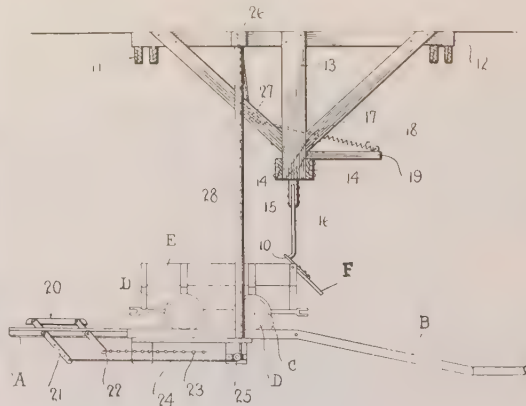
and means whereby the key is bent on entering said seats to reliably lock it in said seats to securely connect said members.

- 1,407,328. COUNTERBORE. JOHN C. GLENZER, Detroit, Mich. Filed May 16, 1918. Serial No. 234,858. 1 Claim. (Cl. 77—58.)



In a counterbore that has a body, a cutter having its inner end interlocked with the outer end of said body for rotation therewith, and a slidable headed center pin extending through said cutter into said body and held therein so as to maintain said body and cutter assembled:—a sleeve pilot loose on said pin against the head thereof and spaced from said body by the length of said cutter, said cutter having teeth throughout the length thereof and teeth on its outer end, and said pilot having its inner end notched to engage the end teeth of said cutter and brace said teeth relative to one another.

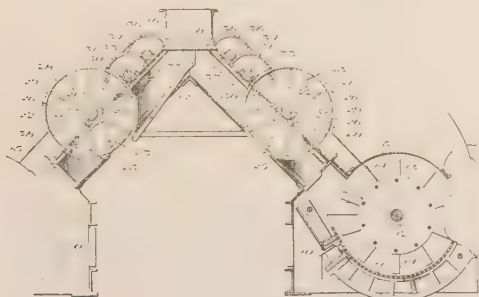
- 1,407,329. END-GATE RAISER FOR MINE CARS. ZACK GRASS, Heiner, Ky. Filed Mar. 2, 1920. Serial No. 362,813. 2 Claims. (Cl. 214—58.)



1. In combination with the trackway at a mine dump and in combination with a mine car adapted to travel upon said trackway and having a pivoted end gate, means for automatically raising said end gate when the car reaches the dump comprising an elevated superstructure, a movable member pivoted upon said superstructure and normally maintained in downwardly extending position, a trip rail engageable by the wheels of the car, a flexible member connected with said trip rail and with said movable member whereby to elevate said member upon the approach of a car to the dump, and a projection carried by the end gate of the car and engageable by said movable member upon its return to normal position when said trip rail is released whereby said movable member will strike said projection and raise the end gate.

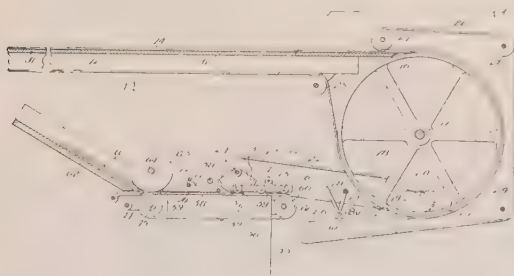
- 1,407,330. RETARDER FEEDER FOR CRUSHING MACHINES. JOSEPH L. HILLER, Mattapoisett, Mass., assignor to Pennsylvania Crusher Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 14, 1917. Serial No. 154,739. 3 Claims. (Cl. 83—11.)
2. The combination, in a machine of the class described, of a rotary pulverizing element with an inclined

feed trough or chute leading thereto, a material retarding element located above said chute and having a blade adapted to operate in the path of material flowing there-through, and a train of speed reducing operating means



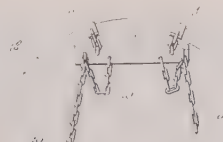
connected to said rotary reducing and retarding elements so that they operate in unison, and the retarding element at a less speed than the pulverizer, substantially as described.

1,407,331. MACHINE FOR MAKING BOXES. LEON E. LA BOMBARD, Chelsea, Mass., assignor to Specialty Automatic Machine Company, Chelsea, Mass., a Corporation of Massachusetts. Filed Sept. 16, 1916. Serial No. 120,488. Renewed Aug. 29, 1919. Serial No. 320,693. 13 Claims. (Cl. 93—36.)



1. A machine for facilitating the production of folded boxes, comprising means for causing blanks to travel singly and separated at one rate of speed, means for applying glue to selected portions of the blanks while so travelling, and means for continuing the movement of the blanks at a lesser speed of travel in exposed positions to enable said blanks to be manually folded.

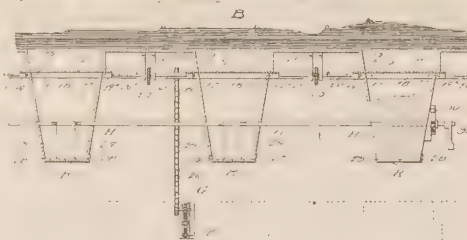
1,407,332. WHEEL HOLDER. HENRY I. MATSON, Astoria, Oreg. Filed Mar. 9, 1920. Serial No. 364,474. 2 Claims. Cl. 188—45.)



1. An apparatus for the purpose described having an equalizing bar, wheel flange clamps flexibly connected

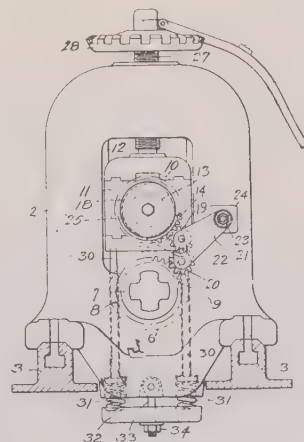
with the bar, rail engaging clamps flexibly connected with the bar, and means for adjusting the effective length of the connections between said bar and the rail engaging clamps.

1,407,333. APPARATUS FOR HANDLING MATERIALS. EDWARD HERBERT MCCONNELL, Roanoke, Va. Filed June 9, 1920. Serial No. 387,731. 6 Claims. (Cl. 221—112.)



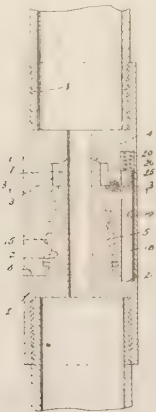
1. An apparatus of the character described comprising, a bin, a plurality of hoppers depending from and communicating with the bin, a pair of shutters in each of the hoppers adapted when closed to span the hopper at the filling end thereof, doors controlling the discharge end of each hopper, means for simultaneously actuating the shutters for all of the hoppers, and means for simultaneously actuating the doors for all of the hoppers.

1,407,334. ROLLING MILL. WILLIAM H. MELANEY, Pittsburgh, Pa. Filed Oct. 27, 1919. Serial No. 333,728. 7 Claims. (Cl. 80—54.)



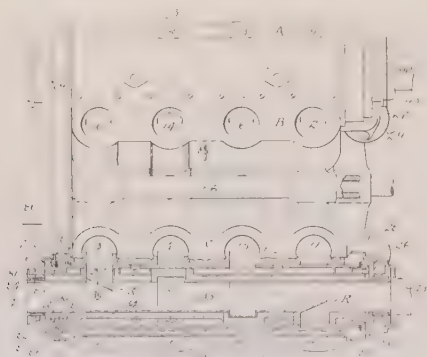
7. In a rolling mill, the combination with a housing, of a lower roll, an upper roll of smaller diameter, said rolls being always out of contact, a gear directly mounted on said lower roll, a gear mounted directly and loosely on said upper roll, said gear being driven by said first gear, and a clutch associated with said loose gear and carried wholly on the said upper roll for releasing said upper roll from said gear immediately when metal enters between said rolls.

1,407,335. PIPE AND TOOL JOINT. CHARLES B. REYNOLDS and CLARENCE D. REYNOLDS, Whittier, Calif. Filed June 2, 1920. Serial No. 386,020. 2 Claims. (Cl. 285-146.)



2. A joint comprising male and female members having a threaded connection between the same arranged whereby a single complete rotation of said members relative to one another will cause engagement of said threaded connection, a ground joint between the end meeting surfaces of said members, and clearance spaces at the ends of said threaded connection, and a locking pin for releasably engaging said members when thus connected.

1,407,336. INTERNAL-COMBUSTION ENGINE. HARVEY J. SALLER, Whitehouse, Calif. Filed July 15, 1918. Serial No. 244,827. 7 Claims. (Cl. 123-55.)

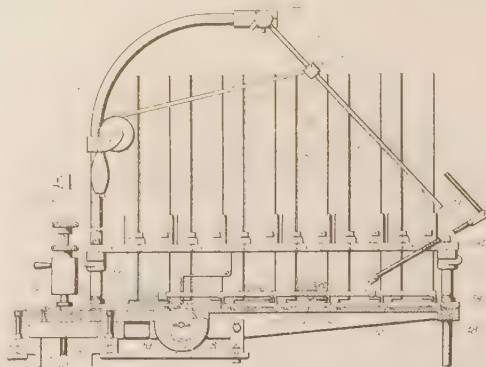


1. An internal combustion engine having a group of cylinders conveying toward a common axis and arranged in pairs; a rotary valve for serving each pair; a crank shaft and pistons connected thereto operating in the cylinders, and a driving means connecting the shaft to said valves for driving them in timed sequence, said means including a counter shaft disposed between the pairs of cylinders, drive means connecting the crank shaft and the counter shaft, and means for operatively connecting the last named shaft and the valves.

1,407,337. HEEL-MAKING MACHINE. RALPH C. SIMMONS, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 28, 1918. Serial No. 219,593. 35 Claims. (Cl. 12-50.)

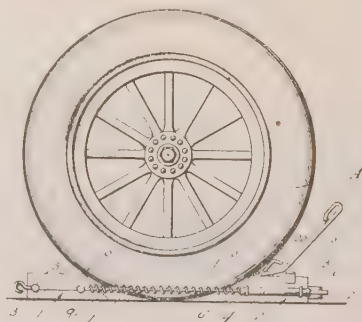
1. In a heel making machine, the combination of a series of lift magazines, a support adjacent to the magazines, means for removing a series of lifts from the

magazines, and depositing them upon the support in spaced relation, means for receiving a heel pile, and



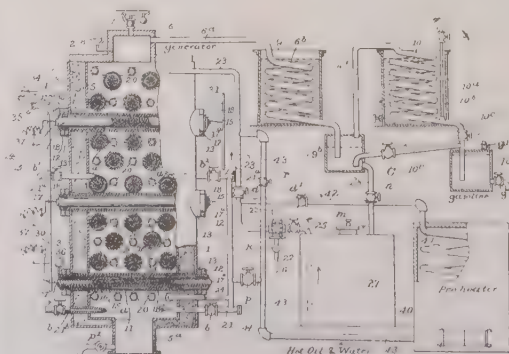
means for advancing said series of lifts along the support in spaced relation and delivering them one upon another to said receiving means.

1,407,338. CHOCK FOR AUTOMOBILE WHEELS. BRUCE E. SKILES, Santa Ana, Calif. Filed July 29, 1920. Serial No. 399,946. 3 Claims. (Cl. 188-32.)



1. A chock including spaced blocks, means for yieldably drawing said blocks toward one another, and a lever arranged to force said blocks away from one another.

1,407,339. APPARATUS FOR CRACKING MINERAL OIL TO PRODUCE GASOLINE. BURHANS VAN STEENBERGH, Goshen, N. Y. Original application filed Apr. 20, 1918, Serial No. 229,707. Divided and this application filed Dec. 16, 1920. Serial No. 431,279. 8 Claims. (Cl. 196-3.)

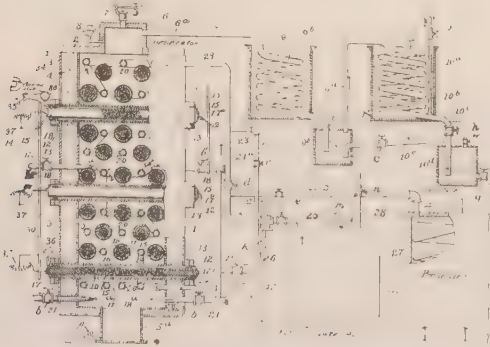


7. In an apparatus for producing gasoline, a generating chamber having nonconducting walls, a vapor escape pipe

at the top and a receptacle at the bottom outside of the heating zone for residual oil, spaced pipes extending through the walls having interior electric heaters and exterior coatings of catalytic material, a pipe for admitting hydrogen at the bottom of the generating chamber, and means for spraying oil on the heater pipes.

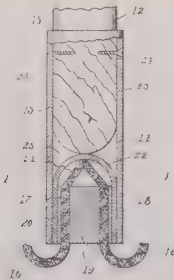
8. Apparatus for producing gasoline, comprising a generating chamber, a plurality of spaced heating surfaces adapted to be heated to a temperature for cracking oil, deflecting pipes between said heating surfaces, means for preheating oil outside of the generating chamber and means for connecting therewith adapted for spraying oil upon said heating surfaces.

1,407,340. PROCESS OF TREATING MINERAL OIL FOR THE PRODUCTION OF GASOLINE. BURHANS VAN STEENBERGH, Goshen, N. Y. Filed Apr. 20, 1918. Serial No. 229,707. Renewed May 20, 1921. Serial No. 471,176. 17 Claims. (Cl. 196—25.)



1. The process of treating mineral oil for the production of gasoline, which consists in spraying an excess quantity of preheated oil in contact with an interiorly heated surface at a temperature to decompose parts of the oil by the first contact into vapors of lower boiling point oil, and to simply vaporize part of said sprayed oil, then repeatedly deflecting the mixed vapors by contact with a succession of spaced and interiorly heated surfaces at a cracking temperature till the desired percentage of the vapor has been decomposed or cracked to lower boiling point oil, whereby the cracked products first obtained will be largely protected from destructive decomposition by the excess vapors which have not been cracked and whereby a minimum of fixed gas will be produced.

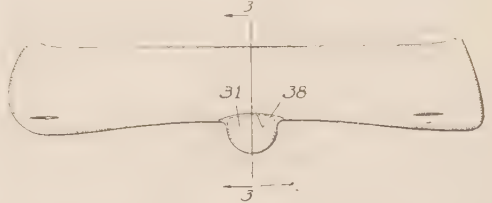
1,407,341. BRUSH OR MOP HOLDER. MAX VEECK, Lafayette, Pa. Filed Apr. 9, 1920. Serial No. 372,578. 4 Claims. (Cl. 306—20.)



1. In a device of the character described the combination with a frame and a handle, of a longitudinally apertured socket having extremities of the frame passing through the apertures and beyond the inner end of the socket, a ferrule enclosing the socket and abutting against the extremities of the frame, securing the same against

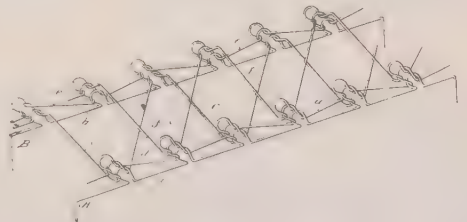
removal from the socket, a convex surface formed at one end of the ferrule, a convex surface at one end of the handle and in rolling contact with the convex surface of the ferrule and a flexible sleeve encircling the ferrule and the handle, at and in juxtaposition to the said convex surfaces.

1,407,342. COLLAR. HENRY J. VIGNEAULT, Worcester, Mass., assignor of one-half to George N. Vigneault, Worcester, Mass. Filed Dec. 29, 1920. Serial No. 433,761. 2 Claims. (Cl. 2—67.)



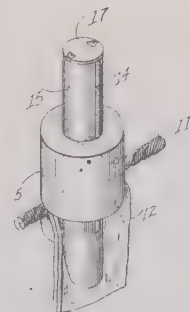
1. As an article of manufacture, a soft collar having an upward projection at the bottom of the collar band for attachment to a shirt having a piece of cloth sewed to it around the edge with its selvage along the bottom of the collar and free therefrom to constitute a pocket, and a stiffening piece removably located in the pocket.

1,407,343. KNITTED FABRIC. FREDERICK P. WALTER, Oswego, N. Y., assignor of one-third to Frederic Conde and one-third to Frederick A. Schentzow, Oswego, N. Y. Filed July 24, 1920. Serial No. 398,838. 3 Claims. (Cl. 66—4.)



1. A knitted fabric composed of two webs containin independent opposed flat knit courses, a cross knit cours connecting the loops in certain of the wales in the fla knit courses, other independent opposed flat knit courses engaging the loops in each wale, and a cross knit course connecting the loops in the remaining wales in the flat knit courses.

1,407,344. CLOTHESPIN. EARL WEST, Oakland, Calif. Filed Mar. 28, 1921. Serial No. 456,054. 1 Claim. (Cl. 24—138.)



A clothes pin comprising a tubular body terminating in an extension having a beveled upper surface, a tapered

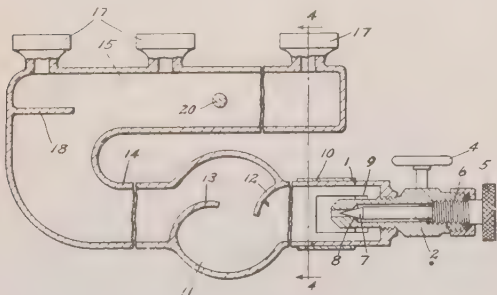
slotted pin slidably mounted in said body for longitudinal movement therein, said pin being adapted to wedge an article resting on a clothes line between the tapered surface of the pin and the beveled surface of said body, a cross pin positioned in said body and entering the slotted portion of said tapered pin to prevent accidental displacement of the same from said body, and means positioned on the rear of said tapered pin to prevent its extraction from said body.

1,407,345. LUMINOUS SIGN AND NUMBER. AUGUST F. WIRSCHING and ROBERT A. WIRSCHING, Los Angeles, Calif. Filed July 29, 1920. Serial No. 399,943. 2 Claims. (Cl. 40-141.)



1. As a new article of manufacture, a luminous sign character comprising a body conforming to the contour of said sign character composed of glass in which is formed a channel that is substantially V-shaped in cross section, portions of said body to the sides of said channel being extended outwardly to form flat-faced marginal flanges and the angular faces within the V-shaped channel being coated with luminous substance.

1,407,346. GAS AND AIR MIXER. WILLIAM H. CAIN, Los Angeles, Calif. Filed Apr. 28, 1921. Serial No. 465,118. 2 Claims. (Cl. 158-104.)

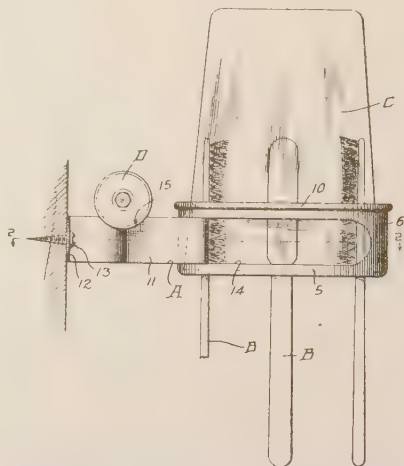


2. A gas and air mixer comprising a straight conduit portion with lateral air openings and adapted to receive a gas nozzle at its front end at right angles to the air openings, there being an enlarged upwardly and downwardly curved chamber portion at the rear end of the straight portion, a baffle extending downwardly into the front part of the chamber, a second baffle extending upwardly and forwardly into the rear part of the chamber, a reversely bent portion extending from the back side of the chamber portion, a horizontal baffle extending forwardly above the bend, there being burner outlets above the baffle, and rods crosswise below the burner outlets.

1,407,347. COMBINED TUMBLER, TOOTHBRUSH, AND TUBE-PASTE HOLDER. CHARLES H. DEMPEWOLF, Oswego, N. Y. Filed Sept. 19, 1921. Serial No. 501,593. 3 Claims. (Cl. 248-63.)

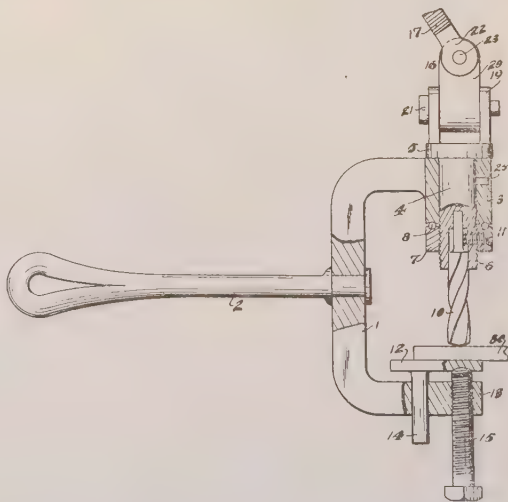
1. A toilet article holder comprising an open body including an annular tumbler supporting flange and an annular right angularly disposed tumbler guard flange, the supporting flange having a plurality of tooth brush receiving slots formed therein extending inwardly from

the inner edge of the supporting flange and terminating adjacent to the guard flange and forming drain openings



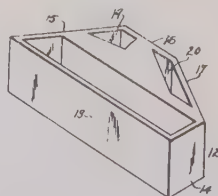
for water from said tumbler, and outwardly extending supporting arms struck out from said guard flange.

1,407,348. DRILL. OTTO F. HEER, Ontario, Calif., assignor of one-half to Frank Van Pelt, Ontario, Calif. Filed Mar. 30, 1920. Serial No. 369,905. 2 Claims. (Cl. 77-7.)



1. A drill comprising a frame, a bit journaled therein, a jaw arranged for free sliding movement in the frame for holding work to the bit, and a bolt threaded through said frame and abutting against the under side of said jaw to cause the latter to press the work against the bit.

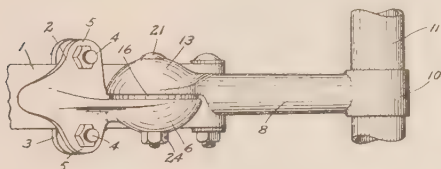
1,407,349. HOLLOW WALL CONSTRUCTION. ARTHUR F. LEVITT, Los Angeles, Calif. Filed Jan. 2, 1920. Serial No. 348,972. 4 Claims. (Cl. 72-41.)



1. A key block adapted to fill the irregular space between the adjacent blocks of a course at the corner of a

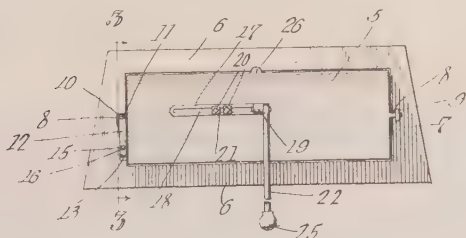
wall structure of the character described, said key block comprising a polygonal body formed with substantially flat parallel top and bottom faces, an elongated outer side face, a relatively short inner side face that is disposed substantially parallel with said elongated outer side face, an end face disposed substantially at right angles to the parallel side faces, an inclined face between said end face and the relatively short inner side face and an inclined end face between the opposite ends of the substantially parallel side faces.

- 1,407,350. BUMPER BRACKET. WALTER P. LIMACHER, Pasadena, Calif. Filed June 20, 1921. Serial No. 479,067. 10 Claims. (Cl. 293-55.)



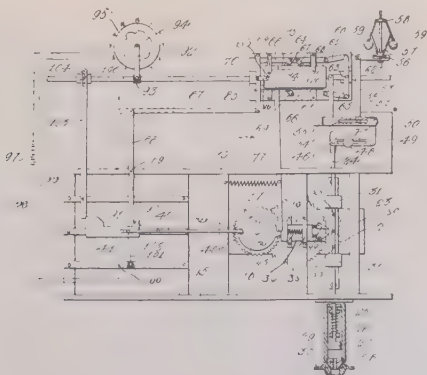
1. A bumper bracket comprising a support, a bumper supporting arm, and a universal joint connection between said arm and support.

- 1,407,351. FIREPLACE DAMPER. SAMUEL F. MYERS, Los Angeles, Calif. Filed Aug. 18, 1921. Serial No. 493,377. 4 Claims. (Cl. 126-288.)



1. In a damper construction, a frame, a damper supported within the frame, a relatively long bracket member adjustably connected to the damper, and an operating lever having connection with the bracket member.

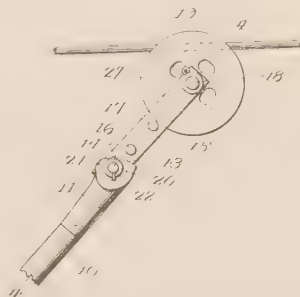
- 1,407,352. HORSEPOWER CALCULATOR AND RECORDER. JOSEPH N. G. NESBIT, Atlanta, Ga. Filed Feb. 17, 1915, Serial No. 8,784. Renewed Dec. 17, 1921. Serial No. 523,244. 23 Claims. (Cl. 234-21.)



1. Means, in combination with an indicator-piston rod for prime movers, adapted to multiply movement of said

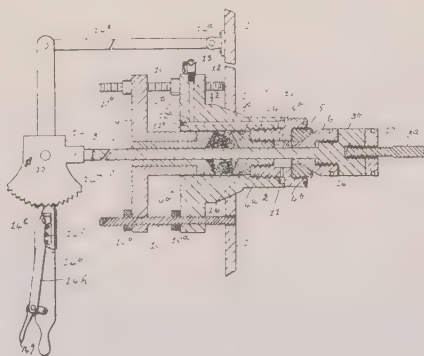
piston rod by the engine constant and the number of revolutions per minute of said prime mover, in mechanically determining the horse-power of said prime mover, and pawl and rack means for the addition or subtraction of the complete strokes of said piston.

- 1,407,353. TROLLEY. LOUIS T. OUTHIER, Eureka, Calif. Filed June 4, 1921. Serial No. 475,056. 1 Claim. (Cl. 191-60.3.)



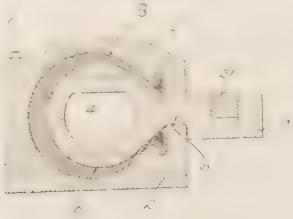
A trolley device including a head having a socket therein, a shaft disposed transversely in the socket, a frame mounted for rocking movement on the shaft and supporting a trolley wheel, the frame including a transverse brace, a spring coiled about the shaft and having its ends secured to the said brace, the intermediate portion of the spring being secured to the shaft, the sides of the head having bosses surrounding the adjacent ends of the shaft and formed with radial recesses, and pins removably disposed through the ends of the shaft and in the recesses for retaining the spring under tension.

- 1,407,354. PACKING BOX FOR THROTTLE-VALVE STEMS. RICHARD A. SJOQUIST, Hibbing, Minn. Filed Aug. 20, 1918. Serial No. 250,632. 1 Claim. (Cl. 286-36.)



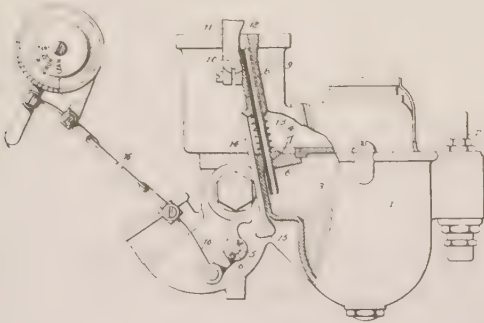
The combination with one wall of a fluid pressure container, of a stationary packing box extending through said wall, a throttle valve stem extending through said box into said container, said box being provided at its forward end with a valve seat, a valve upon said stem within said container, said valve being adapted to be retracted by said stem to said seat when said throttle is opened to its full extent, said packing box containing a chamber for packing, said box containing a scale trapping chamber between the forward end of said packing chamber and the rearward end of said seat, said trapping chamber being positioned forward of any point of contact between said stem and said box, said box having a blow-out port formed therein extending from said packing chamber to the outer end of said packing box, and means for normally closing said port.

1,407,355. METHOD OF VULCANIZING, AND CORE FOR TIRE MOLDS. VARNEY K. STURGES, Oakland, Calif. Filed Sept. 20, 1920. Serial No. 411,426. 11 Claims. (Cl. 18—45.)



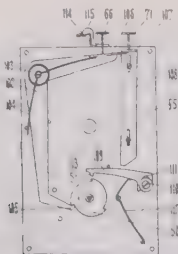
6. A core for tire casings comprising intermediate segments, means extending inwardly from said segments for holding them in alignment to form a ring having flat sides and an arcuate outer surface, and cheek plates adapted to seat loosely on said flat sides, and having an outer surface adapted to complete the contour of the core.

1,407,356. CARBURETOR PRIMER. JOHN W. SWAN, Stamford, Conn. Filed Sept. 15, 1919. Serial No. 323,871. 14 Claims. (Cl. 123—180.)



1. In a carburetor, the combination with a fuel chamber, of a mixing chamber having a throttle valve, a fuel passage communicating with said mixing chamber above the throttle valve, a valve controlling the supply from the fuel chamber to the mixing chamber, a priming tube leading from the fuel chamber to the fuel passage above the throttle valve, and a single means for controlling the passage of fuel through the priming tube and the fuel supply to the mixing chamber.

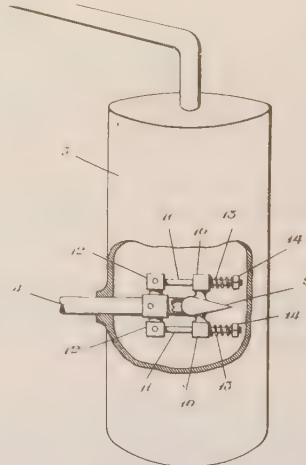
1,407,357. PHOTOGRAPHIC AND CINEMATOGRAPHIC APPARATUS. GIUSEPPE GIOVANNI BATTISTA TARTARA, Turin, Italy. Filed Dec. 29, 1919. Serial No. 347,896. 5 Claims. (Cl. 158—85.)



1. A controlling device for spring motors comprising a member driven by the motor, a plurality of engaging means provided on said member around its centre and spaced to a constant angular distance from each other, a

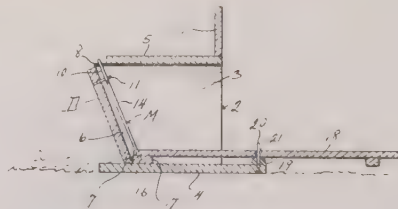
locking part normally in engagement with one of said engaging means, a hand operated member for releasing said part from said engaging means, a stopping part adapted to engage said engaging means, means for keeping this stopping part released from said engaging means and a second hand operated member cooperating with said locking and stopping parts for releasing said locking part from said engaging means and for carrying said stopping part across the path of said engaging means.

1,407,358. VALVE. THOMAS W. THAXTON, Muncie, Ind., assignor of one-half to Casper L. Bacon, Muncie, Ind. Filed Apr. 19, 1920. Serial No. 375,118. 1 Claim. (Cl. 251—145.)



A valve construction comprising a pipe having a valve seat at the end thereof, guide rods carried by said pipe and projecting beyond said end thereof, a cross head slidable on said rods, a valve carried by said cross head and having a rounded portion to bear against said seat, adjustable members on said rods at that side of the cross head opposite to the pipe, and expansion springs on said rods between said members and cross head and capable of individual adjustment in tension by the adjustment of said members.

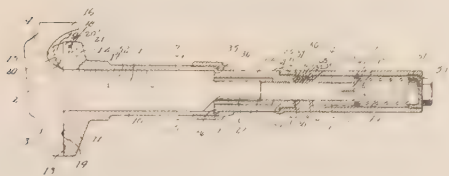
1,407,359. DROP DOOR. CHARLES E. THOMAS, El Paso Gap, N. Mex. Filed Mar. 12, 1921. Serial No. 451,724. 1 Claim. (Cl. 119—22.)



In combination with a drop door supported at its lower portion for swinging movement in a vertical direction, a horizontally disposed strip supported in a position substantially above the door when raised, said strip being provided with end openings and an intermediate opening, a member overlying the strip, said member being substantially U-shaped in form with its side arms extending downwardly through the end openings in the strip, a latch depending from the central part of the member and disposed through the intermediate opening in the strip, a member carried by the door with which the latch engages when the door is raised to hold the door against downward movement, and a tilting platform with which the arms of the first named member are engaged whereby

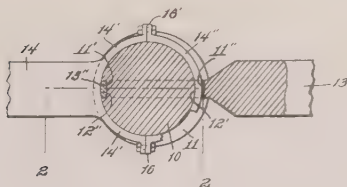
movement of the platform in one direction imparts movement to the member in a direction to disengage the latch carried by the member from the door to permit said door to drop by gravity.

1,407,360. WRENCH. JOHN J. THOMAS, Balfour, N. D.
• Filed Apr. 30, 1921. Serial No. 465,734. 5 Claims. (Cl. 81—156.)



3. A wrench comprising a shank formed to provide a jaw at one end and being threaded adjacent to its other end to provide a screw, a sleeve slidable on the shank and formed at one end to provide a jaw adapted to cooperate with the first named jaw, a thimble rotatably mounted on the shank and abutting the sleeve, said thimble being formed with a plurality of sockets in its end wall contiguous to the sleeve, and a spring-pressed ball member carried by said sleeve and adapted to engage said sockets selectively to releasably lock the thimble against rotation relative to the sleeve, said thimble being formed with an inwardly extending offset portion threaded interiorly to engage the screw.

1,407,361. UNIVERSAL JOINT. FRED W. TOAN, Bowling Green, Ohio. Filed Sept. 29, 1920. Serial No. 413,467. 1 Claim. (Cl. 64—102.)

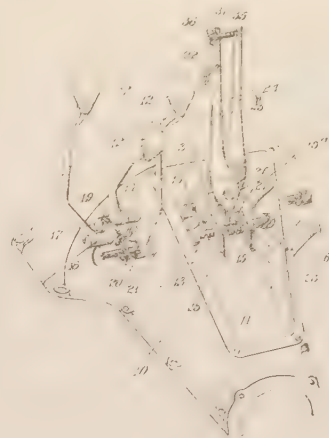


A universal joint comprising, in combination, a spherical body having annular grooves therein one at right angles to the other, said grooves being eccentrically disposed upon the said body, the shallowest and the deepest portions of said grooves intersecting each other at diametrically opposite points on said body, shaft sections, yoke members removably carried by said sections and engaged and snugly fitting in said grooves, said yoke members entirely surrounding and filling their respective grooves, the thickness of said yoke sections being substantially equal to the depth of the shallowest parts of said grooves.

1,407,362. PLIERS AND LOCKING LUG FOR REPLACING TRANSMISSION COVERS ON FORD CARS. LOUIS ULLMAN, New York, N. Y. Filed Jan. 18, 1921. Serial No. 438,123. 8 Claims. (Cl. 29—87.1.)

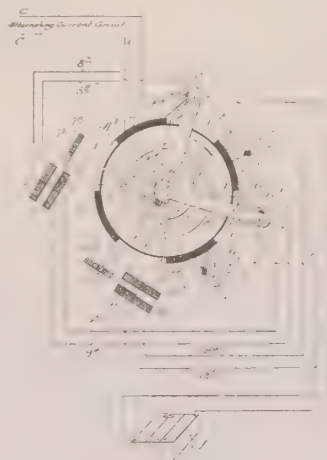
1. In combination with a spring compression tool adapted to embrace the springs carried by the pedal spindles of a transmission case, of a flexible member having one end

attachably secured to said tool, and a locking member attachably secured to the opposite end of said flexible mem-



ber and provided to engage said pedal spindles, whereby the latter may be locked against movement.

1,407,363. RECTIFIER. RUSSELL T. WALKER, Chicago, Ill. Filed June 28, 1920. Serial No. 392,405. 12 Claims. (Cl. 175—364.)

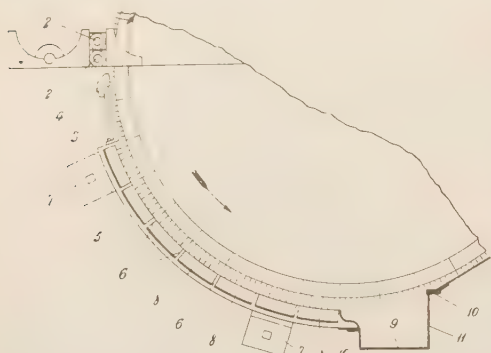


1. In a rectifier, the combination of a commutator provided with alternate conducting and insulating segments of such width that the period of a conducting segment and insulating segment corresponds substantially with the period of one half cycle of the alternating current, means for energizing each conducting segment alternately positively and negatively, a variable-span pair of positive brushes and a variable-span pair of negative brushes, and means for automatically adjusting the members of the variable-span pairs of brushes to vary their span and thus vary the collecting periods to correspond with a change of the neutral pressure point in the system.

1,407,364. FIBER-TREATING MACHINE. HENRY HIRST WALLER, Harrogate, England. Filed Feb. 6, 1920. Serial No. 356,781. 2 Claims. (Cl. 19—9.) (Granted under the provisions of the act of Mar. 3, 1921. 41 Stat. L., 1313.)

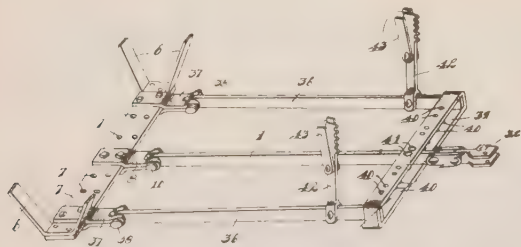
1. In an opening machine, a revoluble toothed cylinder, feed mechanism for supplying material to be treated, a

stationary segment arranged below the feed mechanism and provided with ribs, and toothed lags arranged between



the said ribs and co-acting with the said cylinder to treat the material fed between them and the cylinder.

1,407,365. TRACTOR HITCH. LEWIS S. WRIGHT, Peoria, Ill. Filed Sept. 4, 1917. Serial No. 189,588. 2 Claims. (Cl. 213—67.)



1. The combination with a tractor frame of depending brackets thereon; a cross bar secured to said brackets; a bracket adjustably secured to said cross bar; a traction bar pivotally connected at its forward end to said adjustable bracket; side bars pivotally connected at their forward ends to said cross bar in axial alignment with the traction bar pivot; a loop connected to the rear ends of said side bars and embracing said traction bar, said loop being provided with pairs of bolt holes; and bolts arranged to be passed through said bolt holes on opposite sides of said traction bar, substantially as described.

1,407,366. PROCESS FOR REENFORCING THIN METAL. EDWARD M. ATKINSON, Portland, Oreg. Filed Aug. 3, 1920. Serial No. 400,963. 2 Claims. (Cl. 113—112.)

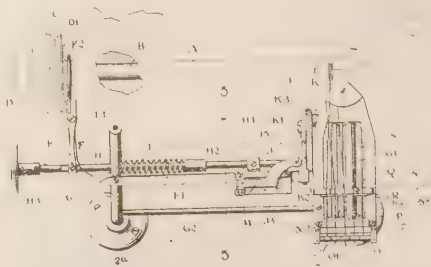


1. The process of reenforcing sheet metal including the connecting of wires to the sheet metal, said wires having alternate portions conforming to the surface of the sheet and V-shaped portions disposed at right angles to the portions secured to the sheet as and for the purpose set forth.

1,407,367. STOP MOTION FOR SEWING MACHINES. JAMES G. BAILEY, Knoxville, Tenn. Filed Feb. 25, 1921. Serial No. 447,645. 46 Claims. (Cl. 112—219.)

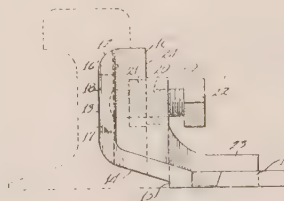
1. In a sewing machine and in combination with the clutch thereof, an endwise slidable rod, a spring tending to

slide said rod endwise in one direction, a latch mechanism applied to said rod between its ends and comprising movable members and a stationary member adapted to make



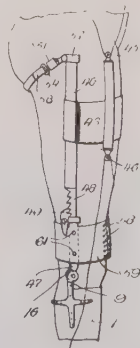
engagement with an obstruction or enlargement on the thread whereby the thread is shortened between the needle and said stationary member to actuate said movable members, substantially as described.

1,407,368. ADJUSTABLE RAIL BRACE. JOHN L. BEIL, Galena, Ill. Filed June 7, 1921. Serial No. 475,682. 1 Claim. (Cl. 238—336.)



A device of the character described comprising a body portion having an integral base adapted to be secured to a rail support to clamp the body portion securely against the proximate side of a rail, said body portion being formed with a vertical opening therethrough intersected immediately by a horizontal opening, adjusting means disposed in the horizontal opening and contacting the rail, and means disposed in the vertical opening and engaging the adjusting means to permit axial movement of the latter to urge the rail away from the body portion and to maintain the adjusting means in adjusted position relative to the body portion.

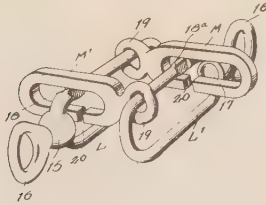
1,407,369. ARTIFICIAL LEG. ANDRÉ BEURDELEY, Paris, France. Filed July 19, 1920. Serial No. 397,364. 6 Claims. (Cl. 3—2.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. An artificial leg, embodying a thigh portion, a lower leg portion and a foot portion, said thigh portion comprising a pair of complementary uprights hinged to the lower

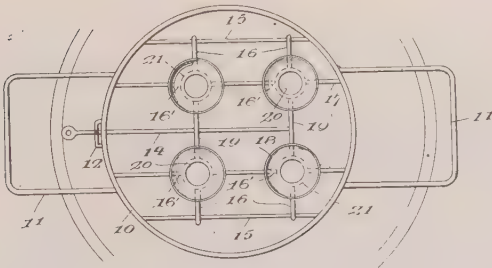
leg portion and provided with a flexible and adjustable seat for supporting the hip bone of the wearer, said seat consisting of an oscillating band having its ends pivoted to the upper ends of said uprights and means for adjusting the height of said band.

1,407,370. CABLE COUPLING. JOHN WILLIAM HARVEY BLEE and ARTHUR PERRY POWELL, Harrison, Idaho. Filed Feb. 7, 1921. Serial No. 443,297. 3 Claims. (Cl. 24—123.)



2. A coupling comprising, companion coupling members each including a connecting link and a coupling link slidably and permanently connected to the connecting link, each of said coupling links being split to provide a gap, and each of said connecting links being formed with a relatively thick portion which may be passed through said gap to permit of the association of the coupling link of one member with the connecting link of the other member.

1,407,371. EGG SEPARATOR. SARAH E. BRADDOCK, Brooklyn, N. Y. Filed Sept. 14, 1921. Serial No. 500,627. 1 Claim. (Cl. 65—12.)

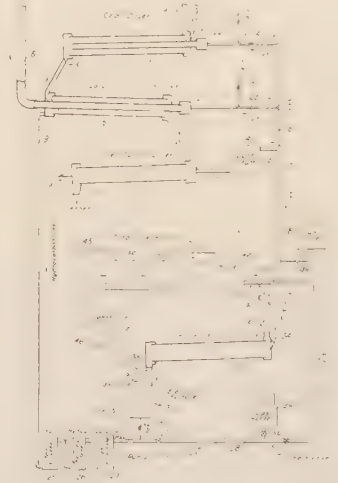


An egg separator comprising a ring, oppositely extending bowl engaging loops on the ring, depending yolks on the ring, a stationary frame carried by the ring, a plurality of egg receiving cups carried by the stationary frame and each having an opening in its lower end, a slidable frame mounted on the depending yolks, beneath the cups, a rod for moving the slidable frame, and smaller cups carried by the slidable frame for positioning beneath the first-named cups to receive the yolks from eggs broken into the first cups, and movement from beneath the first cups to permit the whites of the eggs to fall into a receptacle, while the yolks remain in the smaller cups.

1,407,372. REDUCTION OF ORES. WALTER E. F. BRADLEY, New York, N. Y. Filed Aug. 10, 1918. Serial No. 249,352. 4 Claims. (Cl. 75—17.)

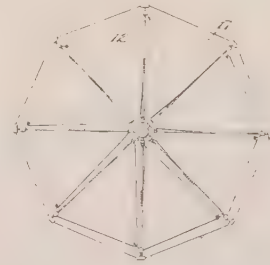
1. The method of reducing ores, which comprises discharging a hydrocarbon gas from coal, utilizing the hydro-

carbon gas as a reducing agent for the ore, and utilizing the resulting coke, out of contact with the ore, as a



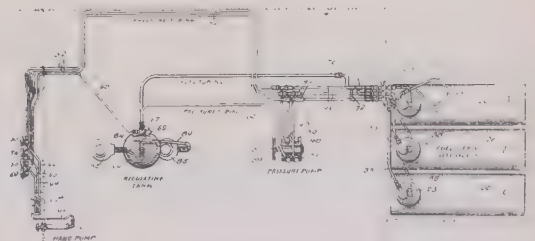
source of heat for maintaining the temperature of the ore during reduction.

1,407,373. WINDMILL. PARK V. BRYMER, Jersey City, N. J. Filed Feb. 26, 1921. Serial No. 448,043. 6 Claims. (Cl. 170—2.)



1. A wind motor comprising a hub, a plurality of arms radiating from said hub, triangular sails between the adjacent arms and pivotally mounted upon one arm, and yielding means permitting said sails to swing independently laterally in either direction but normally maintaining said sails in alignment.

1,407,374. FUEL PRESSURE-FEED SYSTEM. LAWRENCE R. BUCKENDALE, U. S. Army, assignor to Newton D. Baker, Secretary of War, trustee. Filed Oct. 14, 1919. Serial No. 330,673. 8 Claims. (Cl. 158—36.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A fuel feed for internal combustion engines consisting of a fuel supply reservoir, a fuel regulator tank, an

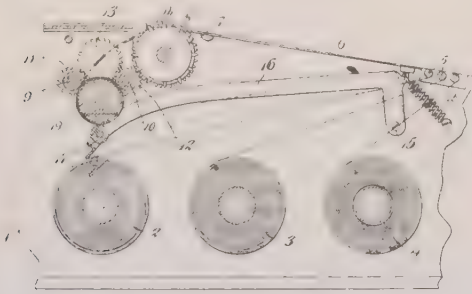
air pump adapted to force the fuel from the reservoir to the regulator, and means for simultaneously cutting off the inlet of air to and outlet of fuel from the reservoir.

1,407,375. SHIP-CENTERING DEVICE. RALPH N. BURBANK, Somerset, Mass. Filed Nov. 30, 1920. Serial No. 427,337. 4 Claims. (Cl. 61—67.)



1. In a ship centering device, I-beams that extend laterally from keel blocks maintained upon a cradle, a pair of upstanding vessel engaging elements of such height that they may engage with the sides of a vessel above the bilge thereof said vessel engaging elements being movable upon the I-beams and comprising frames having base portions with wheels for engagement with the I-beams, a flexible connection secured at its opposite ends to opposite vessel engaging frames, means for guiding and means for moving the said flexible connections to effect movement of the vessel engaging frames simultaneously toward or away from each other.

1,407,376. RECORDING AUTOGRAPHIC REGISTER. CLARENCE RICHARD BUSCHMEYER, Dayton, Ohio, assignor to The Standard Register Company, Dayton, Ohio, a Corporation of Ohio. Filed Oct. 10, 1917. Serial No. 195,729. 3 Claims. (Cl. 242—66.)

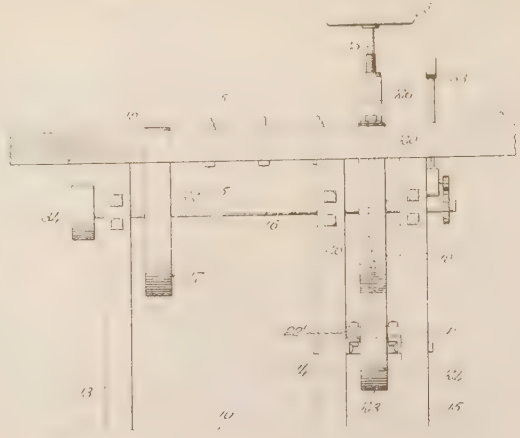


3. In an autographic register, the combination with a duplicate strip feed of a paper receiving roll, a pair of rolls in contact with the paper receiving roll, and means for positively operating said pair of rolls, a yoke mounted in said machine and having an idler roll, said yoke being spring-pressed toward the pair of rolls, to confine the paper receiving roll between its idler roll and said pair of rolls.

1,407,377. APPARATUS FOR TESTING MOTOR VEHICLES. DAVID BUTLER, Montezuma, N. Y. Filed Apr. 8, 1920. Serial No. 372,153. 4 Claims. (Cl. 73—51.)

1. In a motor vehicle testing apparatus, the combination of a support, a shaft rotatably mounted on said support, a pair of members fixed on said shaft with which the drive wheels of a motor vehicle are adapted to be peripherally engaged, a frame pivoted to the support for movement in the plane of one of the members on the

shaft, a pressure wheel rotatably mounted on the frame and adapted to be forced into peripheral engagement with one of the members on the shaft by pivotal movement of



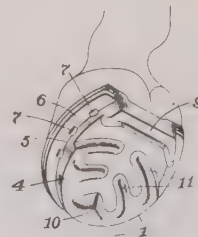
said frame, and means for pivoting said frame to force the pressure wheel into peripheral engagement with the related member on the shaft.

1,407,378. TOWROPE. GEORGE H. CALLAGHAN and JAMES L. CALLAGHAN, Minneapolis, Minn., assignors of three-fourths to Thomas H. Glazebrook, Minneapolis, Minn., and one-fourth to said James L. Callaghan. Filed Feb. 25, 1921. Serial No. 447,771. 2 Claims. (Cl. 28—2.)



1. A wire reinforced rope consisting of a multiplicity of fibre strands, each strand having a reinforcing wire therein, the wire and the threads of the strands being twisted together and the several strands being twisted together to form the body of the rope, the ends of said wires being turned back and terminated in the body of the rope, remote from the ends thereof.

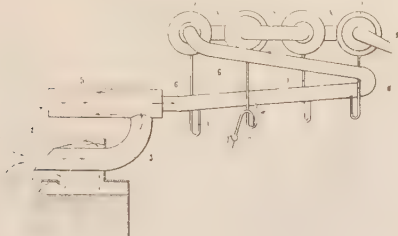
1,407,379. HORSESHOE PAD. HARRY S. CARYL, Scranton, Pa., assignor of one-half to Louis B. Landau, Scranton, Pa. Filed Dec. 16, 1919, Serial No. 345,296. Renewed Jan. 17, 1922. Serial No. 529,998. 2 Claims. (Cl. 168—28.)



1. A resilient horseshoe pad comprising an upper or web portion having a concavity therein and a tread portion having a groove for the reception of a metal shoe, a wearing surface partially covering the shoe, and a further raised wearing surface being less in raised height than the depth of the concavity in the web portion.

1,407,380. FRACTIONAL-DISTILLING APPARATUS.

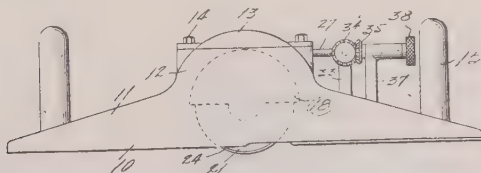
EMILE ANDRÉ RAYMOND CHENARD, Cognac, Charente, France; Jean Chenard, nicknamed Armand, executor of said Emile André Raymond Chenard, deceased. Filed Aug. 18, 1919. Serial No. 318,349. 5 Claims. (Cl. 196-5.)



1. In a fractional-distillation apparatus, the combination of a boiler; and an ascending series of conduits communicating with one another in zig-zag relation, and through which the vapors rising from the boiler tend to travel in an upward direction, while the condensates obtained from said vapors tend to flow in the opposite direction by gravity back to the boiler; at least one of the conduits having its inlet portion disposed in spaced relation within the next lower conduit and terminating adjacent the rear end thereof, so that the vapors passing through said lower conduit will be caused to circulate around the said inner portion of the higher conduit in the same direction as the flow of the condensates and thereby gradually reheat the latter conduit.

2. In a fractional-distillation apparatus, the combination, with a boiler and a piping system leading therefrom; of a series of elongated, intercommunicating horizontal units, to one of which the vapors from the boiler are conveyed by said piping, each unit comprising a pair of hollow cones arranged base to base with their axes horizontal and through which the vapors circulate, whereby they are caused to work against the external pressure while gradually losing their velocity; each of said units being provided adjacent its outlet end with an internal filtering device which is disposed in the path of the vapors and which presents relatively large contact surfaces whereupon the liquid particles carried by the vapors are deposited.

1,407,381. SURFACE-TREATING TOOL. ALEX. A. CLARKE, Dallas, Tex. Filed Nov. 23, 1920. Serial No. 426,098. 1 Claim. (Cl. 51-170.)

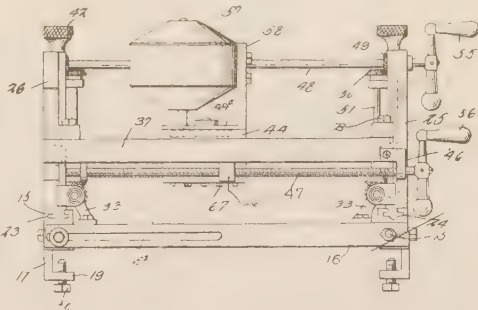


In a surface treating tool, an elongated frame having a lower face adapted to slidably contact with the surface to be treated and to be manually shifted over such surface, handles arranged above the frame and secured to the ends thereof, a transverse housing formed upon the central portion of the frame, said frame being provided beneath the housing with a transverse opening, trunnions secured to the housing at its ends and projecting inwardly, a cradle having openings in its ends to pivotally receive said trunnions, the ends of the cradle extending downwardly below the trunnions, a rotatable surface treating drum connected with the lower portions of the ends of the cradle at points beneath said trunnions, a worm segment rigidly secured to the cradle and arranged between one end thereof and the end of the housing, a shaft extending longitudinally of the frame and arranged between the end of the cradle and the end of said housing and having a worm engaging the worm seg-

ment, an element arranged adjacent one handle to be manually operated, and operating means between the element and the shaft.

1,407,382. BLOCK-PLANING MACHINE. JOSEPH A. COURVILLE, Marlboro, Mass. Filed June 14, 1920.

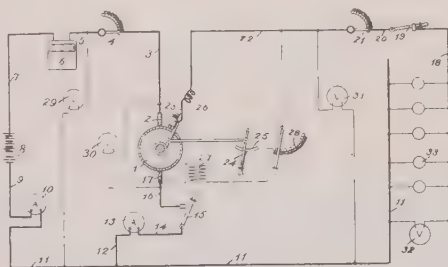
Serial No. 388,990. 6 Claims. (Cl. 144-2.)



1. In a planing machine, a frame comprising sills and connecting bars for the sills adjustably held whereby the sills are movable with relation to each other, a standard slidable on each sill, said standard having dovetail guides with recessed faces, blocks slidable on the said guides and having nuts on their inner faces movable in the recesses of the standards, screws rotatably mounted in the standards and extending through the recesses thereof in engagement with the nuts of the blocks whereby the blocks are moved vertically, rails connected to the said blocks, a body slidable on the said rails, means for moving the said body on the said rails, means for moving the standards longitudinally of the sills, a shaft rotatably mounted vertically in the body, a motor driven means for rotating the shaft, and a cutter head carried by the lower end of the said shaft.

1,407,383. METHOD OF OPERATING STORAGE BATTERIES, ETC. JOHN L. CREVELING, Auburn, N. Y.

Filed July 13, 1915, Serial No. 39,614. Renewed July 15, 1921. Serial No. 485,021. 5 Claims. (Cl. 171-313.)



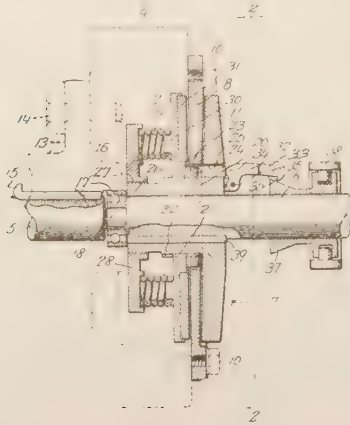
2. The method of utilizing a storage battery and translating devices in co-operation with a source of electrical potential difference tending to vary, comprehending supplying current to the battery and to the translating devices from said source at different values of electrical potential difference, compensating for tendencies in said source to vary and lowering the electrical potential difference at said source when desired to cease charging the battery.

1,407,384. CLUTCH. JOHN W. CROWLEY, Jr., Chicago, Ill. Filed Nov. 15, 1919. Serial No. 338,163. 5 Claims.

(Cl. 192-56.)

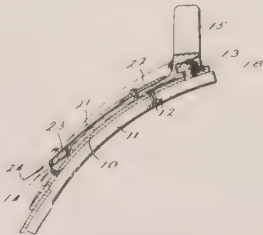
1. A clutch having in combinative association two axially movable rotatable members, one of which has an engaging surface in a plane less than ninety degrees from

its axis of rotation; an intermediate clutch member having a similar cooperating inclined surface; a spring to normally hold the members in frictional engagement and



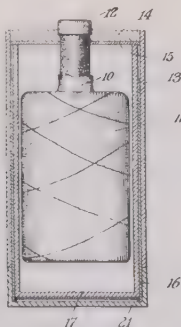
means to separate the members and move them out of engagement with the intermediate member against the resistance of the spring.

1,407,385. TRANSMISSION BAND. LEONIDAS FRANKLIN CRUMLEY, La Follette, Tenn. Filed Apr. 20, 1921. Serial No. 462,847. 5 Claims. (Cl. 188-249.)



5. A transmission band having lengthwise spaced lugs, a lug having stud receiving openings and shiftable in the direction of the length of the band to project the studs thereof into the openings, a locking stud for movement into one of the openings in engagement with one of the studs to prevent lengthwise movement of the lug, and a spring secured to the lug and carrying the said locking stud with which the latter is yieldable into and out of active position.

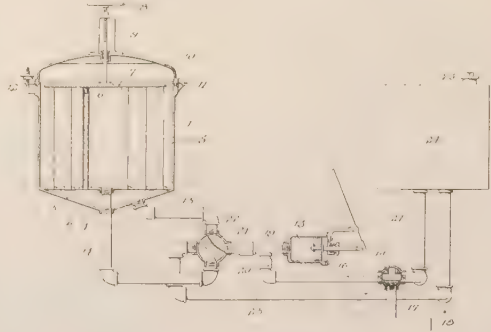
1,407,386. DRY CELL. HENRY ROSENDALE DAM, Brooklyn, N. Y., assignor to Interstate Electric Novelty Company, Brooklyn, N. Y., a Corporation of New York. Filed June 21, 1920. Serial No. 390,306. 5 Claims. (Cl. 204-38.)



1. A dry cell comprising a telescoping covering member, an electrode, a telescoping electrode surrounding the

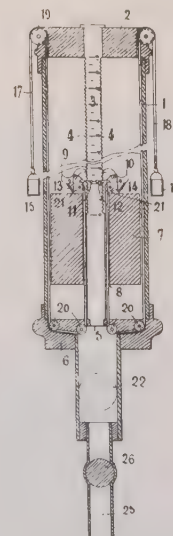
first named electrode and adapted to slide within said covering member, and a spacing element located within said telescoping electrode and having its opposite ends contacting with said telescoping covering and with said telescoping electrode to retain the telescoping electrode in an extended relation with respect to said telescoping covering.

1,407,387. APPARATUS FOR DYEING. WADE H. DAVIS, Walnut Cove, N. C. Filed Jan. 3, 1919. Serial No. 269,546. 2 Claims. (Cl. 8-18.)



1. In an apparatus for treating yarns and the like with a liquid, a container having an open top, a plurality of yarn holders arranged in parallel relation extending toward said top, said yarn holders being adapted to permit liquid to enter them and to issue therefrom throughout their lengths, a cover for said container, a follower plate having an under surface of an area sufficient to cover the tops of said holders, a threaded rod swivelled to said follower plate and projecting through said cover, a threaded member carried by said cover through which said threaded rod extends, means whereby said threaded rod may be rotated, and means for clamping the cover fluid tight upon the container.

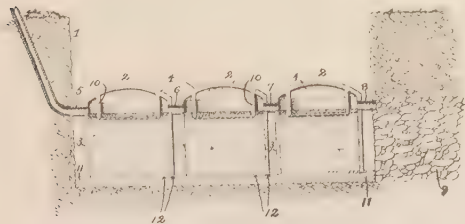
1,407,388. SELF-ACTING GAUGE. RENÉ DÉDET, Lamentin, Guadeloupe, France. Filed May 8, 1918. Serial No. 233,363. 1 Claim. (Cl. 73-82.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat L. 1313.)



In a gauge of the class described, a vessel having means to supply liquid thereto from the bottom thereof, and to also draw liquid therefrom, a vertical member extending through said vessel and provided with teeth, a float arranged for vertical movement in said vessel, pawls

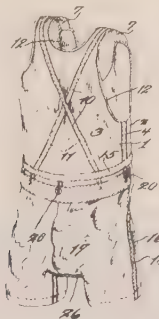
mounted on said float, counterpoising members, and cords connecting said counterpoising members to said pawls to disengage the latter from the teeth of said vertical member.

- 1,407,389. SEPTIC TANK. WILLIAM DE LHORBE, Oregon, Ill. Filed Feb. 9, 1921. Serial No. 443,610. 2 Claims. (Cl. 210-6.)



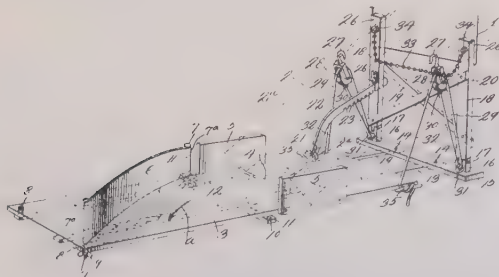
1. A septic tank comprising a cylindrical body having an integral convex head and an open bottom, said body provided near said head with inlet and outlet apertures, and said head provided with curved, depending, integral partitions over said inlet and outlet apertures and integrally connected also to the body.

- 1,407,390. UNDERGARMENT. MARGARET DONALDSON, Paris, Ky. Filed Sept. 27, 1920. Serial No. 412,945. 2 Claims. (Cl. 2-144.)



1. In a garment as set forth, a body section, a section for the reception of the legs, the leg receiving section comprising front and back pieces provided with angular crotch portions, the transverse edge of the crotch portion of the front piece being arcuately shaped, the transverse edge of the crotch portion of the back piece being straight, said crotch portions being connected, the construction and arrangement of the transverse edges of both crotch portions being such as to cause the front piece to bulge forwardly from the body.

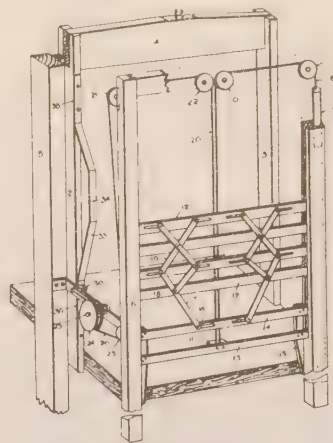
- 1,407,391. COAL-CHUTE ATTACHMENT. HENRY ED DOWNER, Princeton, Ill. Filed Sept. 9, 1921. Serial No. 499,511. 4 Claims. (Cl. 193-44.)



1. The combination with a coal chute, of a horizontally disposed platform attached to the coal chute adjacent its discharge end, a segmentally shaped horizontally disposed

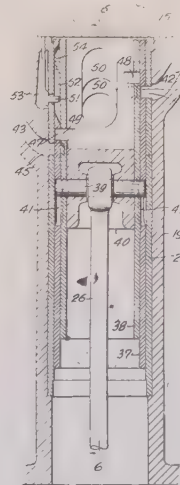
plate carried by the platform forwardly of the chute and detachably connected thereto, said detachable means allowing said segmentally shaped plate to be detached from the platform and positioned diagonally on the platform in front of the discharge end of the chute.

- 1,407,392. MEANS FOR OPERATING ELEVATOR GATES. GAUDIOSE PIERRE ALEXANDRE PRIME JOSEPH DROLET, Quebec, Quebec, Canada. Filed Jan. 17, 1920. Serial No. 352,237. 1 Claim. (Cl. 187-58.)



In means for operating elevator gates, a cable and pulleys, a gate suspended therefrom, a flange bar adapted to be secured through the end flanges to the gate post and main guide beam and having adjacent to the one end a boss for a pivot pin fastening and intermediately, a drum shaft orifice and a roller orifice and a slot forming a roller track extending towards the other end and terminating adjacent thereto, a pivot pin secured in said boss and carrying a pulley, a drum shaft secured in said shaft orifice, a drum and accompanying gear journaled on said shaft, a flanged roller journaled in said roller orifice, a toothed rack slidably arranged in said slot from one end and co-acting with said gear under said flanged roller and distanced from said drum by the flange of said roller, a cam bar roller secured to the end of said rack through said slot and a cam bar secured to the elevator.

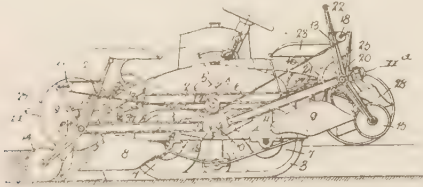
- 1,407,393. INTERNAL-COMBUSTION MOTOR. WILLIAM J. DUNN, Montreal, Quebec, Canada. Filed Feb. 25, 1920. Serial No. 361,314. 17 Claims. (Cl. 123-59.)



1. An internal combustion motor comprising a pair of power cylinders, a pair of valve cylinders and passages

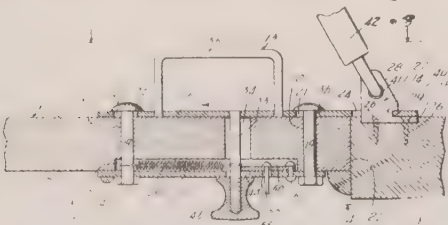
connecting each valve cylinder with each power cylinder, said passages communicating with the valve cylinders at different levels.

- 1,407,394. MOTOR PLOW. VALENTIN DUTKIEWICZ, Paris, and CONSTANT ISAMBERT, Ablis, France. Filed June 2, 1919. Serial No. 301,272. 3 Claims. (Cl. 97—50.)



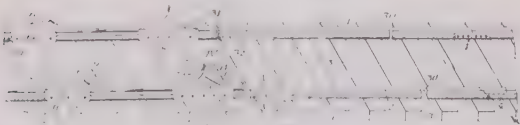
1. In a motor plow the combination with the vehicle framing of a balanced rocking frame carrying the forwardly directed plow shares at one end and rearwardly directed plow shares at its other end, constructed to be freely mounted upon and readily removable from the vehicle framing, a lever fulcrumed in each end of said rocking frame, and a cable connecting the two levers together, a furrow wheel mounted at the lower end of each said lever, whereby the driver by acting by hand, upon each lever can cause said rocking frame to rock over so as to bring the furrow wheel at the leading end of said rocking frame down into the furrow.

- 1,407,395. DOOR LATCH. LOENDER C. EMERSON and FRED S. EMERSON, Los Angeles, Calif. Filed Oct. 23, 1920. Serial No. 418,936. 2 Claims. (Cl. 292—175.)



1. In combination, a door having a recess and a slot, a fixed striking plate having a notch, a flat latch plate slidably mounted on the one side of the door and having an opening adapted to receive the striking plate, a stationary flat plate mounted on the other side of the door and formed with a slot, a handle on the outside of the latch plate, a pin on the inside of the latch plate and extending through the slot in the door and the slot in the stationary plate, a spring arranged in the recess in the door and connected to the pin to normally hold the latch plate in position to extend into the notch when the door is closed, and means for moving the latch plate so that the striking plate will be received by the opening upon closing of the door.

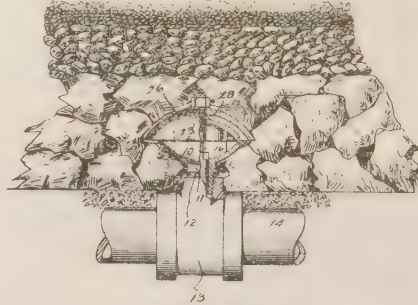
- 1,407,396. TRACK TERMINAL. SAMUEL ENGLISH, Pittsburgh, Pa. Filed Dec. 21, 1921. Serial No. 523,867. 7 Claims. (Cl. 404—260.)



1. A track terminal comprising two portions having different amounts of friction when moving on a rail and

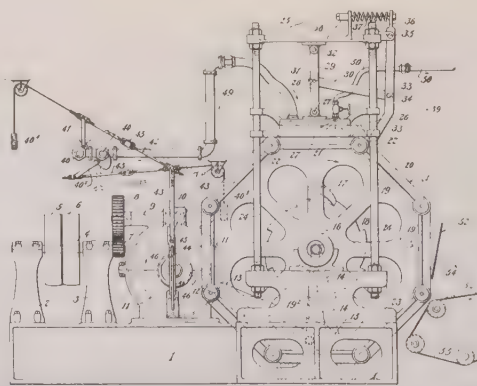
carrying a part of the weight of a car, and means connecting said portions together to move them longitudinally of the rail while limiting thereto the friction produced between each portion and the track by reason of the weight of the car thereon, substantially as described.

- 1,407,397. FILTER VALVE. ALFRED C. EVANS, Hawthorne, N. J. Filed May 20, 1920. Serial No. 382,951. 5 Claims. (Cl. 210—171.)



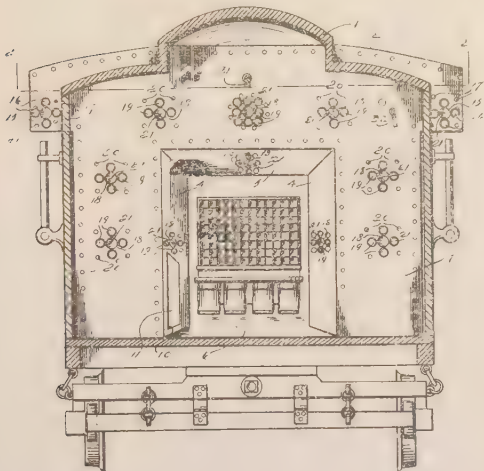
3. A filter valve, comprising a base having a downwardly and outwardly inclined peripheral edge, a vertically movable upper member conforming to said base and having an upwardly and outwardly inclined peripheral edge spaced from said edge of the base to form an inlet opening for the filtered liquid, and a guard cap overlying said upper member and adapted to provide for the free movement and to limit the rise thereof.

- 1,407,398. FELTLESS WET MACHINE FOR PAPER MAKING. HILAND R. FARNSWORTH, Sandusky, Ohio, assignor to The Sandusky Foundry & Machine Co., Sandusky, Ohio, a Corporation of Ohio. Filed Nov. 13, 1919. Serial No. 337,790. 9 Claims. (Cl. 92—38.)



1. In a machine of the kind described, the combination, of an intermittently rotatable member, means for rotating the same, said member having plates or the like secured thereto formed with perforations, screens on said plates, a cover for engaging the plates, means for raising and lowering the cover during the rotation of said member, means for supplying pulp to the interior of the cover, when the member is stationary, means for shutting off the supply of pulp and means for forcing air, under pressure, into the cover for expelling water from the pulp through the screen and perforated plate.

- 1,407,399. HOLDUP FRUSTRATER. JOHN F. FENTON, Kansas City, Kans. Filed Oct. 1, 1921. Serial No. 504,795. 1 Claim. (Cl. 105—394.)



In a hold-up frustrator, the combination with a railway car, of a bullet resisting barricade extending transversely of the interior of the car and having laterally projecting portions extending outwardly of the car, said barricade having in common chambers at opposite sides of the inside of the car and oppositely disposed observation chambers or posts projecting outwardly of the car, the exposed vertical sides of the barricade being provided with port holes and with laminated bullet proof glass eyes about the port holes, metal shutters pivotally mounted on the inner walls of the barricade and holding the port holes normally closed, and train cables traversing the barricade and adapted for manipulation thereof within the barricade to signal the engineer and to make emergency brake applications.

- 1,407,400. PRESERVATIVE WATERPROOF AND MOLDPROOF COMPOUND FOR WRAPPED FOOD PRODUCTS AND METHOD OF PRODUCING THE SAME. CHARLES G. FERRARI, Philadelphia, Pa. Filed Apr. 13, 1921. Serial No. 461,046. 5 Claims. (Cl. 99—8.)

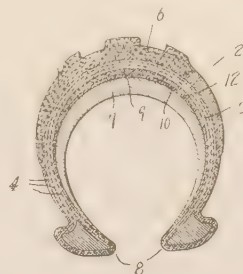
1. As an article of manufacture, a preservative waterproof and mold proof compounded mixture composed of mineral oil, paraffin-wax, beeswax and resin proportions substantially as described and for the purposes set forth.

5. The method of producing a preservative waterproof and moldproof compounded mixture which consists of treating mineral oil, paraffin wax, beeswax and paracoumarone resin in respective proportions substantially as set forth and under steam heat at about 100° centigrade to thereby transform into a substantially homogeneous mixture and then applying at a temperature ranging between 110° and 120° centigrade in the coating of a wrapped food article to be seated to air as well as the growth of aerobic molds, substantially as set forth.

- 1,407,401. PNEUMATIC-TIRE CASING. JAMES I. FREEMAN and LEONARD J. PETERSON, Modesto, Calif. Filed July 21, 1921. Serial No. 486,458. 2 Claims. (Cl. 152—13.)

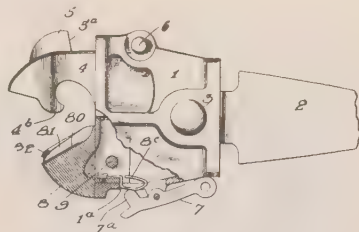
2. A tire casing comprising a carcass, a tread on the outer side of said carcass, a cushion strip on the inner side of said carcass having its center of substantially the same thickness as said tread and being of gradually de-

creasing thickness from the center of the tire to the ends, a reinforcing strip arranged between said carcass



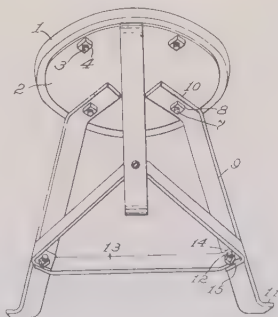
and cushion and adapted to bind them together, and a fabric liner imbedded within said reinforcing strip.

- 1,407,402. KNUCKLE-GUIDING ATTACHMENT FOR CAR COUPLINGS. JOHN H. FUNK, St. Louis, Mo. Filed Mar. 9, 1921. Serial No. 450,865. 6 Claims. (Cl. 213—17.)



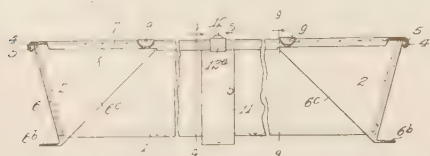
1. In a car coupler, a coupler head having a pivoted knuckle and a rigid hook projecting longitudinally at one side of the longitudinal axis of the head, said head having, at the opposite side of its longitudinal axis, a cavity of a depth and cross sectional area substantially corresponding to the length and cross sectional area of the hook, said hook and cavity being symmetrically disposed upon opposite sides of said longitudinal axis; a detachable knuckle guiding attachment having a shank adapted to fit in said cavity, and means for detachably fastening it therein.

- 1,407,403. REVERSIBLE-SEAT STOOL. DUDLEY GARST, Waterloo, Iowa. Filed Oct. 6, 1921. Serial No. 505,899. 3 Claims. (Cl. 155—194.)



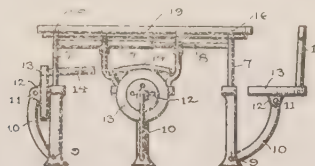
1. In combination, a solid reversible seat with semi-circularly convex edge, a rigid plate mounted contactingly concentrically upon the under face of said seat, legs, and means for separably securing said seat and plate to each other and to said legs rigidly.

1,407,404. HOG TROUGH. NATHAN ALLEN GIBBONS, Martins Ferry, Ohio, assignor to Whittaker-Glessner Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Oct. 6, 1921. Serial No. 505,711. 4 Claims. (Cl. 119—61.)



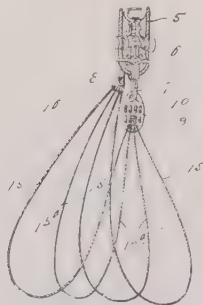
1. A sheet-metal trough comprising a trough body having rolls formed on its lateral edges, end walls provided on said body and having rolls formed on the upper edges thereof, and detachable legs at the opposite ends of said body, each leg comprising an approximately upright panel and lateral wings, said panel having a roll on its upper edge adapted to be interlocked with the roll of the adjacent end wall, and means for interlocking said wings with the trough body.

1,407,405. FURNITURE. ALBERT G. GIRARD, Worcester, Mass., assignor of one-half to Fayette A. Amidon, Worcester, Mass. Filed May 17, 1920. Serial No. 382,141. 4 Claims. (Cl. 45—31.)



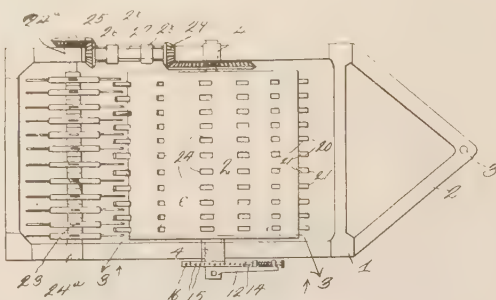
4. In a device as described, in combination, a pair of horizontally adjustable standards, upstanding arms carried by said standards, a table top having bores into which said arms project to hold said standards against separation, and seats foldably connected to said standards.

1,407,406. HAY-SLING TAKE-UP. THOMAS L. GLAZE-BROOK, Minneapolis, Minn. Filed Mar. 23, 1921. Serial No. 454,679. 3 Claims. (Cl. 24—129.)



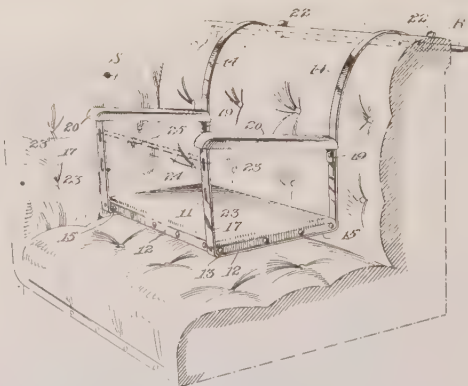
2. A take-up plate of the kind described provided at its upper end with a hook-engaging hole, and below said hole, with a multiplicity of vertical series of holes through which ropes may be alternately passed, said plate, below said series of holes, having a transverse slot through which all the ropes may be passed, certain of the lower holes of intermediate vertical rows of holes being transverse slots of less length than the lower slot of said plate and being common to or forming part of the intermediate series of holes.

1,407,407. ROLLING-DRUM PLOW. PETER GRAVERT, Omaha, Nebr. Filed Mar. 29, 1921. Serial No. 456,537. 3 Claims. (Cl. 55—24.)



1. A rolling drum plow comprising a frame, a drum rotatably mounted in said frame, L-shaped ground engaging elements pivoted on the inner periphery of the drum and having digging arms extending through apertures in the drum, pins carried by said L-shaped digging members, said pins being disposed in an annular slot of eccentrically mounted camming discs disposed within the drum, and means whereby the eccentrically mounted camming discs may be rotated for positioning its annular slot so that the digging arms of the L-shaped digging elements will be forced through the apertures in the drum as the drum rotates at any side of the drum desired.

1,407,408. AUXILIARY AUTOMOBILE SEAT. SIM ALLEN GRAY, Chattanooga, Tenn. Filed Aug. 29, 1921. Serial No. 496,239. 1 Claim. (Cl. 155—10.)

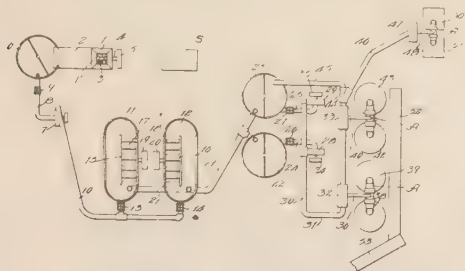


An auxiliary automobile seat comprising a seat portion, rigid supporting members carrying the seat portion extending upward from the back of the seat portion and having rearwardly bent upper ends to conform to and extend over the back of an automobile seat, and hooks on the extremities of the rearwardly bent portions adapted to engage an automobile robe rail, said hooks being bent in a direction reversely to the bend on the upper seat back engaging portion.

1,407,409. METHOD OF FORMING FIBROUS-PULP PAIRS, RECEPTACLES, AND OTHER ARTICLES. ARTHUR W. HANDFORD, Evanston, Ill., assignor, by mesne assignments, to American Seamless Container Company, St. Charles, Ill., a Corporation of Delaware. Filed Jan. 18, 1918. Serial No. 212,386. 13 Claims. (Cl. 92—54.)

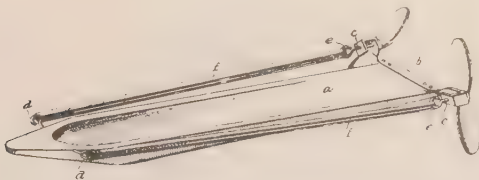
1. The method of forming seamless compressed fibrous pulp pails which consists in passing the pulp into a plurality of stuff chests, selectively drawing said pulp from said stuff chests and passing it into one or more feeding chests, transferring the pulp from said feeding chests to

a pail press where it is pressed into pails, also transferring some of said pulp to a cover press where it is pressed



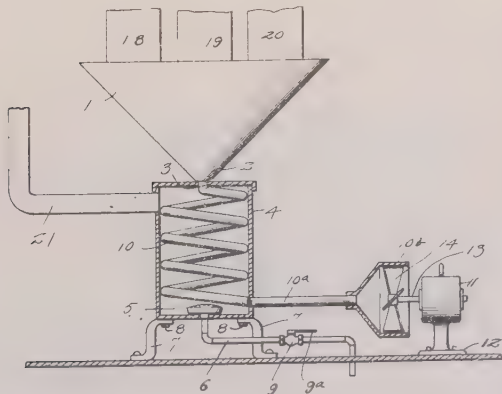
into covers, removing said pails and covers onto a continuous conveyor for transportation to a drying room, and returning the surplus pulp to one of said stuff chests.

1,407,410. TOY BOAT. MORRIS HANNA, New York, N. Y. Filed Aug. 30, 1920. Serial No. 406,941. 1 Claim. (Cl. 46—37.)



1. A toy boat comprising a hull, propellers mounted at one end of said hull having forwardly-extending shafts formed into hooks at their free ends, supports for said propeller-shafts extending upwardly and outwardly from the hull, whereby the shafts are supported in a plane above the top surface of the hull and above the water-line of the boat, and a separate driving means for each of said propellers embodying an elastic band adapted to be twisted under tension and which extends substantially the length of the hull and secured at its ends to the front end of the hull above the water-line and propeller-shaft respectively.

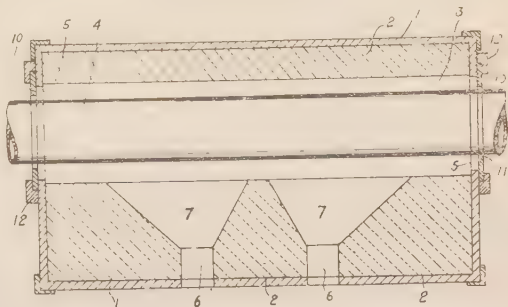
1,407,411. FORCED-HOT-AIR HEATER. HARRY HARLOW, Louisville, Ky., assignor to James Morgan Yewell, Louisville, Ky. Filed Apr. 29, 1921. Serial No. 465,562. 2 Claims. (Cl. 126—116.)



1. A forced hot air heater including a casing, an air heating coil rising therein, a funnel shaped heat distributing drum above the casing and to the lower smaller end of which the upper end of the coil is connected, heat distributing pipes leading from the upper larger end of said drum, a burner in the lower portion of the casing

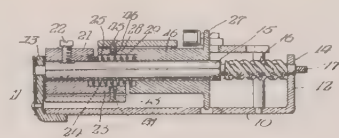
having a valved supply pipe, a fan casing connected to the lower end of the heating coil, a fan therein, a motor actuating the fan, and a thermostat controlling the supply of heated air, as described.

1,407,412. FURNACE FOR LOCALLY HEATING METALS. RALPH HARVEY and ALEXANDER HOLMES, Glasgow, Scotland, assignors to Harland and Wolff, Limited, Glasgow, Scotland. Filed Nov. 3, 1920. Serial No. 421,559. 2 Claims. (Cl. 263—9.)



1. A furnace for locally heating metal tubes or bars comprising a refractory chamber open above and at its ends and of uniform width throughout, one of the side walls of said chamber being imperforate and the other provided with burner orifices, a refractory removable cover adapted to fit into the upper part of said chamber and having projecting flanges resting on said chamber for retaining said cover in position and slotted slidably guided doors disposed transversely of the chamber for embracing the article to be heated.

1,407,413. CENTRIFUGAL GOVERNOR. HUGO S. HASSELQUIST, Oak Park, Ill., assignor to Collins Rotary Safety Razor Company, Chicago, Ill., a Corporation of South Dakota. Filed Aug. 28, 1919. Serial No. 320,354. 4 Claims. (Cl. 188—187.)

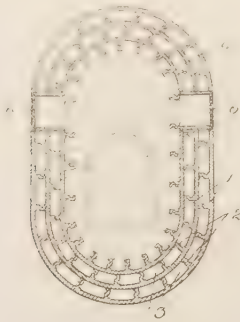


1. In a centrifugal governor of the character described, the combination of a rotary shaft, means to revolve the shaft, a chambered collar surrounding and secured to said shaft having a recess on one side, a chambered sleeve slidably mounted on said shaft having a part extended into the recess of said collar, a coil-expansion spring surrounding said shaft between and accommodated in the chambers of said collar and sleeve tending to slide the latter along the shaft, a brake-disc carried by said sleeve, a relatively-stationary brake-member adjacent to said disc, and a governor having a central portion bent around the interfitted parts of the collar and sleeve, fulcrumed on said collar, and having an operative connection with said sleeve, said governor having neck portions extended in opposite directions from said central part and on opposite sides of the collar and sleeve, and weight portions at the ends of said necks bent partially around the collar and sleeve in opposite directions, substantially as described.

1,407,414. PILOT COMPARTMENT FOR AEROPLANES. IHACHI HATANO, Kimitsu-Gun, Chiba-Ken, Japan. Filed Jan. 5, 1921. Serial No. 435,202. 1 Claim. (Cl. 244—30.)

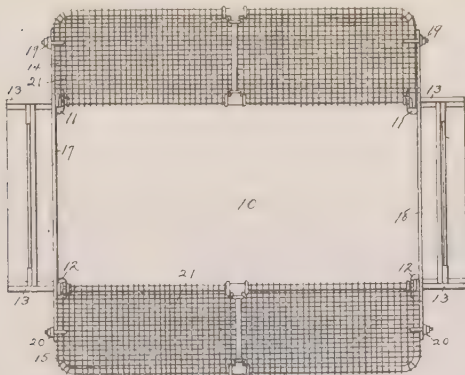
A pilot's compartment composed of longitudinal and transversely extending walls, said walls comprising a

plurality of spaced elastic sheets, a plurality of intermediate longitudinal and transversely extending elastic re-



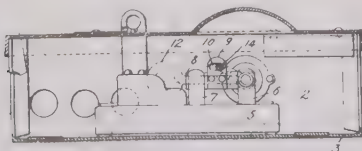
inforced frames, arranged in staggered relation to each other, each frame formed with surface grooves, thereby forming a plurality of enclosed air chambers.

1,407,415. ADJUSTABLE THROW BOARD AND RACK FOR WAGON BOXES AND OTHER VEHICLES. JOSEPH W. HEDRICK and CLARENCE S. HARPER, Ottumwa, Iowa. Filed Nov. 15, 1919. Serial No. 338,151. 4 Claims. (Cl. 290—33.)



3. In a rack attachment for wagon boxes and the like having forks adapted to embrace side boards of said box and latticed side-frames pivotally mounted on said forks and adapted to be moved through arcs relative to the vertical planes thereof, the combination with said frames of bracebars arranged substantially horizontally above the box and extending across end portions of said frames, and clamps adjustably connecting said brace bars to end portions of said frames.

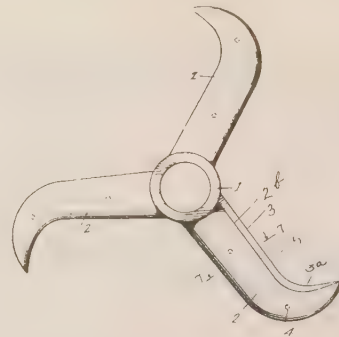
1,407,416. ELECTRICAL SWITCH. BRYSON D. HORTON, Detroit, Mich. Original application filed Mar. 24, 1915, Serial No. 16,610. Divided and this application filed Feb. 15, 1919. Serial No. 277,191. 5 Claims. (Cl. 200—166.)



1. In a device of the character described, in combination, a casing having a first and second wall, a switch

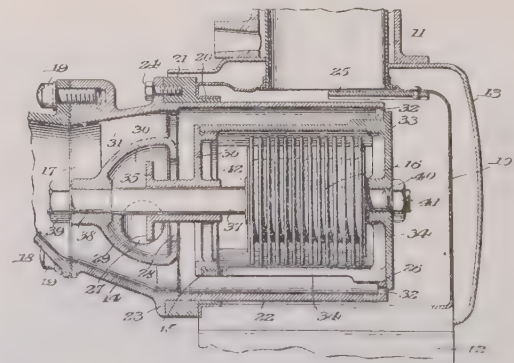
base fast to said first wall, a fixed contact and a movable contact on said base, an operating means having a pivotal mounting in the second wall of the casing, the pivotal mounting of said means and of the movable contact being approximately in alignment, and means interconnecting the operating means and movable contact to compensate for disalignment of the pivotal mountings, said interconnecting means comprising a member, fast to the movable contact and having an elongated opening therein, said operating means passing through the opening.

1,407,417. CUTTER. CLAUDIO GARCIA HUELYES, Santa Clara, Cuba. Filed Jan. 29, 1919. Serial No. 273,855. 2 Claims. (Cl. 55—118.)



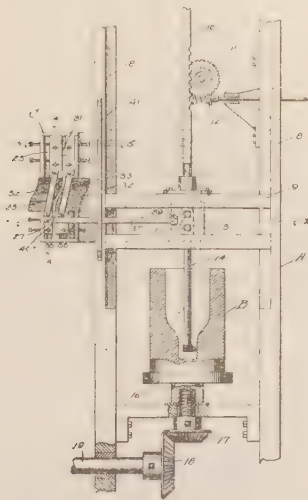
1. A revoluble cutter of the class described comprising radial arms having hook-shaped outer ends projecting forwardly in the direction of rotation, each of said arms having a flat side, and blades on said flat side of the arms and conforming in shape therewith, said blades being wider than said arms and presenting projecting sharpened cutting edges on the front sides of said arms.

1,407,418. MOTOR VEHICLE. ORMOND E. HUNT, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed June 21, 1917. Serial No. 176,102. 12 Claims. (Cl. 236—12.)



5. A valve device comprising a casing having a port, a rod secured to the casing and extending through said port, a valve of less diameter than said port sliding on said rod, and a thermostat connected to operate said valve.

- 1,407,419. TOOL-GUIDING ATTACHMENT FOR LATHES. MONROE G. HUSTED, Bridgeton, N. J. Filed Aug. 5, 1920. Serial No. 401,462. 6 Claims. (Cl. 52-14.)

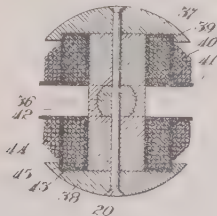


1. A tool guiding attachment for lathes, embodying a base, adjustable plates and multi-leaved segments, substantially as described.

- 1,407,420. EXTRACTION AND RECOVERY OF COPPER. NOAK VICTOR HYBINETTE, Ottawa, Ontario, Canada, assignor to Kristianssands Nikkelraffineringsverke, Christianssands, S. Norway, a Corporation of Norway. Filed Feb. 15, 1921. Serial No. 445,107. 5 Claims. (Cl. 204-15.)

1. The method of recovering copper from sulfide ores which comprises subjecting ore to at least two successive roasting and leaching operations, subjecting the solutions obtained by the leaching operations to electrolysis for the deposition of copper therefrom, and treating the ore, before the second roasting operation, with a solution of salts which promote the subsequent roasting and leaching operations, the roasting and leaching operations being so carried out, and a sufficient excess of the electrolytic solution being separated, to maintain the iron content of the solution sufficiently low to permit the electrolysis to be carried out without diaphragms.

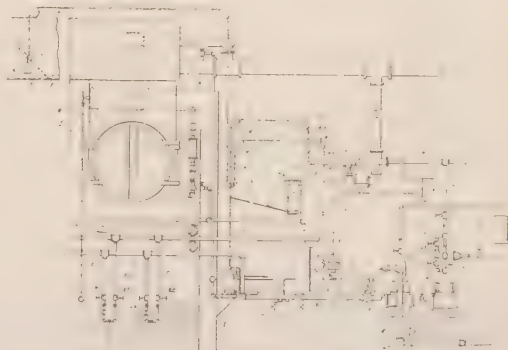
- 1,407,421. MAGNETO. ALEXANDER H. HYNDMAN, Chicago, Ill. Filed Nov. 16, 1918. Serial No. 262,811. 2 Claims. (Cl. 171-207.)



2. A magneto armature comprising a transversely apertured core of magnetic material, a shaft extending through and closely fitting within the aperture in said core, the axes of said core and said shaft intersecting each other at right angles, pole pieces of magnetic material secured to the opposite ends of said core and overhanging the same on all sides and having in each instance an outer cylindrical surface and a plurality of inner plane faces lying in parallel planes perpendicular to the axis of said core, said inner plane faces on each pole piece com-

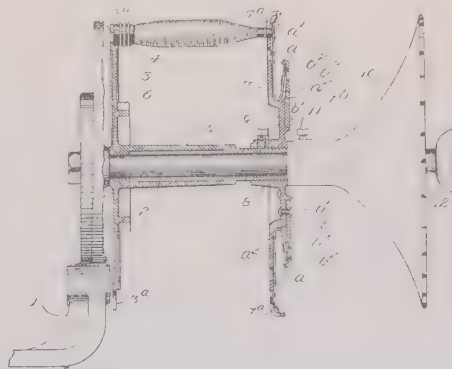
prising a central face contiguous to said core and a peripheral face more distant therefrom, the central faces of both pole pieces being of the same superficial area and lying equidistant from said shaft and farther therefrom than the peripheral faces, and two electric coils closely fitting about said core on opposite sides of said shaft and completely filling in each instance the space between the shaft and the central face of the pole piece, said pole pieces being removable to allow said coils to be removed as units from said core.

- 1,407,422. FUEL-REGULATING SYSTEM. ROBERT H. IRVING, Gramercy, La. Filed Oct. 8, 1920. Serial No. 415,624. 4 Claims. (Cl. 158-45.5.)



1. In an apparatus for the purpose set forth, the combination of a supply line, a valve interposed in said line, a base plate secured upon said valve, a post rising from said base plate at one side of the valve stem, a lever pivoted upon said post and operatively connected with the valve stem, a stop rising from the base plate below said lever and adapted to be engaged by it whereby to prevent complete closing of the valve, a damper, and operative connections between the damper and the lever whereby the valve will be controlled by the damper.

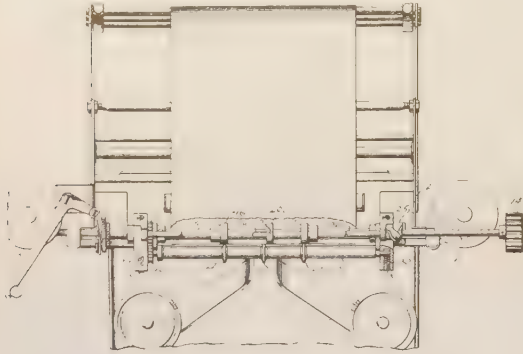
- 1,407,423. WEFT-REPLENISHING MECHANISM FOR LOOMS. SIMEON S. JACKSON, Boston, Mass., assignor, by mesne assignments, to The Stafford Company, Readville, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 22, 1919. Serial No. 332,431. 4 Claims. (Cl. 139-85.)



1. In combination a filling-carrier engaging spring of U shape, comprising a branch or arm which serves as a reaction-member and a second branch or arm constructed to engage and retain a filling-carrier, and a filling-carrier supporting member having a shoulder with which the

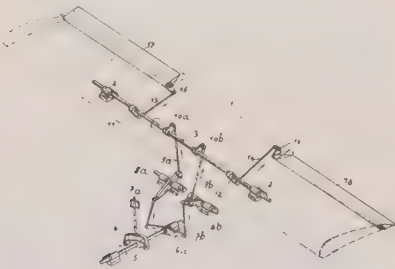
bend of the spring contacts, a wall serving as a reaction-abutment, and means to prevent displacement of the spring radially outward.

1,407,424. PAPER-FEEDING MECHANISM. LOUIS JENSEN, Chicago, Ill., assignor to United Autographic Register Co., Chicago, Ill., a Corporation of Illinois. Filed June 3, 1921. Serial No. 474,630. 7 Claims. (Cl. 197—133.)



1. In a typewriting machine for printing on strips of paper having printed forms of predetermined length, each of which have corresponding post holes adjacent their advance edges, a paper feeding mechanism comprising a pair of coating friction feed rollers positioned to engage the paper in line with said post holes, and means for moving said strips forward after said post holes have been engaged by said friction rollers.

1,407,425. STABILIZATION OF FLYING MACHINES. HUGO JUNKERS, Dessau, Germany. Filed June 1, 1920. Serial No. 392,590. 4 Claims. (Cl. 244—29.)

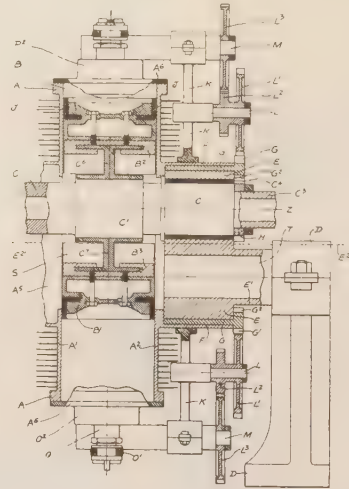


1. In a flying machine in combination, a supporting surface, balancing planes pivotally attached to said surface, a shaft extending substantially transversely to said surface, bearings for said shaft fixed to said surface, transmission members on the axes of said planes and on said shaft, respectively, the members on one of said parts extending in different directions, members connecting said plane transmission members with said shaft transmission members and a steering device adapted to oscillate said shaft.

1,407,426. ROTARY ENGINE ADAPTABLE AS MOTOR, PUMP, OR METER. JAMES REGINALD KEMP, Newbury, England. Filed Jan. 16, 1919. Serial No. 271,456. 5 Claims. (Cl. 123—44.)

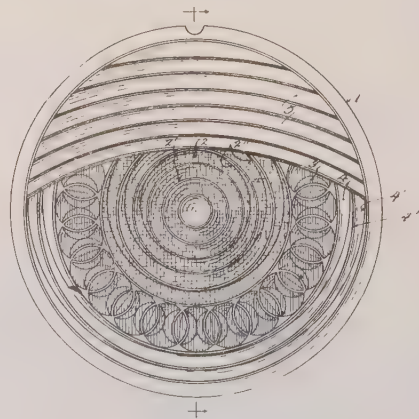
1. In a rotary engine, the combination of a stationary drum provided with a longitudinally extending eccentrically arranged bearing therein, a casing having a cen-

trally disposed annular bearing rotatably fitting upon the drum, a pair of reciprocating pistons within the casing, each of said pistons having a transverse guide channel at its inner end, a power shaft mounted in the eccentric



bearing of the drum and having an angularly faced part thereon in fixed relation thereto, and a pair of plates detachably secured together about said angularly faced part and having slides engaging the respective guide channels of the pistons.

1,407,427. LANTERN LENS. AUSTEN J. KLONECK, New York, N. Y. Filed Jan. 15, 1918. Serial No. 211,965. 9 Claims. (Cl. 240—48.4.)

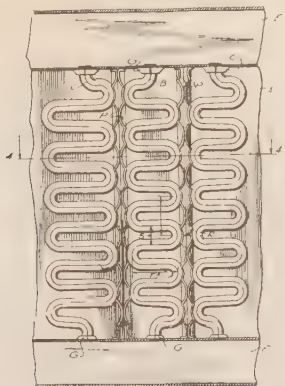


1. A lantern lens having a main part formed with circular prisms, an intermediate of said first part formed with small circular intersecting prisms and a segmental part having arc shaped prisms, all, for the purpose set forth.

1,407,428. RADIATOR. ANTHONY V. KNOLL, Davenport, Iowa. Filed Apr. 26, 1920. Serial No. 376,702. 3 Claims. (Cl. 257—129.)

1. An automobile radiator construction comprising an upper and a lower header, a plurality of water pipes extending from said upper to said lower header, said pipes being bent back and forth to form U-shaped loops, adja-

cent pipes having loops oppositely disposed, a brace disposed between the adjacent pipes, each of said braces



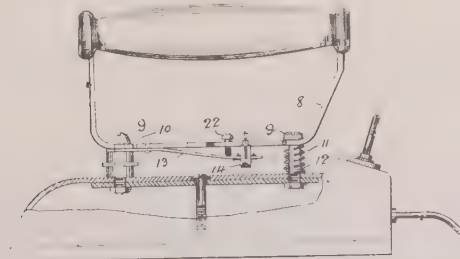
having an opening to receive the bent portion of the contiguous loops and being secured to said bent portions.

1,407,429. TAPE-LINE HOLDER. CHARLES SIMMONS, Los Angeles, Calif. Filed Sept. 14, 1920. Serial No. 410,248. 4 Claims. (Cl. 33—137.)



4. An attachment for holding one end of a tape line comprising a clip having spring jaws for clamping the tape line end therebetween, one of said jaws being provided with a slot, a headed point carried by the clip with the head between the jaws and the point shank projecting outwardly through the slot, means for positively clamping the jaws in retaining engagement with the head of the point and a spring guard on the slotted jaw and engageable with the point for protecting it when not in use.

1,407,430. ELECTRIC IRON FITTED WITH A CURRENT INDICATOR. GEORGE HARRY LOFTS, Hobart, Tasmania, Australia. Filed Sept. 21, 1920. Serial No. 411,867. 6 Claims. (Cl. 219—25.)

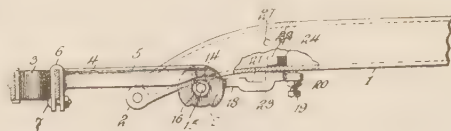


1. In an electric iron of the kind indicated, a flexible handle frame to the iron, a cushion under one end of the same and a springy cut-out plate that is brought into series in circuit with the heating element and in parallel with a warning buzzer when the handle is canted.

1,407,431. UNIVERSAL BRACKET FOR AUTOMOBILE BUMPER OR FENDERS. GEORGE STEWARD MACLEOD, Seattle, Wash., assignor of one-half to Angus P. MacLeod, Seattle, Wash. Filed Feb. 7, 1921. Serial No. 442,083. 8 Claims. (Cl. 293—55.)

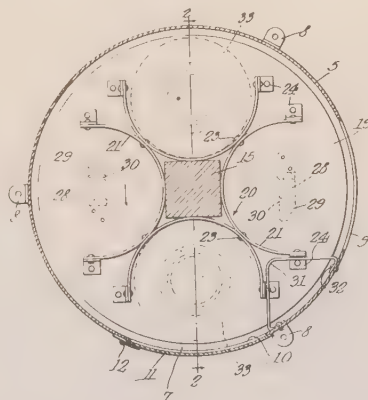
6. In a universal bracket for automobile bumpers or fenders, an elongated anchor plate adapted to bear against

the lower flange of an automobile chassis side channel bar with the face engaging the bar curved longitudinally to admit rocking of the plate, a swivel head on one end of the anchor plate, an overhang lug on the other end of the anchor plate, said anchor plate having a plurality of engag-



ing points for the chassis bar, and a set screw carried by the end of the anchor plate remote from the swivel plate with the set screw projecting through the anchor plate toward the chassis bar, and with the set screw located to engage the chassis bar nearer to the end of the anchor plate than is the overhang lug.

1,407,432. DEVICE FOR HOLDING MILK BOTTLES OR THE LIKE. JOHN C. MARTIN, Terre Haute, Ind. Filed June 25, 1921. Serial No. 480,384. 1 Claim. (Cl. 232—41.)

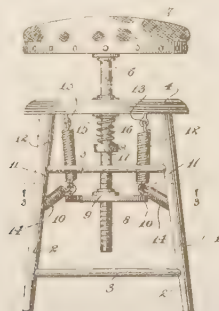


In a device of the character described, a casing having an inlet opening and an outlet opening, a door to close the outlet opening and adapted to be locked in the closed position, a rotatable post arranged centrally within the casing and extending longitudinally thereof, said post being polygonal in cross section, substantially U-shaped brackets secured to the sides of the post and secured to each other and forming a plurality of pockets, a tray having a central opening to receive the lower end of the post and arranged beneath the said brackets and connected with the ends of said brackets, said tray being spaced from the bottom of the casing, a pawl arranged beneath the tray and pivotally connected therewith to swing vertically, a plurality of stops secured to the bottom beneath the tray to engage with said pawl, a stop secured to the casing and projecting inwardly therefrom and arranged between the inlet and outlet openings, and means pivotally connecting the ends of said post with the top and bottom of said casing.

1,407,433. STOOL. ALBERT MILLER and CHAUNCEY C. MATTHEWS, Columbus, Ohio, assignors, by direct and mesne assignments, of two-thirds to Charles F. Miller, Columbus, Ohio, and one-third to said Albert Miller. Filed Nov. 20, 1919, Serial No. 339,363. Renewed Jan. 10, 1922. Serial No. 528,137. 2 Claims. (Cl. 155—52.)

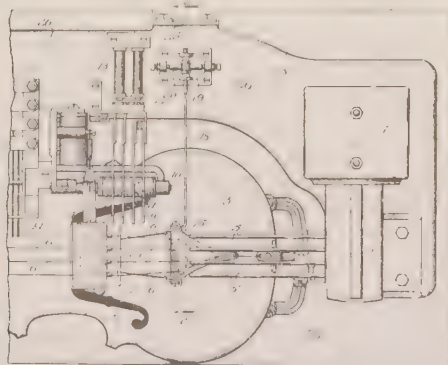
1. A stool of the class described, comprising a frame including a top member and rigidly connected depending legs, a seat having a depending stem slidably mounted for vertical movement through an opening provided in said top member, a collar threaded to the lower end of said stem,

vertically disposed springs having their upper ends connected with the under portion of said top member and their lower ends connected with the stem carried collar,



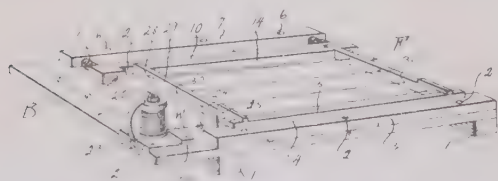
and a plurality of horizontally extending springs connected with said collar and with the depending legs of said frame, said springs serving to maintain the centered positions of said stem and its associated seat.

1,407,434. TREMOLO DEVICE FOR ELECTRIC SELF-PLAYING VIOLINS. BERTIE E. MILLS, Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed July 11, 1921. Serial No. 483,936. 4 Claims. (Cl. 84—11.)



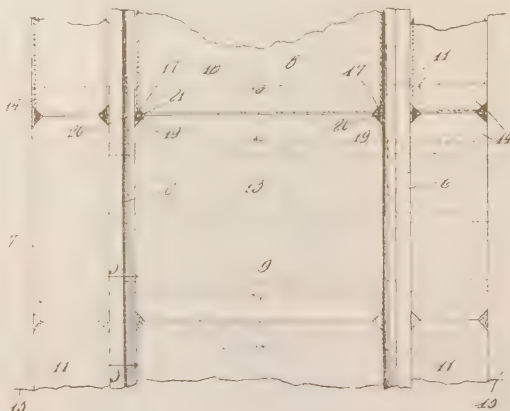
2. In combination with the tail-piece of a stringed instrument, a pendulous vibratory weighted lever connected with the tail-piece and carrying an armature, an electromagnet in an electric circuit, and a lever fulcrumed between its ends adjacent the electromagnet, spring-pressed at one side of its fulcrum and carrying an electric contact at the opposite side thereof to engage a terminal in said circuit and extend into the path of the weight on the lever.

1,407,435. APPARATUS FOR WIRING FRAMES. SILVIUS J. MORRISON, Chico, Calif. Filed June 1, 1921. Serial No. 474,230. 6 Claims. (Cl. 140—93.)



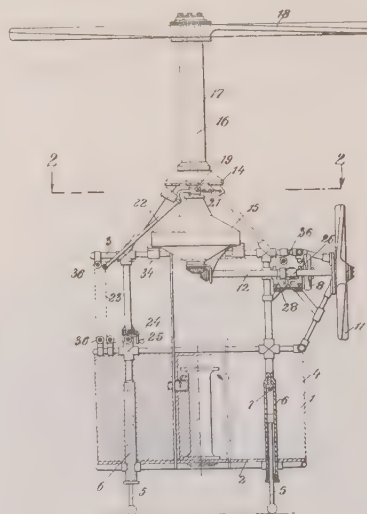
1. An apparatus for wiring frames comprising, in combination, a frame holding means, a spool mounting positioned adjacent said means and means for ejecting a frame from the frame holding means.

1,407,436. RAILWAY-TRACK PAVING. ALFRED T. NEWELL, Birmingham, Ala. Filed Dec. 16, 1921. Serial No. 522,806. 6 Claims. (Cl. 238—9.)



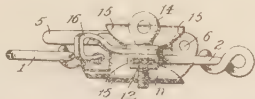
4. A paving for car tracks comprising a series of spaced blocks extending crosswise of the track and located under the rails, said blocks being spaced downward below the rails, and a succession of concrete slabs laid beside the rails and resting at their ends on said blocks.

1,407,437. FLYING MACHINE. JOHANN PAPIEZ, Berlin, Germany. Filed Sept. 24, 1920. Serial No. 412,610. 3 Claims. (Cl. 244—19.)



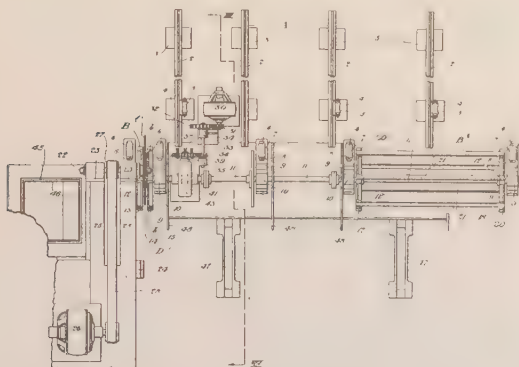
1. In a flying machine; a long vertical shaft with a lifting propeller greater in diameter than the base of the machine and mounted at a considerable distance above the body of the machine; a long horizontal shaft; an advancing propeller mounted on the horizontal shaft at a considerable distance from the body of the machine; steering propellers arranged symmetrically at both sides of the advancing propeller, sliding supports, shafts for the steering propellers mounted in the said supports; driving bands for driving the steering propeller shafts from the advancing propeller shaft; adjustable springs attached to the said supports and adapted to normally tauten the said bands; crank handles for shifting the said supports in opposition to the said adjustable springs, and links between the crank handles and the said supports, substantially as described.

- 1,407,438. TIRE-CHAIN FASTENER. JOHN J. PENHALLEGON, Mineral Point, Wis. Filed June 7, 1921. Serial No. 475,801. 9 Claims. (Cl. 24—73.)



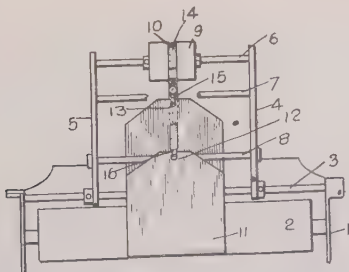
8. A clamp for tire chain fasteners comprising plates adapted to engage the edges of the fastener, ears formed on the plates, one of said ears having channeled flanges, a nut carried by the channeled flanges, and a bolt extending through the ears and threaded through the nut for adjustably connecting the plates.

- 1,407,439. PIPE-SAWING APPARATUS. DAVID H. PINENEY, Elyria, Ohio, assignor to National Tube Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Jan. 15, 1921. Serial No. 437,394. 5 Claims. (Cl. 29—69.)



1. In a pipe sawing machine, a conveying turret adapted to carry the pipe up, against, and away from the saw, said turret comprising a disk member having a plurality of rigid pipe carrying fingers spaced around its periphery, a sector secured to the one side of said disk adjacent each of said fingers, said sectors being cut away forming a projecting finger in line with said first named fingers, and said sector fingers being offset in their length so as to provide a space between said fingers on said disk and said sectors for the passage of a saw.

- 1,407,440. TYPEWRITER. JOHN COATSWORTH REDDICK, Toronto, Ontario, Canada. Filed Apr. 28, 1921. Serial No. 465,199. 8 Claims. (Cl. 197—135.)

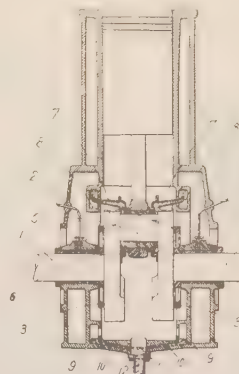


1. In a typewriter, the combination with the cylindrical platen, of a backing formed by a sheet of hard flexible material wrapped around the outside of the platen, and elastic or resilient tension means connected to the free edges of the sheet adapted to exert a constant stretch in the sheet to automatically take up surface expansion produced therein by key impact at the printing point.

- 1,407,441. RECOVERY OF THORIUM. LONNIE W. RYAN, Chicago, Ill., assignor to Lindsay Light Company, Chicago, Ill., a Corporation of Illinois. Filed July 1, 1918. Serial No. 242,755. 2 Claims. (Cl. 23—13.)

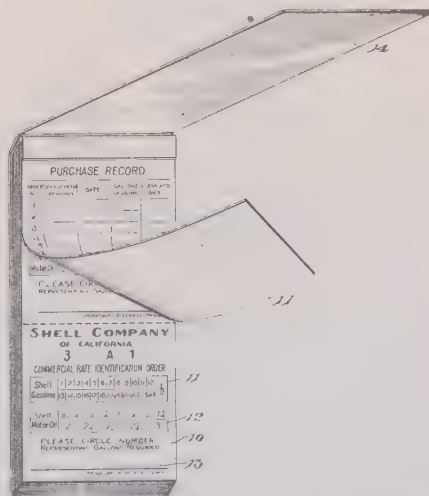
1. The method of separating thorium from an acid solution containing the same in admixture with rare earth metals and iron, which consists in adding to such solution a water soluble sodium metaphosphate of the character produced by the gentle heating of a phosphate containing sodium and hydrogen, substantially as described.

- 1,407,442. CONNECTING ROD HEAD. LÉON SAIVES, Boulogne-sur-Seine, France. Filed July 20, 1920. Serial No. 397,737. 2 Claims. (Cl. 184—7.)



2. Means for collecting the excess oil which escapes from the bearings of connecting rods, comprising oil receiving annuli mounted adjacent to the cheeks of the bearings and movable therewith, fixed annuli forming gutters secured to, or integral with the crank casing, tubular extensions from each movable annulus for conducting the excess oil from said movable annuli to the stationary annuli, a lower sump also integral with crank casing, into which the oil directed into the stationary annuli is discharged, and means for drawing off the oil from said sump.

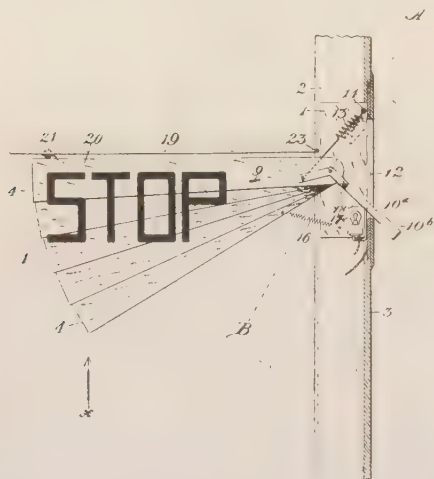
- 1,407,443. IDENTIFICATION COUPON BOOK. EDWARD H. SANDERS, San Francisco, Calif., assignor to Shell Company of California, San Francisco, Calif., a Corporation of California. Filed Oct. 5, 1921. Serial No. 505,475. 2 Claims. (Cl. 283—60.)



1. An identification and voucher for commercial users of gasoline and oil, comprising a book intended for issuance.

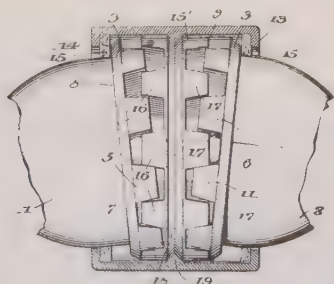
ance free of charge to certain classes of customers, and containing a number of detachable coupons, each bearing separate tables of figures, one indicating the measure of fuel purchased, and the other indicating the measure of oil purchased, and having a space thereon for the signature of the purchaser, and a cover for the book, containing the permanent signature of the customer for comparison with the signature on the coupons.

1,407,444. AUTO SIGNAL. MARSHALL O. SMITH and EVERETT A. MAHANNAH, Niagara Falls, N. Y. Filed Aug. 15, 1921. Serial No. 492,592. 4 Claims. (Cl. 116—41.)



1. In a device of the character described, a semaphore formed of sectors pivoted at their inner ends and adapted to fold upon each other, said sectors between their ends being each given a different lateral configuration adapted to hold the intermediate portions of the sectors spaced from each other.

1,407,445. UNIVERSAL JOINT FOR COUPLING SHAFTS. CHARLES M. SPANGLER, Emporium, Pa. Filed Apr. 25, 1921. Serial No. 464,066. 2 Claims. (Cl. 64—92.)



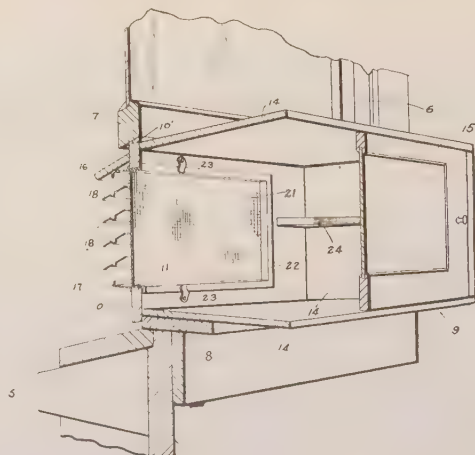
2. In a universal joint, the combination of joint or coupling members respectively provided with teeth, a coupling disk interposed between said teeth and itself provided with teeth on its opposite sides which mesh with the respective sets of teeth of the coupling parts afore-said, said disks being provided with an annular groove, and a casing or housing having flanges cooperating with the parts of the coupling and also provided with a rib which is received in the groove of the disk and serves to hold the disk in intermediate position between the coupling parts, said casing or housing enclosing the disk and the teeth on the coupling parts.

1,407,446. TWINE CUTTER. JOSEPH SUTTON, Walla Walla, Wash. Filed Apr. 18, 1921. Serial No. 462,310. 2 Claims. (Cl. 30—14.)



1. In a twine cutter, the combination of a finger ring, cutting blades mountable in said ring, said cutting blades consisting of a pair of slotted blades sharpened on the upper side of said slot and having the cutting edges on the outer side thereof, a knife blade disposed between said slotted blades and tapered to form a cutting juncture with said slotted blades, and a means for rigidly and removably attaching said blades to said ring.

1,407,447. WINDOW-COOLING BOX. EDWARD RAY TOMPKINS, Milwaukee, Wis. Filed Feb. 16, 1921. Serial No. 445,521. 1 Claim. (Cl. 45—104.)

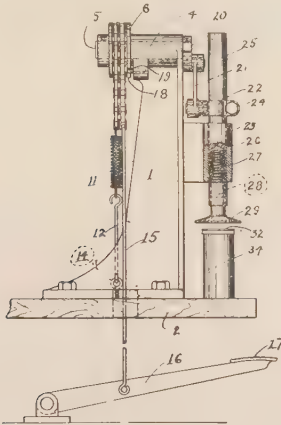


A window cooling box, comprising an outer board having an opening and adapted to be positioned in the sash ways of a window casing, a frame removably extending into said opening, a removable fabric covering said opening and having its edge portions interposed between the frame and the edge portions of the board forming the opening, shutters mounted on the outer side of the board for adjustably closing the opening, a shutter controlling means extending through the board to the inner side thereof, extension ends telescoping over the opposite side edge portions of the board and entering into the sash ways, spring members interposed between the board and the extension ends, and a door formed in said box member permitting access to the interior thereof.

1,407,448. CAPPING MACHINE. HARRY E. TOWNSEND, Brooklyn, N. Y., assignor to Anchor Cap & Closure Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 10, 1916. Serial No. 124,862. 4 Claims. (Cl. 226—80.)

1. In a machine for applying closures to vessels, the combination of a frame provided with a frontal plunger bearing and a shaft bearing disposed at substantially right-angles thereto, a plunger of uniform cross section mounted for reciprocation vertically in the plunger bearing in guiding contact therewith, a shaft mounted for rotation in the shaft bearing, means between the shaft and the plunger whereby the latter is reciprocated upon rotation of the former, said means permitting adjustment

of the plunger to different zones of operation, a package support disposed below the plunger bearing in the line of movement of the plunger, a spring-pressed chuck mounted



at the lower end of the plunger and having a portion telescopically seated in a part of said plunger and movable through the plunger bearing, and means for rotating the shaft to reciprocate the plunger.

1,407,449. PREPARATION FOR TREATING LEATHER. ROBERT E. TOMMERSON, St. Louis, Mo. Filed Oct. 23, 1920. Serial No. 419,061. 3 Claims. (Cl. 149—6.)

1. A preparation for treating leather, comprising the following ingredients in substantially the following proportions by weight:

Trisodium phosphate 3½ parts,
Sulphonated oil 2 parts,
Water.

1,407,450. EYEGLASSES. JOHN MANNING VAN HEUSEN, Jamaica Plain, Mass. Filed Feb. 16, 1921. Serial No. 445,344. 6 Claims. (Cl. 88—48.)

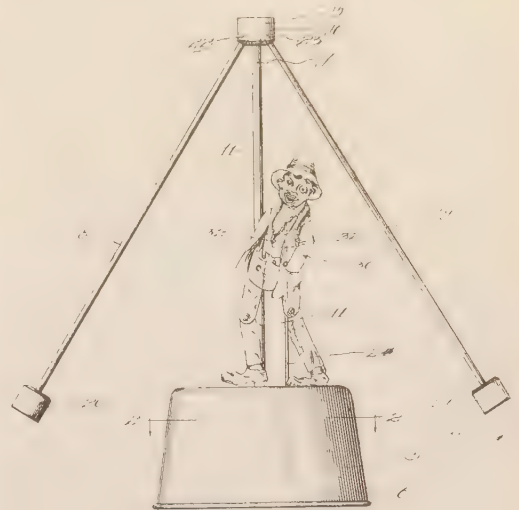


6. Eyeglasses having guards provided with liners of pile fabric.

1,407,451. MECHANICAL DANCING TOY. THOMAS M. VAUGHAN, Lisbon, Ohio, assignor to Benjamin F. Bain, Pittsburgh, Pa. Filed Mar. 21, 1921. Serial No. 453,881. 3 Claims. (Cl. 46—40.)

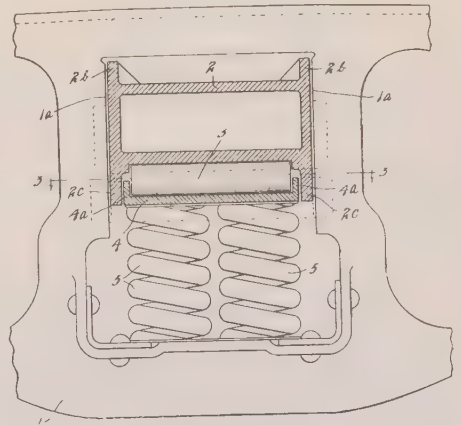
1. A mechanical toy comprising in combination a frame, a shaft journaled in the frame, connecting means on said shaft, a pair of radially extending momentum arms on said connecting means, a cam connected to the shaft,

and an oscillatable rod extending through the frame and working in conjunction with the cam, means for pre-



venting rotation of said rod, and a figure carried by said rod, substantially as described.

1,407,452. CAR TRUCK. EDWIN W. WEBB, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a Corporation of New Jersey. Filed Nov. 12, 1921. Serial No. 514,586. 8 Claims. (Cl. 105—186.)



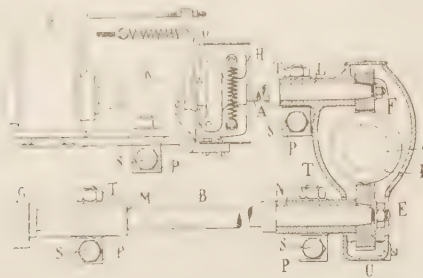
1. A car truck comprising a side frame having its compression member of inverted U shape in cross section, and having bolster columns, a bolster having a wearing surface extension projected upwardly at the side thereof and adapted to be received in said U-shaped section of the side frame when the truck is assembled.

4. A car truck having bolster columns provided with guiding and wearing surfaces, and a bolster having wearing surfaces co-operating therewith, said latter surfaces comprising downwardly projecting extensions at each side of said bolster projecting below the body of the bolster between the bolster columns.

1,407,453. FOUR-CYCLE INTERNAL-COMBUSTION ENGINE. WILFRED LE PLASTRIER WEBB and KENNETH IRWIN CROSSLEY, Openshaw, Manchester, England. Filed Nov. 3, 1921. Serial No. 512,668. 6 Claims. (Cl. 123—195.)

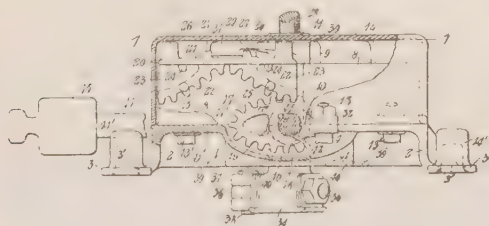
1. The combination with an engine frame, of a plurality of axles carried by the frame and arranged in

spaced relation. bolts having apertured heads swiveled on said axes, bearings mounted on said bolts and having



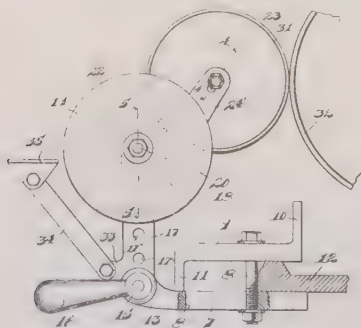
aligned bores, the axes of said bores being arranged in a plane at right angles to the axes of said bolts, and a driven shaft mounted in said bores.

1,407,454. SWITCH STAND. FRANK C. ANDERSON, Cincinnati, Ohio. Filed Oct. 27, 1921. Serial No. 510,847. 42 Claims. (Cl. 246—411.)



2. In a switch-stand, mechanism comprising a lever and a variable-radius spur pinion coaxially connected, a rack meshing with said pinion, an intermediate crank operatively engaging with said rack, a direct switch-throwing crank coaxially connected with said intermediate crank, and means operatively supporting said mechanism.

1,407,455. TOOL GRINDER. ELLIOTT E. ANTHONY, Chicago, Ill. Filed Nov. 10, 1919. Serial No. 377,088. 6 Claims. (Cl. 51—259.)

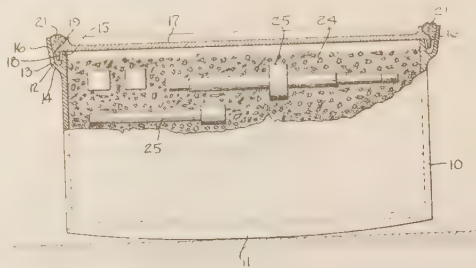


1. A grinding tool comprising a frame; a vertically adjustable arm swingably mounted on said frame; means for securing said frame to a lathe; a grinding member rotatably mounted on the upper end of said arm; means for rotating said grinding member; and means engaging with said last mentioned means for actuating the same, substantially as described.

1,407,456. CARBURIZING BOX. PERCY A. E. ARMSTRONG, Loudonville, N. Y. Filed Jan. 30, 1920. Serial No. 355,290. 3 Claims. (Cl. 263—49.)

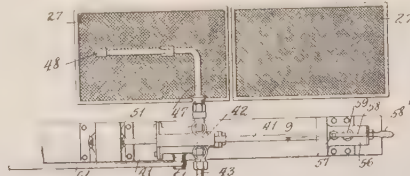
1. A carburizing box or the like, having a flange extending outwardly and upwardly from the walls of the

box near the top edge thereof and providing a channel, and a lid adapted to rest on the top edge of said box



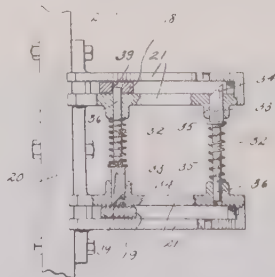
and provided with a flange adapted to extend downwardly into said channel and near but not to the bottom thereof.

1,407,457. PUMP-OPERATING MECHANISM FOR WAFER-BAKING MACHINES. ROBERT ELMER BAKER, Bronxville, EARDLEY HARRY FORD, Brooklyn, and IRWIN ELLIOTT, New York, N. Y., assignors, by mesne assignments, to Joseph Baker Sons & Perkins Company, Inc., White Plains, N. Y., a Corporation of New York. Filed Dec. 2, 1918. Serial No. 264,977. 7 Claims. (Cl. 107—28.)



1. In a machine of the class described, a conveyor, a guide ranging lengthwise of said conveyor, a pump barrel movable along said guide and adapted to discharge material on articles carried by said conveyor, a piston arranged to travel within said barrel in the same direction in which the pump barrel moves and provided with a rod projecting at each end of the barrel, stationary abutments adapted to engage the ends of the piston rod and to cause a relative movement of the piston within the barrel as the latter continues to move after such engagement, a shaft in operative connection with the conveyor, a rocker operated by said shaft, and an operative connection between the rocker and the pump barrel, to cause the latter to reciprocate along said guide.

1,407,458. GEAR-SHIFT-LOCKING MECHANISM. ARTHUR V. BERRY and ELMER S. BERRY, Hebron, Ohio. Filed June 27, 1921. Serial No. 480,515. 5 Claims. (Cl. 74—83.)



2. A safety locking mechanism for gear shift levers, the combination with a pair of pivotally mounted levers,

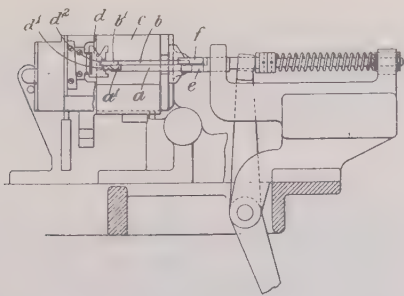
of a fixed support arranged contiguous to said levers, and spring actuated bolts carried by said support and capable of being engaged with said levers whereby when one of said levers occupies an active position, the other lever will be positively retained against movement in an inactive position.

- 1,407,459. CONDUCTOR'S VEST. SAMUEL M. BLOCH, Cleveland, Ohio, assignor to The Bloch Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 2, 1919. Serial No. 314,873. 1 Claim. (Cl. 2—54.)



In a garment of the character described, the combination of a main body part of flexible material, providing a V-shaped neck opening at its upper edge, a reinforcing strip of heavy material conforming to the shape of the neck opening and partially enclosed within the material at the edge thereof, a plurality of overlapping strips attached at their side and lower edges to the face of the main body below the neck opening and extending transversely across said body, another transversely extending strip similarly attached, positioned adjacent the lower edge of the main body and having an upwardly curved upper edge spaced from the adjacent straight edge of said overlapping strips, two parallel rows of stitching connecting all of said transversely extending strips to said main body and subdividing the same into side and central compartments and eyelets secured to said main body adjacent said stitching in the space between said transverse strips, for receiving the fastening means of a coin-handling device.

- 1,407,460. SPACE-CASTING MECHANISM OF TYPOGRAPHIC MACHINES. PERCY WALTER DRUITT and WILLIAM ROBERT GILPIN, London, England. Filed Oct. 12, 1920. Serial No. 416,530. 2 Claims. (Cl. 199—85.)



1. In typographic machines wherein the matrices are assembled in line by means of keyboard mechanism and then pass successively to the casting mechanism, space casting mechanism comprising a space matrix having a stepped set notch therein, and a mould blade in two

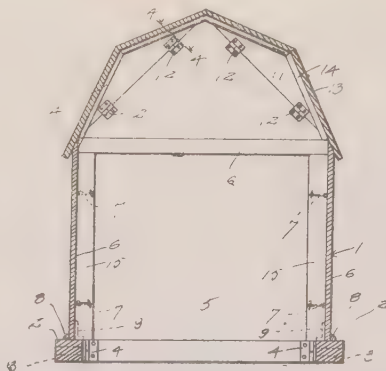
parts relatively movable to each other and cooperating with the respective steps of the set notch, one step serving to determine the correct set width, while the other step determines the height or length of the cast space.

- 1,407,461. DECORATED ARTICLE. ABRAHAM N. EPSTEIN, New York, N. Y., assignor of one-half to Conrad Marx, Brooklyn, N. Y. Filed Jan. 21, 1920. Serial No. 352,991. 1 Claim. (Cl. 41—22.)



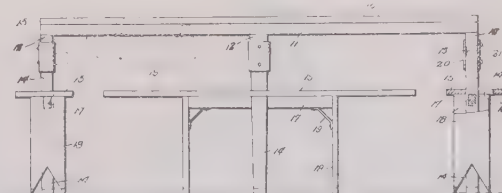
The method herein described of decorating articles, consisting in applying a coating of a celluloid solution to the article, applying a layer of a thinning solution to the celluloid coating to soften the latter, producing a design in the softened celluloid coating, coloring the design, applying colorless glass beads to the design to lie in contact with each other and to extend partly into the said softened celluloid coating, and then applying to the glass beads a coating of a transparent solution, which is not affected by temperature or moisture, to hold them in position.

- 1,407,462. PORTABLE BUILDING. PATSY FASSON, Mount Pleasant, Pa. Filed May 13, 1920. Serial No. 381,132. 2 Claims. (Cl. 20—2.)



1. A building comprising side and end walls, said end walls projecting above the side walls and having inclined edges, elements resting on said edges and having oppositely inclined outer edges, and an angular roof resting on the side walls and the oppositely inclined edges of said elements.

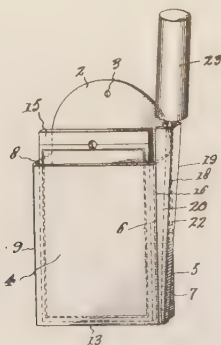
- 1,407,463. CAMPING FURNITURE. CHARLES R. FETTERMAN, Butte, Mont. Filed Apr. 21, 1921. Serial No. 463,368. 3 Claims. (Cl. 45—31.)



1. An article of furniture comprising a table top, rigid leg stubs disposed medially of the opposite ends of the side and end edges of said top, supporting legs hingedly

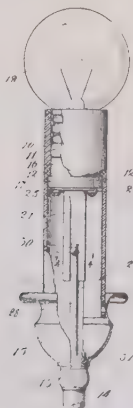
connected with said leg stubs for folding movement inwardly of the lower face of said top, means for preventing accidental hinging movement of said supporting legs from operative position, bench boards loosely carried on said supporting legs and extending parallel to the side and end edges of said top and normally in a common plane below the lower face of the same, and supporting bases for said bench boards carried by said supporting legs, said bench boards being movable vertically and inwardly of said supporting legs when the latter are folded inwardly of the lower face of said top.

1,407,464. COMBINED HOLDER FOR COUPON BOOKS AND ICE PICKS. REINHOLD H. GARBE, Yakima, Wash. Filed Feb. 15, 1921. Serial No. 445,167. 1 Claim. (Cl. 248—20.)



A combined holder for coupon books and ice picks comprising a receptacle for a coupon book provided with walls of lesser height than the book whereby to expose the upper portion of the book, said receptacle provided with suitable means for suspending it from a support, a holder for an ice pick secured to one side of said receptacle and composed of three walls bent at substantially right angles, a fourth wall being omitted, the edges of the two walls adjacent the omitted wall being tapered and placed against one side of the receptacle and secured thereto, the walls of the pick holder being extended above the walls of the receptacle, said pick holder being open at its bottom, substantially as described.

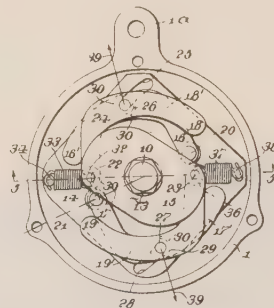
1,407,465. ELECTRIC-CANDLE LIGHTING FIXTURE. WALTER R. KAHNS, Brooklyn, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed May 21, 1921. Serial No. 471,302. 4 Claims. (Cl. 240—52.)



1. A support for a lamp socket in electric candle fixtures, comprising two members, each formed from a flat

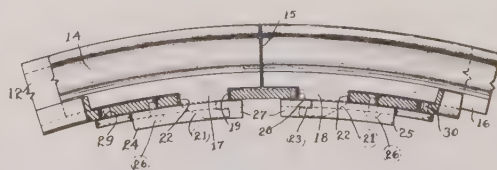
strip of metal, one member being provided with a central longitudinal rib on one side and a corresponding groove in its opposite side with flat lateral projections on each side thereof, the other member having its longitudinal edges folded over the flat sides of the first member and extending to the rib on the other member leaving a longitudinal slot, into which said rib projects, said second member being provided at its top or free end with two divergent arms having screw holes therein for attachment to the bottom of the socket, said first member carrying at its lower end a stud for connection with a pipe terminal, and a set screw passing through a threaded opening in said rib on the first member.

1,407,466. IGNITION-CONTROL APPARATUS. ARTHUR ATWATER KENT, Ardmore, Pa., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Continuation of application Serial No. 157,019, filed Mar. 23, 1917. This application filed July 13, 1921. Serial No. 484,320. 58 Claims. (Cl. 200—22.)



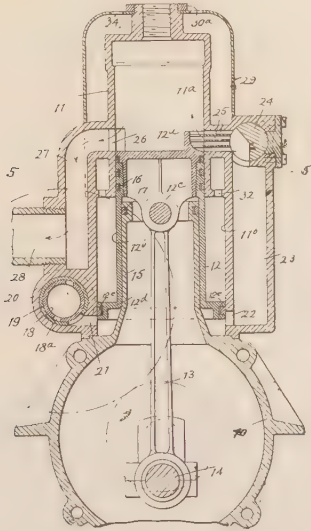
1. The combination with ignition timing structure, as a cam, of an axially short governor comprising a governor member secured to said structure, a driving shaft, a second governor member secured thereto, and light flat plate weights movable under the influence of centrifugal force for effecting relative movement between said governor members, all the weights of said governor disposed upon one side of one of said governor members and movable in separate planes spaced longitudinally of said shaft from said one of said governor members.

1,407,467. RIM. WALTER C. KEYS, Cleveland, Ohio, assignor to The Standard Parts Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 17, 1919. Serial No. 311,458. 2 Claims. (Cl. 152—21.)



1. The combination of a tire-carrying rim having a circumferential groove adjacent one edge thereof, a transversely split side ring having a part thereof seated in said groove, and means for locking said ring in seated position upon said rim, comprising a lug on said ring adapted to extend through said rim and having a transverse slot in its forward edge, and a latch pivoted to said rim and extending under said lug and having at its end a rearwardly directed tongue adapted to enter the slot in said lug.

1,407,468. INTERNAL-COMBUSTION ENGINE. CHARLES M. LEECH, Cleveland, Ohio; Charles E. Kindell administrator of said Charles M. Leech, deceased. Filed Apr. 1, 1920. Serial No. 370,508. 3 Claims. (Cl. 123-74.)

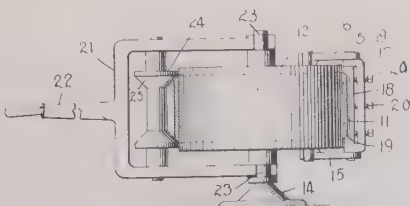


1. In an internal combustion engine of the two cycle type, a crank case having a cylindrical extension, a cylinder having a working portion and a pumping portion, the pumping portion surrounding the crank case extension, a piston engaging the working portion of the cylinder and having a sleeve surrounding the extension of the crank case and having a pumping portion adapted to reciprocate between the pumping portion of the cylinder and the crank case extension, ports in the pumping portion of the cylinder for the admission of mixture to the space beneath the pumping portion of the piston and for the delivery of the mixture to the working portion of the cylinder, and an air port in the pumping portion of the cylinder adapted to be uncovered by the pumping portion of the piston on the suction stroke thereof.

1.407,469. PAINT OIL AND PROCESS OF MAKING THE SAME. FREDERICK A. LEVENHAGEN and JAMES W. EVANS, Cleveland, Ohio. Filed Apr. 21, 1919. Serial No. 291,570. 3 Claims. (Cl. 134-56.)

1. Method of manufacturing paint oils, consisting in mixing together a mineral oil and drying oil in raw form, and treating the same with less than two per cent by volume of sulphur chloride.

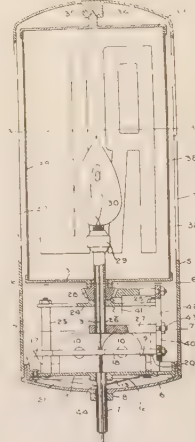
1.407,470. ART OF MAKING RINGS FOR CUTTING RUBBER AND OTHER MATERIAL. COLIN M. LOGAN, Newark, N. J., assignor to Heller Brothers Company, Newark, N. J., a Corporation of New Jersey. Filed June 10, 1920. Serial No. 387,899. 5 Claims. (Cl. 76-101.)



1. The improvement in the art of forming rings having cutting or abrading faces, which consists in first cutting

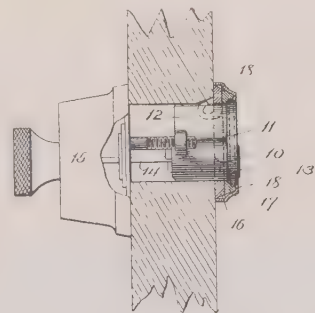
the face of a flat strip of material, and then grasping the strip in a manner to leave the teeth uninjured and bending the material around a former to give it the desired shape.

1,407,471. VEHICLE SIGNAL. JOHN MAYER, Minneapolis, Minn. Filed July 28, 1917. Serial No. 183,282. 5 Claims. (Cl. 177-327.)



1. A vehicle signal comprising a casing closed at one end, a plate snugly fitting the closed end, signal means carried by the plate, signal operating means also carried on the plate whereby upon removal of the plate the signal means and signal operating means will be removed as a unit, and a conductor sleeve secured to the plate and threaded through the closed end of the casing.

1.407,472. REENFORCED RING FOR PIN-TUMBLER LOCKS. MAXWELL C. MAXWELL, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed June 29, 1921. Serial No. 481,276. 6 Claims. (Cl. 70-46.)



2. The combination of a cylinder lock having a flange at its outer end, and a reenforced ring composed of a plurality of ring members the outer ring member being free to turn on the inner ring member and having a recessed seat to receive and house the flange on the cylinder lock.

1.407,473. LAMP FITTING. ETHELBERT THOMAS RUTHVEN MURRAY, Hertfordshire, England. Filed Dec. 1, 1921. Serial No. 519,082. 4 Claims. (Cl. 240-6.)

1. In an electric lamp fitting, the combination of a tubular electric lamp having a terminal cap at each end thereof, insulating bridge pieces at both ends for supporting said terminal caps, a supporting frame connecting said

bridge pieces, an electric connection from the frame to one of the lamp terminals, an outer casing having end caps,



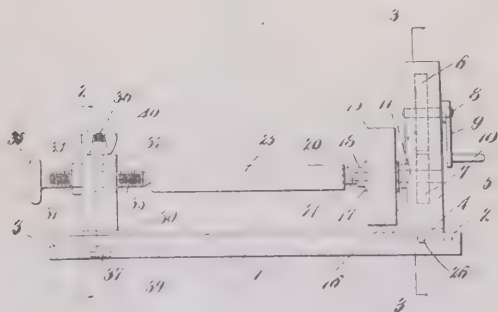
and a contact mounted in one of said end caps for making electrical connection with said frame.

1,407,474. PENCIL CLIP. JENS P. NIELSEN, Chicago, Ill. Filed Dec. 13, 1920. Serial No. 430,206. 3 Claims. (Cl. 24—11.)



2. In a pencil clip, a pressure member, a U-shaped spring secured at one end thereto, and a pencil-gripping member having a pair of straps struck up from the same and presenting loops aligned longitudinally of the pencil-gripping member, the spring having one shank extending through both straps and the said straps being curved substantially concentric with the back of the pencil-gripping member to clamp the said shank of the spring rigidly to the pencil-gripping member.

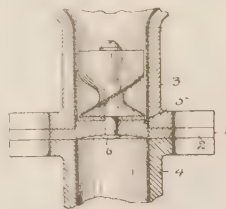
1,407,475. WINDING AND SHARPENING APPARATUS. OLAF NORDBO, Malden, Mass. Filed Dec. 30, 1920. Serial No. 434,058. 2 Claims. (Cl. 51—170.)



1. Portable grinding and reeling apparatus of the kind described, consisting in a base, a removable support at one

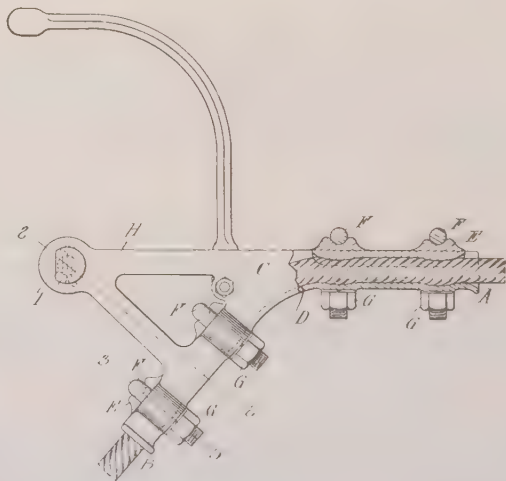
end of said base, carrying an operating handle and a live center, a removable and adjustable support at the other end of said base carrying an adjustable center for the reel and a combined fly wheel and grinder mounted on the live center.

1,407,476. GAS MIXER. CARL A. PETERSON, Superior, Wis. Filed Feb. 9, 1920. Serial No. 357,222. 2 Claims. (Cl. 48—180.)



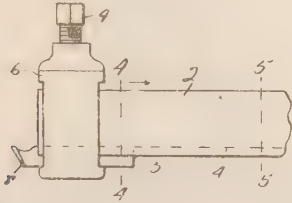
1. A gas mixer of the class described comprising a suitable support and a one piece smooth surfaced elongated mixing wheel rotatably mounted upon the support, the portion of said wheel adjacent the support being of spiral form and the portion at the opposite end being fan shaped, said wheel receiving motion by the action of the gas, substantially as described.

1,407,477. STRAIN CLAMP FOR ELECTRICAL CONDUCTORS. BENTLEY A. PLIMPTON, Lima, N. Y., assignor of one-half to The Porcelain Insulator Corporation, Lima, N. Y., a Corporation of New York. Filed Oct. 5, 1920. Serial No. 414,879. 12 Claims. (Cl. 24—135.)



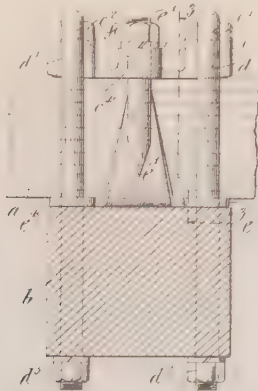
9. A clamping device for electric conductors comprising a clamping member of U-shaped formation in cross section and curved longitudinally, affording two U-shaped clamping portions at an angle to each other, the opposite walls of the clamping member having extensions, means connecting said extensions for securing the clamping device to a support, said connecting means also serving to prevent accidental removal of a conductor positioned between the walls of said clamping member, separate clamping members cooperating with each of said clamping portions, and a pair of retaining devices cooperating between each of said clamping members and said clamping portions, the clamping portions and clamping members having cooperating depressions and projections in alignment with the retaining devices.

- 1,407,478. TOOL HOLDER. FRANK PRETSCH, Philadelphia, Pa. Filed Feb. 4, 1920. Serial No. 356,301. 2 Claims. (Cl. 29—96.)



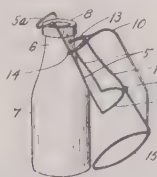
1. In a tool holder, a tool post having a rectangular groove formed in its lower edge from its forward end inward to a point intermediate its ends and having another groove inverted V shaped in cross section and communicating with the inner end of said first named groove.

- 1,407,479. SPRING CLIP. WILLIAM T. R. PRICE, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 28, 1920. Serial No. 406,542. 1 Claim. (Cl. 267—53.)



In combination with the saddle of a spring clip, U-bolts passing over the saddle adjacent opposite ends and extending downward through the axle to receive retaining nuts, a supplemental clip having a web section adapted to rest under the spring and formed with ears projecting beyond the sides of the spring through which the legs of said U-bolts pass, and upwardly extending legs formed integrally with the web section and lying between said U-bolts and terminating in threaded portions extending through the saddle to receive retaining nuts.

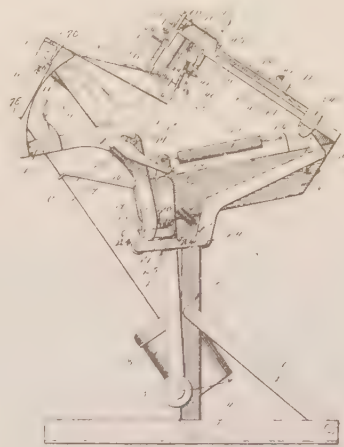
- 1,407,480. BOTTLE CARRIER. HENRY W. PROBST, St. Paul, Minn. Filed Sept. 19, 1921. Serial No. 501,691. 3 Claims. (Cl. 215—100.)



1. A bottle carrying device composed of two skeletal members slidable vertically on each other, the upper member comprising a pair of vertically disposed bars having a comparatively small segmental loop arranged to fit the bottle neck near below its collar and its lower

ends united by a larger segmental loop adapted to fit the opposite side of the body of the bottle and having at its middle an eye; the lower member composed of a ring adapted to embrace loosely the lower end of the bottle and having a vertically disposed rod slidable in the eye and at the upper end formed with a segmental portion slidable on the vertical bars of the upper member and arranged to slide up to the collar of the bottle neck and there coact with the upper segment of the upper frame to form a ring about the neck of the bottle, and a vertically disposed handle connecting the upper and lower ends of the slidable bar and suitably offset away from the latter intermediate its ends.

- 1,407,481. BUNDLE TIER. FRANK RADECHOVSKY, Milwaukee, Wis., assignor of one-half to Fred E. Lens, Milwaukee, Wis. Filed July 13, 1920. Serial No. 395,819. 14 Claims. (Cl. 100—31.)



1. In a machine of the class described, a support, a table carrying arm extended from the support, a work table pivoted on the arm, a cord tying mechanism, means urging said table about its pivot toward said tying mechanism, means movable through the table to dispose a cord around an article on the table, and feed the same by the tying mechanism, and means for operating the tying mechanism.

- 1,407,482. HOOK AND EYE. HENRY V. RAU, Brooklyn, N. Y. Filed Dec. 15, 1919. Serial No. 344,902. 3 Claims. (Cl. 24—226.)

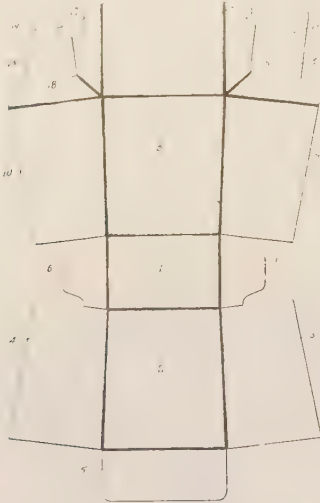


1. A hook and eye construction comprising: a round eye, a round hook substantially fitting the eye opening, a convex top portion on said hook, and a shank supporting said top portion at one edge thereof and formed to exert a camming action on said eye and move the opposite edge of the eye underneath the free edge of the hook when the eye is pressed over the top portion of the hook.

- 1,407,483. PAPER BUCKET. BERTON I. RIKE, Dayton, Ohio, assignor to The Rike Folding Box Company, Dayton, Ohio, a Corporation of Ohio. Filed Sept. 25, 1920. Serial No. 412,769. 2 Claims. (Cl. 229—26.)

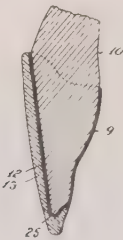
1. A bottom, an ear on either side thereof integral therewith, a side wall integral with said bottom, a side

flap on either side thereof, a top flap connected therewith opposite said bottom, a second side wall connected with said bottom, a side flap on one side thereof, a side flap on the other side thereof, a top flap connected to the second side wall, a handle member connected to one of the side flaps of the second side wall, a handle member



connected to the other of said side flaps of the second side wall a web integral with one of the handle members and said last-mentioned top flap, a second web integral with the second handle member and said last mentioned top flap, whereby when the bucket is assembled and the handle members joined to one another the top flaps will be forcibly held in position and securely sealed.

1,407,484. PROCESS OF MAKING ARTIFICIAL TEETH. JOSEPH ELON ROSE, Portland, Oreg. Filed Oct. 7, 1920. Serial No. 415,258. 7 Claims. (Cl. 22—196.)

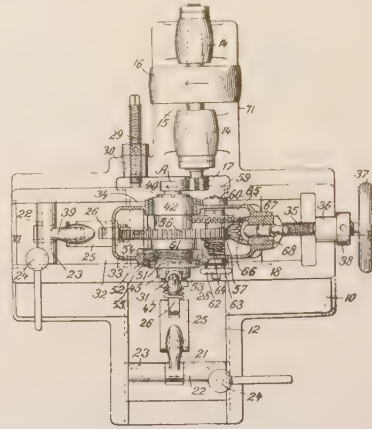


1. The process of preparing an artificial tooth which includes the operations of forming a crown with an open face, closing the open face with wax, shaping the front of the wax to receive a facing, casting a wall for the crown in place of the wax, and securing the facing to the front of said wall.

1,407,485. ATTACHMENT FOR MILLING OR GRINDING MACHINES. ANTHONY C. P. RUSSEN, Newark, N. J. Filed May 17, 1919. Serial No. 297,825. 4 Claims. (Cl. 10—154.)

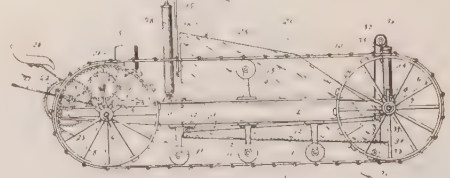
4. An attachment for milling and grinding machines comprising a base, a cutting or grinding tool mounted on the base, a casing for the article to be acted on, a plate mounted on the base and carrying the casing, means for moving the plate and casing longitudinally of the base, means for moving the casing transversely

along the plate, means for imparting a slow rotary movement to the article acted on in one direction, and



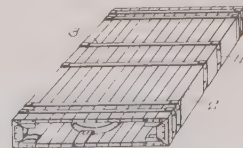
means for instantaneously separating the article acted on from the cutting or grinding tool, without imparting rotary motion thereto.

1,407,486. TRACTOR EXCAVATOR. OLOF S. SANDBERG, Minneapolis, Minn. Filed Feb. 8, 1919. Serial No. 275,913. 3 Claims. (Cl. 214—68.)



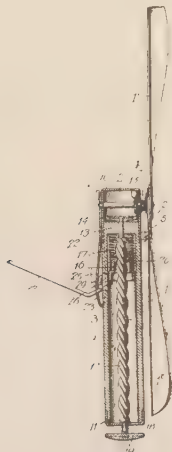
1. A tractor having laterally spaced frame beams, front and rear wheels, traction belts running over said front and rear wheels, an engine mounted on the rear portion of the tractor frame and having connections for driving said wheels, in combination with an excavating scoop located between said frame beams in front of said engine, and independent power devices for independently raising and lowering the front and rear ends of said scoop, said devices each being connected to said scoop by a single means disposed substantially in the longitudinal center thereof, to thereby move the same bodily in a vertical direction, or to impart angular movements thereto.

1,407,487. COLLAPSIBLE BARREL. PETER SCHEPP and JOHN FLACK, La Salle, Ill. Filed Jan. 12, 1921. Serial No. 436,661. 3 Claims. (Cl. 217—44.)



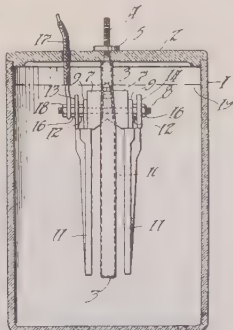
1. A container of the class described, comprising a plurality of staves arranged in cylindrical relation, flexible bands encircling the staves and secured thereto, and heads for the container made in two parts pivoted together and one of which is of cam form for maintaining the container in cylindrical form by coacting with pressure against the staves.

1,407,488. FAN. ALBERT Z. SEROR, Chicago, Ill., assignor of one-half to Edward J. Hoyer. Filed Mar. 27, 1918. Serial No. 224,945. 10 Claims. (Cl. 230—33.)



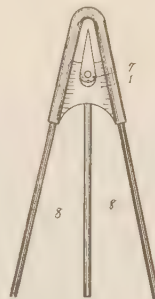
1. In a fan, the combination of a casing, a fan shaft mounted therein, a screw, a nut threaded thereto, said screw and nut being mounted, one so as to admit of rotary and limited endwise movement and the other so as to admit of reciprocating movement, means for reciprocating the latter, and gearing connecting said rotary member and fan shaft, the relation being such that movement of said reciprocating member will rotate said rotatable member, the initial movement of said reciprocating member to rotate said rotatable member imparting endwise movement to said rotatable member to effect engagement of the gearing connecting said rotatable member with the fan shaft, and the relation being such also that rotation of said rotatable member from said fan shaft by means of said gearing will operate through the screw threaded engagement of said rotatable member with said reciprocating member to effect disengagement of said gearing, substantially as described.

1,407,489. PRIMARY BATTERY. WILLIAM M. SHAKESPEARE, South Orange, N. J., assignor to New Jersey Patent Company, West Orange, N. J., a Corporation of New Jersey. Filed May 6, 1920. Serial No. 379,403. 7 Claims. (Cl. 204—38.)



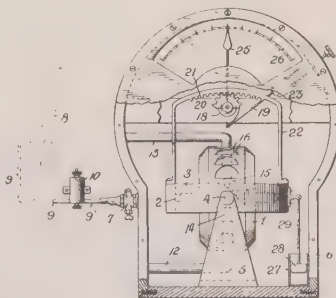
1. In a primary cell, an electrode consumable in the operation of the cell, and an indicating element also consumable in the operation of the cell, the extent of consumption of said indicating element during the operation of the cell having a predetermined relation to the extent of consumption of said consumable electrode, substantially as described.

1,407,490. EASEL FOR FLORISTS' USE. CHARLES SMITH, Providence, R. I. Filed Sept. 15, 1921. Serial No. 500,935. 4 Claims. (Cl. 248—41.)



1. An easel comprising a head composed of two separable members each member provided on its interior face with grooves disposed in opposite converging planes, and with a perforation located between said grooves, said grooves and perforations, in each member registering with the corresponding grooves and perforation in the other member when the two members are joined, one of said members also provided on its exterior face with lateral extensions of differing height, the outer end of each extension grooved and cut away at an angle to the plane of said member, said grooves in said members and extensions arranged and adapted to receive supporting legs, all in combination with each other and with supporting legs and means for clamping said head members and supporting legs firmly together.

1,407,491. TURN INDICATOR. ELMER A. SPERRY, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Jan. 24, 1920. Serial No. 353,739. 42 Claims. (Cl. 33—204.)

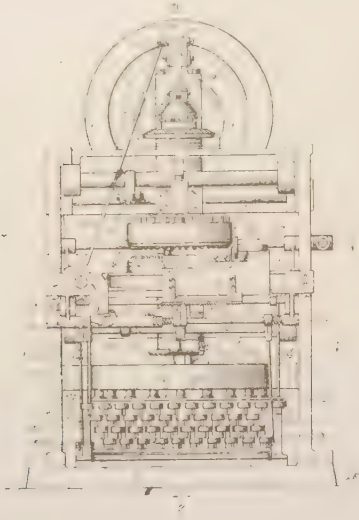


1. A gyroscopic turn indicator comprising a closed casing, a gyroscope comprising a rotor and means for mounting same in said casing for precession about an axis, means for drawing air through the casing when the casing is moved relatively to the air, means for causing said drawing of air through the casing to rotate said rotor, and an indicator connected with said gyroscope for showing precession of the gyroscope away from its normal position.

1,407,492. EMBOSSING MACHINE. CLARENCE E. STEERE, Chicago, Ill., assignor to The Speedumatic Company, Chicago, Ill., a Corporation of Delaware. Filed Mar. 19, 1920. Serial No. 367,121. 39 Claims. (Cl. 197—6.6.)

1. An embossing machine comprising a rotatable die-carrying wheel, a series of dies carried by said wheel, a plurality of stops for selectively stopping said die-carrying wheel in any selected position, means whereby when said die-carrying wheel is stopped by one of said

steps, one of said dies will be operated, means for returning said stop, a friction brake for holding said die-



carrying wheel after said stop has been returned, and means for applying said brake before said stop is returned.

1,407,493. PUMP AND METHOD OF PACKING THE SAME. ROSCOE W. STEPHENS, Los Angeles, Calif. Filed Feb. 24, 1919. Serial No. 278,635. 7 Claims. (Cl. 103-80.)

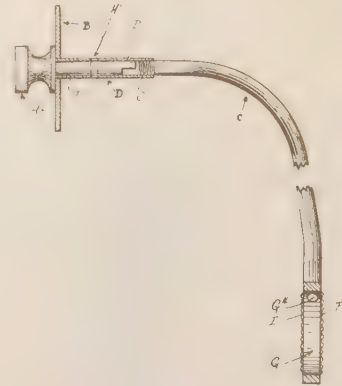


6. In an inserted pump, the combination of a lubricant reservoir connected with the working barrel of the pump to feed lubricant thereto, the surface of the lubricant in the reservoir being exposed to the pressure of the fluid being pumped.

1,407,494. AUXILIARY AIR-INLET DEVICE FOR EXPLOSION ENGINES. WESLEY E. STEPHENS, Elgin, and JOHN HOELZEL, Chicago, Ill. Filed Oct. 24, 1919. Serial No. 333,104. 2 Claims. (Cl. 48-180.)

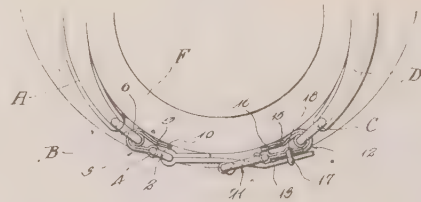
2. An auxiliary air inlet device for explosion engines comprising a narrow flat gasket having a through transverse opening and adapted to be interposed between the outlet of a carburetor and the intake of a manifold, with said transverse opening constituting part of the thorough-

fare from the carburetor to the intake manifold, screens applied to the ends of said transverse opening to form a narrow chamber in the gasket bounded by said screens, an elongated air conduit entering the upper side of said chamber in a direction substantially parallel to the plane



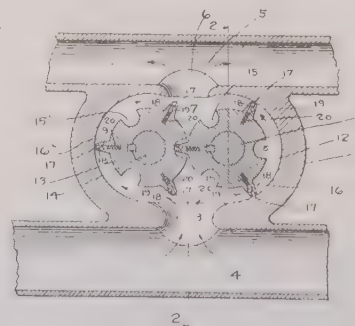
of said screens and oblique to the plane of the axis of said chamber, the screen at the manifold side of said chamber being of substantially finer mesh than that of the other screen, and a finely graduated valve at the outer end of the pipe adjacent to the engine operator's position and in a zone of clean air to control inlet of air to said chamber.

1,407,495. HAME FASTENER. SAMUEL CARL STIMSON, Lewisville, N. C., assignor of one-half to William Walker Smoak, Winston-Salem, N. C. Filed Apr. 15, 1921. Serial No. 461,710. 3 Claims. (Cl. 54-28.)



1. A hame fastener comprising a pair of resilient hooks for permanent engagement with the usual loops on the lower ends of the hame sections, the free ends thereof being flared to facilitate engagement thereof with said loops, said ends when in use bearing against the collar and prevent possible disengagement of the hooks from the loops, a strap carried by one hook, and a co-acting buckle for the latter carried by the remaining hook.

1,407,496. ROTARY PISTON PUMP. LEONIDAS P. STOREY, St. Paul, Minn., assignor to Waterous Fire Engine Company, St. Paul, Minn., a Corporation of Minnesota. Filed May 2, 1921. Serial No. 466,008. 7 Claims. (Cl. 103-44.)



1. A rotary piston pump comprising a casing having a piston chamber provided with intake and discharge open-

ings, rotary pistons mounted in said chamber, said pistons having peripheral teeth and recesses alternately formed therein, the teeth of one piston being adapted to enter the recess of the adjacent piston as they are revolved and said teeth being comparatively thin and occupying only a portion of the space in said recess, the pistons being in continuous peripheral contact except just before, while and just after the teeth pass the center, at which time only the teeth are in contact with the wall of the recess, whereby only a small volume of the water in said recess will be displaced, for the purpose specified.

- 1,407,497. COMBINED CASE AND EASEL FOR PHOTOGRAPHS OR OTHER PICTURES. ABRAHAM SUSSMAN, Philadelphia, Pa., assignor to A. Sussman & Co., Philadelphia, Pa., a Firm composed of Abraham Sussman. Filed Sept. 19, 1921. Serial No. 501,862. 4 Claims. (Cl. 40—148.)



1. In a combined case and easel, a back piece, foldable side flaps thereon, means for primarily interlocking said flaps, a foldable flap on the upper end of the back piece, a picture mounting piece connected with said upper foldable flap, and a tongue on said mounting piece adapted to engage said interlocking means and to retain the front and rear members of the device distended in easel condition without a base piece.

- 1,407,498. METHOD OF ILLUSTRATION. ROBERT MORRIS SUTPHEN, Newark, N. J., assignor to Bi-View, Limited, New York, N. Y., a Limited Liability Partnership of New York. Filed May 16, 1921. Serial No. 470,029. 31 Claims. (Cl. 41—20.)

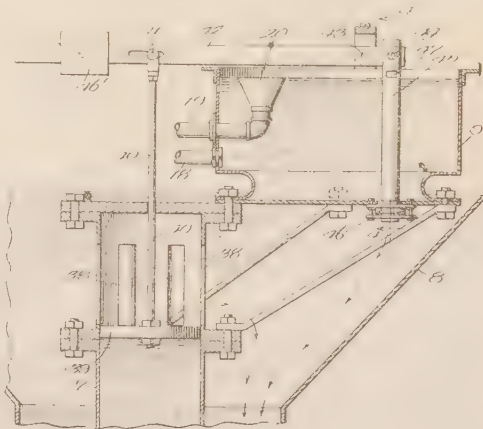


1. A method of preparing illustrations of inventions which consists in showing one aspect of the invention on one side of a translucent sheet and another aspect thereof on the other side of the sheet, the two aspects forming a composite view when held to the light.

- 1,407,499. LIQUID-TREATING APPARATUS. INOS B. TANNER, Chicago, Ill., assignor to Jos. E. Nelson & Sons, Chicago, Ill., a Copartnership. Filed July 23, 1921. Serial No. 487,122. 4 Claims. (Cl. 210—18.)

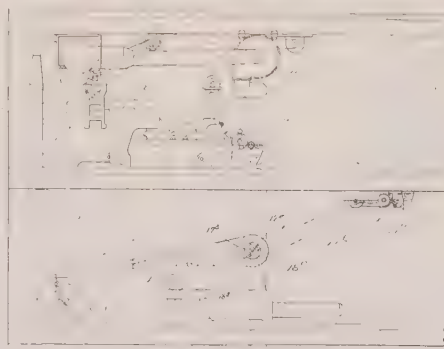
1. Liquid treating apparatus including a source of liquid furnishing liquid to be treated under pressure; a pipe communicating with said source; a valve in said pipe operated by the liquid, the pipe having a port closed by said valve and also opened to varying extents by the valve according to the pressure exerted upon the valve by the liquid; a settling chamber into which the liquid

to be treated is discharged through said port; a chemical tank; and a chemical pipe movable up and down and having a port at one end near the level of the chemical in the chemical tank and communicating with the chemical tank to receive chemical therethrough, said chemical pipe discharging at its other end into the settling chamber, said chemical pipe being connected with the aforesaid



valve to increase the extent of the port in the chemical pipe through which chemical may flow as said valve increases the extent of the liquid port through which liquid to be treated may flow, the parts being arranged to maintain substantially fixed proportion of liquid and chemical irrespective of the rate at which they flow.

- 1,407,500. COTTON-PREPARING MACHINERY. ARTHUR S. THOMAS, Whitney, S. C. Filed Jan. 15, 1921. Serial No. 437,487. 5 Claims. (Cl. 19—7.)

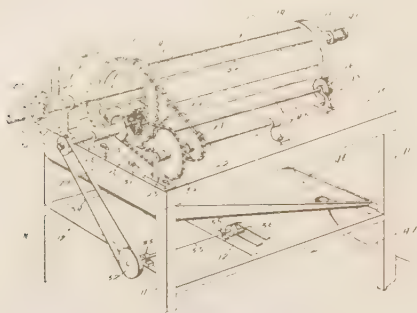


1. In cotton-preparing machinery, the combination with a bale-breaker, variable-speed driving means therefor, a series of feed-hoppers, and means by which the fiber is conveyed from the bale-breaker and distributed to the said hoppers, automatically delivering to the respective hoppers at a rate controlled by the contents of the individual hoppers, of means controlled by the contents of the last hopper and in turn automatically controlling the said variable-speed driving means and thereby regulating the rate of delivery of fiber from the bale-breaker to the distributor system.

- 1,407,501. MACHINE FOR WASHING AND POLISHING FRUIT AND VEGETABLES. FRED L. WEBSTER, Adams, N. Y. Filed Oct. 19, 1921. Serial No. 508,767. 7 Claims. (Cl. 146—14.)

1. A device of the class described comprising a base, a washing chamber revolvably mounted thereon, a claw

ing member revolvably mounted and disposed within said chamber, means for rotating said chamber and cleaning

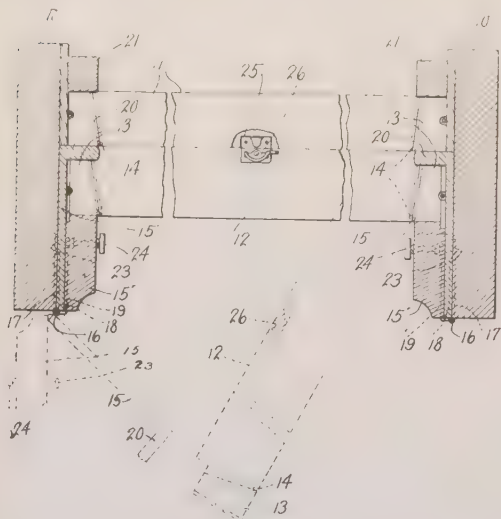


member, a polishing member suspended within said chamber, and a spiral arranged within said chamber.

1,407,502. DETERGENT. OTIS M. WEIGLE, Fulton, Mo. Filed Mar. 16, 1920. Serial No. 366,394. 2 Claims. (Cl. 87—5.)

2. A detergent, consisting of corn meal 85%, a mixture of powdered soap and sodium carbonate 14%, and boracic acid 1%.

1,407,503. WINDOW. GODFREY B. WETTSTEIN, Portland, Oreg. Filed Nov. 27, 1920. Serial No. 426,741. 2 Claims. (Cl. 20—50.)

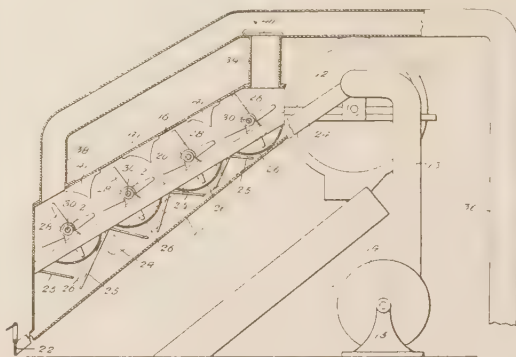


1. A window construction comprising a casing, upper and lower sashes slidably mounted on said casing, each sash including an intermediate section and hinged side sections hinged upon the opposite and corresponding edges of the intermediate section and means co-operating with said hinged sections to allow said sashes to be swung inwardly either singly or in unison from either side of the casing, and means for locking said sashes together, either in their normally closed position, or when arranged one behind the other.

1,407,504. COTTON-CLEANING APPARATUS. FRENCH B. WILLIAMS and BENJAMIN F. ADAMS, Dallas, Tex. Filed Nov. 13, 1920. Serial No. 423,926. 3 Claims. (Cl. 19—93.)

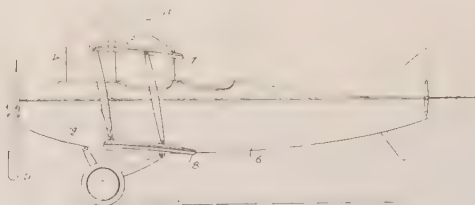
1. In a device of the class described, a series of perforated elements spaced apart, a rotary cleaning device

mounted above each perforated element, and deflecting plate members arranged in pairs, with the upper edges of members of corresponding pairs converging between



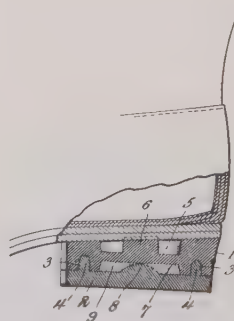
the perforated elements, and the lower edges of the members of adjacent pairs converging below the respective perforated elements.

1,407,505. AEROPLANE. SEAMAN A. WILLIAMSON, Point Richmond, Calif. Filed Feb. 12, 1921. Serial No. 444,406. 2 Claims. (Cl. 244—15.)



1. In an aeroplane, a body portion, a pair of sustaining planes mounted thereon, one of said planes being slotted, a main driving propeller, an auxiliary propeller, a sectional engine shaft for driving said main propeller and said auxiliary propeller, a clutch mounted on said sectional shaft for alternately throwing said auxiliary propeller into and out of engagement with said engine shaft, a frame positioned within the body portion of said aeroplane for supporting said auxiliary propeller, and means under the control of an occupant for rocking said frame to cause said auxiliary propeller to assume different angular positions.

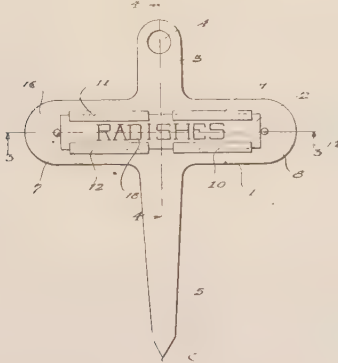
1,407,506. CUSHION HEEL. GEORGE J. WINTER, Buffalo, N. Y. Filed May 16, 1921. Serial No. 469,995. 2 Claims. (Cl. 36—35.)



1. In a cushion heel, the combination of an upper section, a chamber formed in the upper face of said section, a boss formed in said chamber and slightly longer than the depth of the chamber, a chamber formed on the lower face of the section, apertures formed in

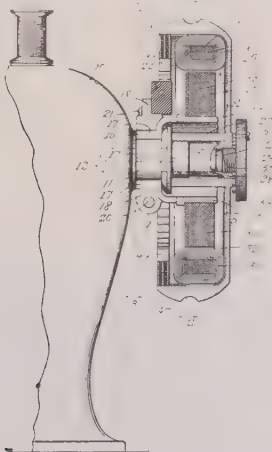
the lower face of the section adjacent the chamber, a lower section adapted to be secured to the upper section, projections that seat in the apertures of the upper section, and a boss formed in the center of the lower section and constructed and arranged to enter the lower chamber of the upper section and rest directly below the boss of said last-named section.

1,407,507. PLANT MARKER. HANS ZOPFF, Monroe, Mich. Filed Oct. 30, 1920. Serial No. 420,697. 1 Claim. (Cl. 40—10.)



A device of the class described comprising a relatively flat body formed from a single piece of material and including a stake, cross arms extending at right angles from opposite ends of said stake and provided with elongated openings, a head extending from the opposite end of said stake and provided with an enlarged opening, a name plate bearing suitable indicia engaging said stake, a plurality of guides extending from opposite edges of said opening and engaging said plate, and bodies struck forwardly from said cross arms adjacent to the ends of said plate.

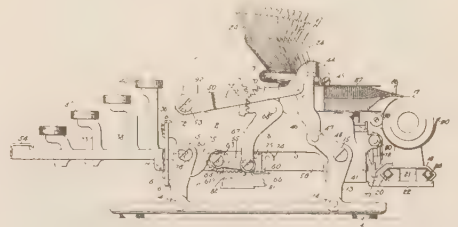
1,407,508. ELECTRIC MOTOR. VINCENT G. APPLE, Dayton, Ohio. Filed Aug. 6, 1919. Serial No. 315,771. 1 Claim. (Cl. 172—36.)



In a device of the character described a fixed hub; a shaft rotatable therein and projecting therebeyond in combination with a cup-shape member supporting a motor element and having a split ring part overlying said hub and rotatable thereon, a clamping ring overlying the split ring part of the cup-shape member and rotatable thereon; a brush holder mounted on the clamping ring

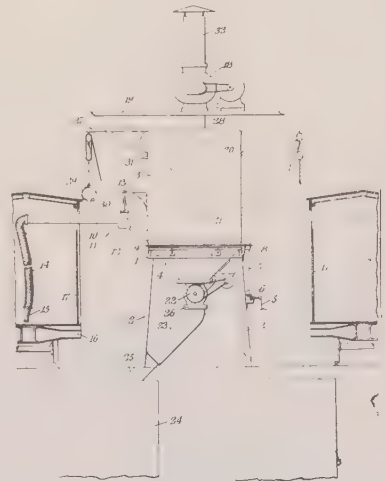
and means to contact both said rings to independently adjust and fix the motor element and the brush holder to the fixed hub.

1,407,509. TYPEWRITING MACHINE. JOHN H. BARR, New York, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed July 6, 1918. Serial No. 243,587. 31 Claims. (Cl. 197—186.)



1. In a compactible typewriting machine, the combination of a set of type bars, a set of keys for operating said type bars, means for changing the formation of said set of type bars to an extended formation ready for use and to a compacted formation, and connected means for changing the formation of said set of keys.

1,407,510. APPARATUS FOR UNLOADING GRAIN. CECIL BENTHAM, Manchester, England, assignor to Henry Simon Limited, Manchester, England, a Corporation of Great Britain. Filed June 11, 1920. Serial No. 388,218. 3 Claims. (Cl. 302—34.)

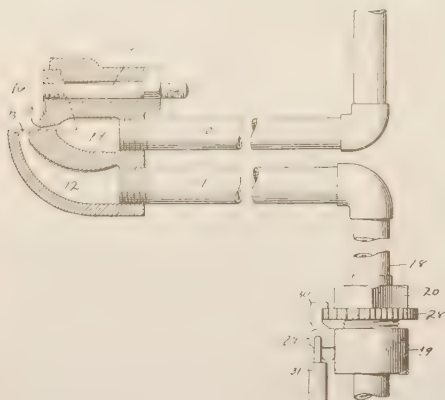


1. A device for handling granular material, comprising a rotatable receiver, means for rotating said receiver about a vertical axis, a tubular member rigidly connected to the side of said receiver and communicating therewith, a conduit pivotally connected to said tubular member and adapted to be swung about its pivotal connection to and from an extended position with respect to said tubular member, and means for relieving pressure within said receiver whereby the material to be handled is drawn into said receiver through said conduit and tubular member.

1,407,511. LIQUID-FUEL-BURNING APPARATUS. WILLIAM N. BEST, Brooklyn, N. Y., assignor to W. N. Best, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 27, 1919. Serial No. 347,774. 4 Claims. (Cl. 158—75.)

1. The combination with a liquid fuel burner having a liquid fuel outlet and an expansive fluid outlet delivering

thereacross to spray the liquid fuel into the combustion chamber, of means for controlling the delivery of liquid to its outlet including a pair of separable coupling members in the supply conduit to said liquid fuel outlet and independent of the supply conduit to said expansive fluid



outlet, and a thimble secured in one of said coupling members but unattached to the other, and having a passage therethrough of predetermined cross-sectional area, materially smaller than the liquid fuel outlet of the burner.

1,407,512. CUE. ROBERT F. BOLAM, Trafford, Pa. Filed May 13, 1920. Serial No. 381,127. 3 Claims. (Cl. 46—9.)

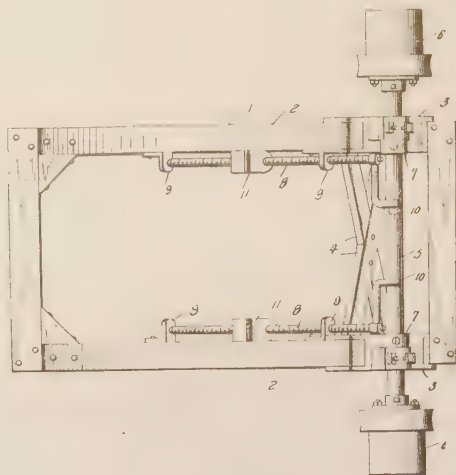


1. In combination, a tip of the class described having a projection, a holder having a recess receiving said projection, said holder having a flange at the entrance to the recess to directly engage said projection, a key associated with the projection having a bridge portion, said flange being provided with a slot to receive said key to prevent relative turning of the tip and holder, and said bridge portion of the key resting on the stick.

1,407,513. MEANS FOR USING AUTOMOBILE POWER INDUSTRIALLY. RAY F. BOSARD, Knoxville, Pa. Filed Mar. 30, 1921. Serial No. 456,850. 2 Claims. (Cl. 74—106.)

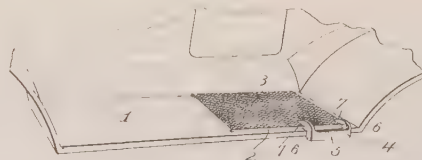
1. An appliance for utilizing the power of an automobile for driving light machinery, the same comprising a frame including inclined ways, a transverse shaft mounted upon the frame and having pulleys at opposite ends to engage frictionally with the drive wheels of the automo-

bile, threaded rods mounted on the inner sides of the inclined ways, and stops mounted on the threaded rods



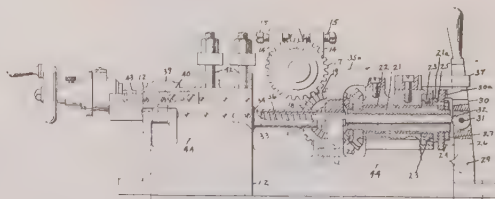
and maintained in operative position by engaging the inner sides of the inclined ways and movable on the rods and along the inclined ways by rotation of said rods.

1,407,514. ATTACHMENT FOR RUNNING BOARDS OF AUTOMOBILES. GEORGE SIDNEY BOWES, Newcomertown, Ohio. Filed Sept. 29, 1920. Serial No. 413,532. 3 Claims. (Cl. 280—164.)



1. An attachment for the running board of a vehicle, comprising a metallic tread plate and a scraper near one end of said plate and spaced from the free edge thereof, said scraper having end members disposed at right angles to the body of the scraper and adapted to abut against the front edge of the running board, and lugs connecting said end members of the scraper with the running board.

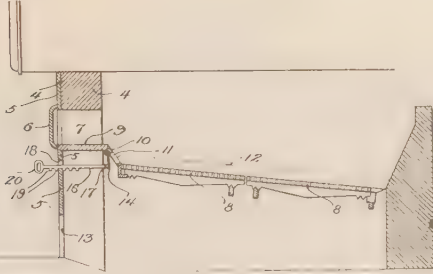
1,407,515. LATHE OR MILLING-MACHINE ATTACHMENT. EUGENE S. BRADFORD, Jackson, Mich. Filed Nov. 1, 1920. Serial No. 420,874. 6 Claims. (Cl. 82—19.)



1. A lathe or milling machine attachment, having, in combination with a driver head, an idler gear rotatably journaled therein, a sleeve member having operative engagement with said idler gear, a cam member keyed to the opposite end of said sleeve member from that which engages said idler gear, a pivoted lever member adapted to be operatively engaged by said cam member, a connecting rod engaging within said sleeve, being connected

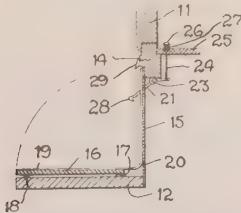
at one end with said lever, a slide member, to which the other end of said connecting rod is attached, and a post for supporting a master tool, supported on said slide member.

- 1,407,516. ADJUSTABLE AIR-SHUTTER CONSTRUCTION FOR FURNACES. LESTER BUDD, Philadelphia, Pa. Filed Nov. 24, 1919. Serial No. 340,343. 1 Claim. (Cl. 110—75.)



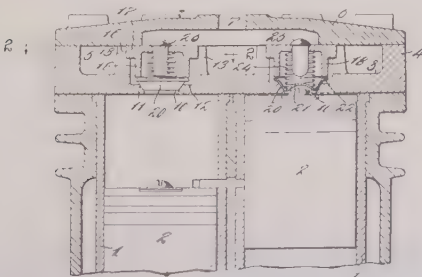
In a furnace, a depression plate having a slotted portion slanting downward from the firing door; a shutter positioned under said depression plate; and means having a portion extending outside of said furnace and operative to move said shutter into and out of engagement with the lower face of said slotted slanting portion; substantially as described.

- 1,407,517. STEP CONSTRUCTION FOR AUTOMOBILES. JAMES CHURCHWARD, Lakeville, Conn., assignor of one-half to Robert S. Blair, Stamford, Conn., and one-half to Louise Churchward, Lakeville, Conn. Filed Aug. 20, 1917. Serial No. 187,124. 7 Claims. (Cl. 280—166.)



1. In construction of the class described, in combination with an automobile, a step extending below the door of said automobile, a connecting member between said step and the body of said automobile, a covering member extending downwardly over said connecting member and thence outwardly over said step and means adapted to fold the horizontal portion of said covering member upwardly toward the upright portion thereof.

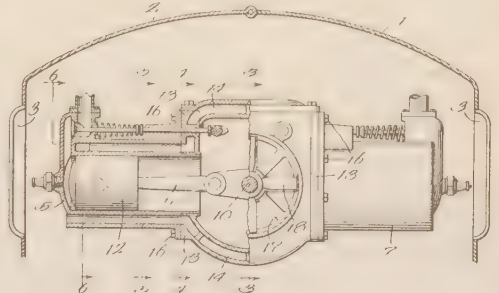
- 1,407,518. COMPRESSOR. JAMES H. DENNEDY, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 28, 1920. Serial No. 406,593. 12 Claims. (Cl. 230—34.)



1. In a compressor, an outlet valve comprising a tapered, outwardly facing seat, a movable valve member

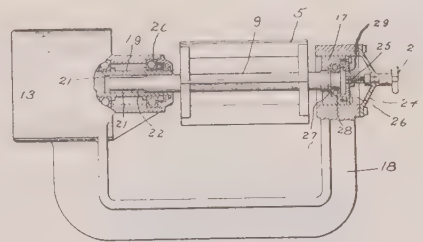
located on said seat and consisting of a circular, hollow, sheet-metal disk having tapered sides, a retaining member overlying said valve member and adapted to limit its displacement, and spring means located beneath said retaining member and engaging said valve member.

- 1,407,519. INTERNAL-COMBUSTION ENGINE. HARRY A. DOUGLAS, Bronson, Mich. Filed Dec. 30, 1919. Serial No. 348,414. 6 Claims. (Cl. 123—171.)



1. An internal combustion engine including a crank case; engine cylinders between which said crank case is disposed, said engine cylinders having flues for the flow of cooling air extending along these cylinders and formed in the metal thereof, these flues being disposed in annular rows about such cylinders, said crank case having an air passage of annular form at the ends of the crank case, these annular ends of the latter air passage being of diameter similar to the diameter of the rows of flues pertaining to the cylinders with which flues said annular ends of said air passage are in communication; and engine operated means for effecting forced passage of air through the air passages pertaining to the engine cylinders and crank case.

- 1,407,520. MOLDING MACHINE. ROBERT D. EAGLESFIELD, Indianapolis, Ind., assignor to Anton Vonnegut, Indianapolis, Ind. Filed Apr. 24, 1919. Serial No. 292,371. 4 Claims. (Cl. 144—114.)

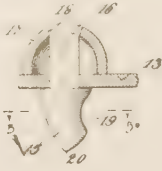


1. In a molding machine, a motor, a hollow sleeve in said motor, a rotor carried by said sleeve, a shaft entering said sleeve, means for causing said shaft to rotate with said rotor and have independent longitudinal movement thereof, a cutter head carried by said shaft, a slidably mounted ball bearing housing connected to one end of said shaft, an adjusting screw adapted to move said housing for adjusting the same, a cap on said housing into which the screw threads, and a stationary frame through which the screw extends.

- 1,407,521. CAN OPENER. MORRIS EHRLICH and LOUIS EHRLICH, Brooklyn, N. Y. Filed June 14, 1921. Serial No. 477,359. 5 Claims. (Cl. 30—3.)

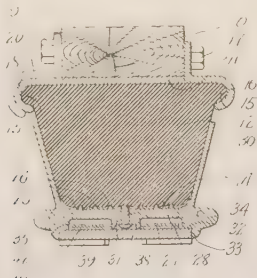
1. A tool for opening sheet metal cans, comprising a handle in one piece having a semi-circular range of in-

tegral teeth at one end, a cutter carrier pivoted to the toothed end of the handle and extending therefrom pro-



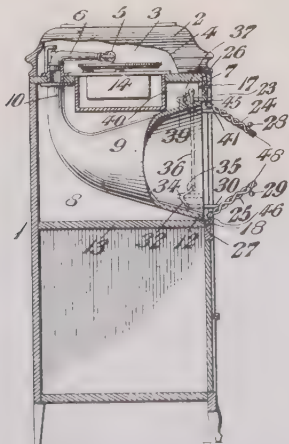
vided with a rectangular opening in its free end, a cutter having a shank fitting said opening, and a knob permanently secured to said shank.

1,407,522. ANTISLIP ARMOR FOR CUSHION TIRES. HENRY S. ESCH, New York, N. Y. Filed Nov. 29, 1920. Serial No. 426,989. 4 Claims. (Cl. 152-4.)



1. In a device of the class described, the combination with a plurality of frames having retaining elements engageable with the sides of a tire, a plate in each frame adapted to engage the periphery of the tire, tread plates secured to said frames and means for connecting said elements over the tire.

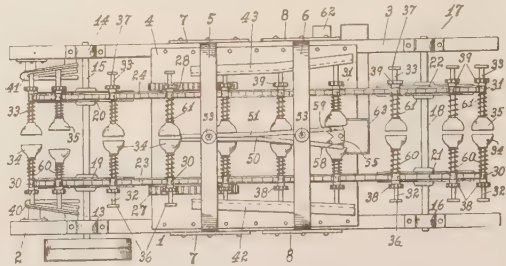
1,407,523. TONE-MODULATING DEVICE FOR TALKING MACHINES. ERNEST HAYWARD FAIRBANKS, Merchantville, N. J. Filed Jan. 10, 1920. Serial No. 350,580. 5 Claims. (Cl. 274-2.)



1. The combination of a talking machine cabinet, a door frame for the sound exit portion thereof and tone modulat-

ing doors pivoted at their outer edges in said door frame and having their inner juxtaposed edges abutting when closed and disposed in alignment.

1,407,524. FRUIT-PITTING MACHINE. RICHARD FOURCHY, Alameda, Calif. Filed Oct. 27, 1920. Serial No. 420,007. 6 Claims. (Cl. 146-6.)

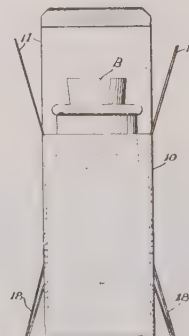


1. In a fruit pitting machine, a pair of cups, means for advancing said cups, means for spreading said cups apart to receive the fruit, means for closing said cups upon the fruit, cutting knives for cutting the fruit in half around the pit as the cups are advanced, means for spreading the cups and the halves of the fruit therein, and a gouging knife at the rear end of said cutting knives in the path of travel of fruit in said cups for gouging the pit out of the spread fruit.

1,407,525. PLATINUM ALLOY. FRANK B. FRY, Newark, N. J., assignor to the H. A. Wilson Company, a Corporation of New Jersey. Filed Apr. 2, 1920. Serial No. 370,805. 3 Claims. (Cl. 75-1.)

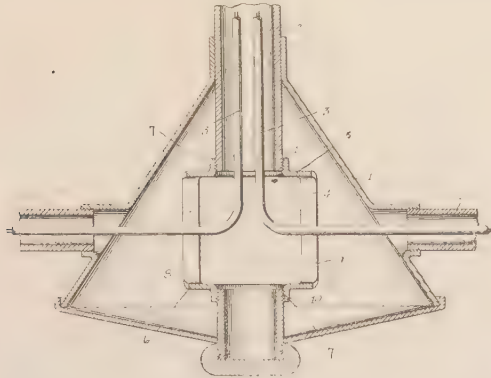
1. An alloy of platinum and molybdenum in which the proportion of platinum is in excess of 85% and the proportion of molybdenum is less than 15%.

1,407,526. CASING AND STAND. CHARLES G. GLOVER, Watertown, Mass. Filed Apr. 20, 1920. Serial No. 375,282. 6 Claims. (Cl. 206-44.)



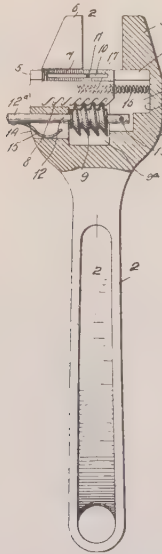
1. A casing having longitudinal slits and pre-disposed for transverse bending along lines adapted to produce a plurality of downwardly extending braces upon collapsing of the casing to transform the same into a stand.

1,407,527. ELECTRIC-FIXTURE FITTING AND METHOD OF MAKING SAME. DAVID GOLDICH, Winsted, Conn. Filed Aug. 27, 1920. Serial No. 406,469. 4 Claims. (Cl. 240—78.)



1. An electrical fitting of stamped sheet metal comprising a pair of spaced parallel plates, a plurality of integral arms connected with said plates, and a collar formed on each plate, said collar being internally threaded.

1,407,528. WRENCH. WILLIAM GORDON, Union, N. J. Filed Aug. 30, 1919. Serial No. 320,878. 3 Claims. (Cl. 81—157.)

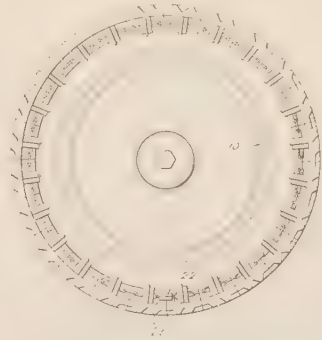


1. In a wrench, a suitable handle, a head, jaws one of which is movable relatively to the other in said head, a rack on said movable jaw, a screw spindle pivoted at one end in said head and extending outwardly beyond said head to form a finger grip, and a screw rotatably mounted on said spindle adjacent to the rack and adapted to engage the same to move the jaw upon rotation and also movable by the spindle outwardly and away from said rack to release the jaw.

1,407,529. ANTISKID DEVICE. FRANK A. GREENFIELD, Perry, Okla. Filed Apr. 9, 1921. Serial No. 460,106. 2 Claims. (Cl. 152—16.)

1. A non-skid shoe for vehicle tires comprising a plurality of separate sections, each of said sections being arranged transversely of the tire and formed with a transversely disposed depression, which, when the sections are

assembled forms an annular tire receiving groove, eyes carried at the outer ends of said sections, a flexible element threaded through the eyes, sockets located centrally of the annular tire receiving groove and extending in-

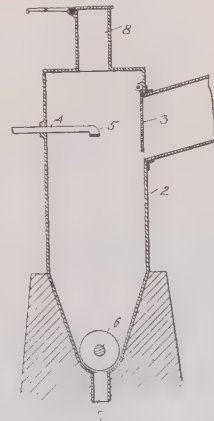


wardly from each edge of the sections and bars located within the sockets and extending from the socket of one section to the socket of the adjacent section to provide a flexible connection between the sections.

1,407,530. MANUFACTURE OF NITRIC ACID. PHILIPPE AUGUSTE GUYE, Geneva, Switzerland, assignor to Ferdinand Gros & Bouchardy, Paris, France, a Firm. Filed May 29, 1918. Serial No. 237,326. 6 Claims. (Cl. 23—1.)

1. The process of making concentrated nitric acid which consists in chemically reacting upon water and oxygen with such an excess of liquid nitrogen peroxide as is sufficient to keep the resulting aqueous phase saturated with nitrogen peroxide until the end of the reaction which takes place, the reaction being caused to take place at a temperature of about 30° C., and allowing the reaction to continue until there are two phases, one consisting substantially of nitric acid of high concentration and the other consisting substantially of nitrogen peroxide.

1,407,531. METHOD OF TREATING CHARCOAL. HENRY J. HABER, Cleveland, Ohio, assignor of thirty per cent to Paul North, thirty per cent to George M. Potter, and ten per cent to Worthington Hoyt, Cleveland, Ohio. Filed Apr. 18, 1918. Serial No. 229,463. 4 Claims. (Cl. 148—19.)



1. The method of continuously quenching charcoal which consists in supplying charcoal in heated condition to a closed receptacle, spraying the charcoal with a cooling solution, and continuously removing the charcoal from the lower portion of the receptacle after treatment.

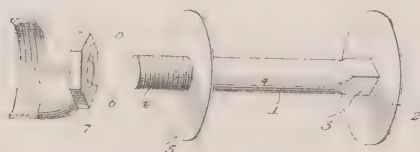
1,407,532. **CAPPED ARMOR-PIERCING PROJECTILE.** ROBERT ABBOTT HADFIELD, Westminster, and ALEXANDER GEORGE MCKENZIE JACK and AUGUSTUS BASIL HOLT CLERKE, Sheffield, England. Filed Nov. 28, 1919. Serial No. 341,034. 10 Claims. (Cl. 102—28.)



1. An armor piercing projectile having an ogival head of from 1.5 to 1.7 calibres radius and a solid cap extending nearly over the whole of the head of the projectile and having an external contour formed mainly of two arcs of about seven calibres or more in radius struck from centres so situated that the arcs if produced rearward would pass near to but outside the forward end of the body of the projectile for the purpose set forth.

10. An armor piercing projectile having an ogival head defined by arcs of relatively small radii, and a solid cap extending over approximately the whole head of the projectile, the weight of the cap being approximately twelve per cent of that of the combined cap and projectile.

1,407,533. **HUB ATTACHMENT.** LEE WILMER HENSLEY, Mexia, Tex. Filed Apr. 18, 1921. Serial No. 462,098. 2 Claims. (Cl. 242—95.)



2. A hub attachment comprising a spindle having one end screw threaded and the other end squared, a disc carried by each end of said spindle, and discs threaded on the screw threaded end of the spindle engaging the shoulder in the inner end of the thread, the screw threaded end of the spindle being adapted to engage the screw threaded hole formed in the hub cap and the outer end of the cap being provided with a flat surface for engaging the disc carried by the screw threaded end.

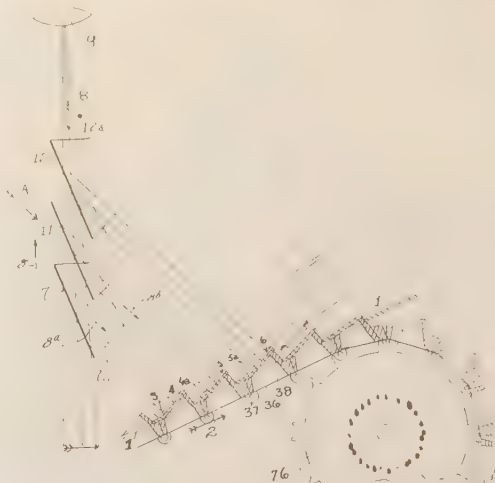
1,407,534. **LUMINOUS COMPOSITION.** FREDRICK N. HERING, New York, N. Y., assignor to Thomas Howard, New York, N. Y. Filed Sept. 15, 1919. Serial No. 323,806. 11 Claims. (Cl. 13—47.)

1. A composition adapted to produce a luminous effect, comprising zinc sulphate and sulphide, calcium carbonate and sulphide and barium sulphide, all intimately mixed in powdered form.

1,407,535. **MOTION-PICTURE CAMERA.** MYRON F. HILL, New Rochelle, and LEWIS D. HILL, Mount Vernon, N. Y., assignors of two-thirds to Edmond H. Lysle, New York, N. Y. Filed June 5, 1913, Serial No. 771,875. Renewed Dec. 29, 1921. Serial No. 525,744. 4 Claims. (Cl. 88—16.8.)

1. The method of taking continuous pictures which consists in moving a film having a series of sensitized surfaces attached by one edge of said film and arranged in parallel planes through a reflected field of illumination of a con-

tinuously open fixed lens system and maintaining the image of said lens system in focus in the planes of the exposed portions of said sensitized surfaces and the field of illu-



mination stationary with respect to said sensitized surfaces during the passage of said sensitized surfaces through said field of illumination of said lens system.

1,407,536. **WINDOW FRAME.** CLAYTON W. HODGEN, Kansas City, Kans. Filed July 8, 1918, Serial No. 243,960. Renewed Dec. 13, 1920. Serial No. 430,556. 3 Claims. (Cl. 20—11.)

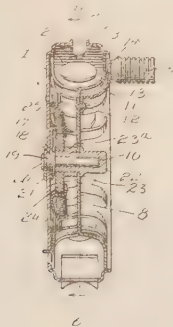


1. The combination with a wall having an opening, of a frame mounted in said opening and having a jamb section, and a section at right angles to the jamb section arranged to form with the wall and the jamb section a channel adapted to receive the edge of a sheet of plastic wall covering, substantially as set forth.

1,407,537. **FISHING-LINE REEL.** WALTER E. HODGES and CHARLES F. LARZELERE, Flint, Mich. Filed Mar. 25, 1920. Serial No. 368,521. 2 Claims. (Cl. 242—84.6.)

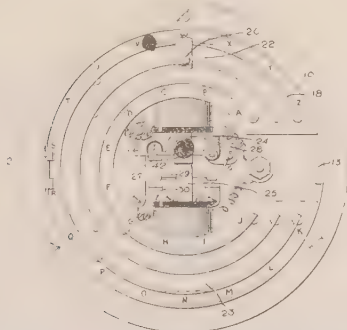
1. A reel of the class described comprising a body in the form of a circular plate having a plurality of radially extending fingers at its periphery, said fingers being bowed laterally and those on one side alternating with those on the other and forming in their entirety a ventilated line

carrying spool, a plate fixed at one end to one face of said circular plate adjacent the bases of said fingers and off-set outwardly and secured at its free end to said fingers,



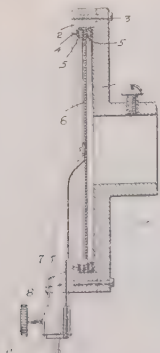
and a handle fixed to said plate adjacent the perimeter of said reel body, thereby obtaining maximum mechanical efficiency in the rotation of the reel.

1,407,538. LOCK. DILLON HOFFMAN and FRANK EASTON, New York, N. Y. Filed Jan. 11, 1921. Serial No. 436,469. 9 Claims. (Cl. 200-44.)



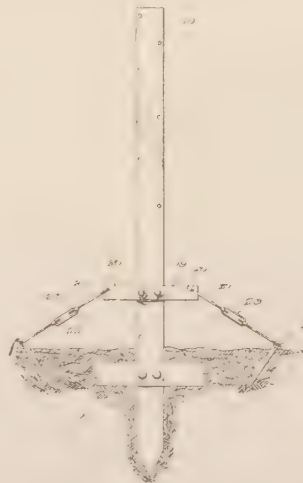
1. A lock, including a casing, a switch within said casing for closing a circuit, a secondary switch also within said casing for closing a circuit through an alarm, and further switches arranged in series with said first named circuit, and being adapted to be opened upon an actuation of said secondary switch.

1,407,539. REPRODUCER. VICTOR C. HOLLAND, Keene, N. H. Filed Nov. 17, 1920. Serial No. 424,670. 2 Claims. (Cl. 181-32.)



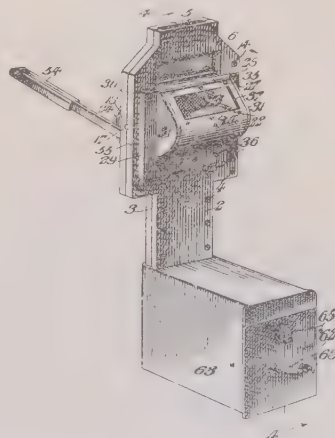
1. A reproducer diaphragm, comprising a base material of cotton rag formed into a cotton fibre sheet which is chemicalized by passing the same through a boiling solution of zinc chloride and afterwards vulcanized.

1,407,540. METALLIC FENCEPOST. CHARLES HOLSINGER, Kendallville, Ind. Filed July 12, 1919. Serial No. 310,295. 1 Claim. (Cl. 189-31.5.)



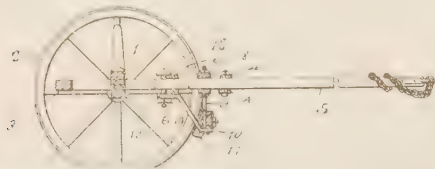
The combination of a fence post comprising a body T-shaped in cross section with the head of the T parallel with the line of the fence, means for securing fence wires thereto, a flat anchoring member set on edge and secured against the head of the T-shaped body with its ends projecting beyond the edges of said head, a supplemental anchoring member secured against the head of the T-shaped body above the first-mentioned anchoring member and provided with outwardly and downwardly inclined notches in its upper edge near its ends, anchoring stakes set at opposite sides of the body, said stakes and the supplemental anchoring member being in a plane parallel with the face of the T-shaped body, tie rods engaged at their upper ends in the notches in the supplemental anchoring member and at their lower ends around the heads of the anchoring stakes, and tension devices interposed in said tie rods intermediate the ends thereof.

1,407,541. COIN INDICATING AND CHECKING MECHANISM. JOSEPH V. HORN, Douglassville, Pa. Filed Dec. 4, 1920. Serial No. 428,412. 11 Claims. (Cl. 232-7.)



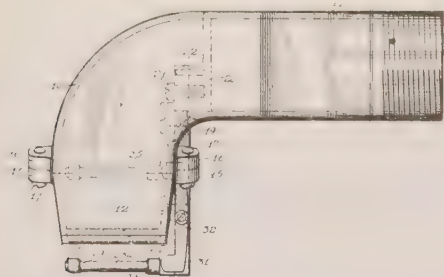
1. In a coin indicating and checking mechanism, a coin chute having a plurality of sight openings visible from the same side of the mechanism, said coin chute being formed by a plurality of members contributing to form a passage and a guide for a coin in such passage, and means to arrest the coins in their passage through the coin chute to successively render them visible through said sight openings.

1,407,542. AUTOMATIC WAGON BRAKE. WILLIAM L. HURSTON, Carrsville, Ky. Filed Apr. 12, 1918. Serial No. 228,192. 1 Claim. (Cl. 188—122.)



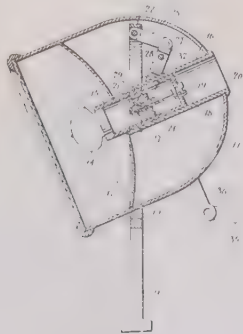
In combination, a wagon running gear including hounds connected by rear and front pairs of plates, and a draft tongue slidably connecting the hounds by said plates, upper and lower plates engaging the hounds and tongue between the first mentioned pairs of plates, rods connecting the upper and lower plates and depending below the lower plates, a brake beam secured to the rods, a bolt carried by the tongue to engage the rear pair of plates during a forward movement of said tongue, and an upwardly and rearwardly inclined member secured to the brake beam and to the bolt to apply the brake beam during a rearward movement of the tongue, said tongue having an opening to receive a pin to engage the rear pair of plates to lock the tongue against rearward movement.

1,407,543. FILM-DRYING NOZZLE. ROSCOE CONKLING HUBBARD, New York, N. Y. Filed Feb. 9, 1921. Serial 443,656. 2 Claims. (Cl. 34—48.)



1. A nozzle of the class described, having a pair of guide rollers adjacent to said nozzle, one of said rollers being adjustable toward or from the other, spring means exerting its force on the adjustable roller in a direction toward the other roller, and adjusting means to oppose said spring for positioning the adjustable roller.

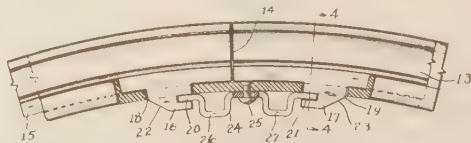
1,407,544. HEADLIGHT. JOHN M. HUNT, Charleston, W. Va. Filed Aug. 16, 1919. Serial No. 317,941. 7 Claims. (Cl. 240—61.)



1. The combination with a headlight casing mounted to tilt at an angle and having a front glass and a reflector

which are both fixed therein, of light producing means in the casing, a yoke held fixed within the headlight casing, and devices cooperating with the light producing means and connected to the fixed yoke for automatically shifting the light producing means to modify the focus of the latter by the movement of the headlight.

1,407,545. RIM. OTTO H. JOBSKI, Cleveland, Ohio, assignor to The Standard Parts Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 14, 1919. Serial No. 310,792. 4 Claims. (Cl. 152—21.)



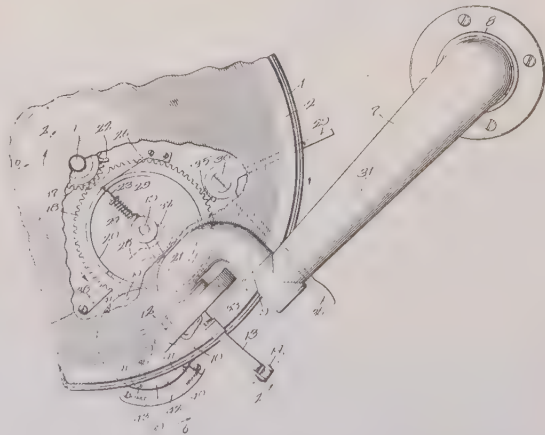
1. The combination of a tire-carrying rim having a circumferential groove therein, a split side ring having a part thereof seated in said groove and having lugs thereon extending through said rim, and a lever pivoted to said rim, the ends of said lever, in one position thereof, interlocking with said lugs to hold said ring in seated position, and the pivot of said lever and one of said lugs being spaced sufficiently to permit the application of operating means therebetween.

1,407,546. TWIST DRILL. FELIX ALEXANDER JOSEPH, Hong Kong, China. Filed Oct. 15, 1919. Serial No. 330,869. 3 Claims. (Cl. 77—70.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A twist drill in which the cutting portion of one lip alternates with the cutting portions of the other lip or lips so that the inner and outer annular zones are operated on by one and only one cutting edge, and the intermediate zone is operated on by more than one lip.

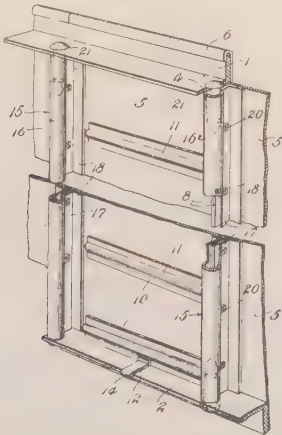
1,407,547. REPEATING MECHANISM FOR PHONOGRAPHS. EDWIN M. KELLOGG, Moline, Ill. Filed June 16, 1919, Serial No. 304,438. Renewed July 30, 1920. Serial No. 400,212. 14 Claims. (Cl. 274—15.)



1. A phonograph including a turn table for supporting a disc record; a spindle upon which the turn table is se-

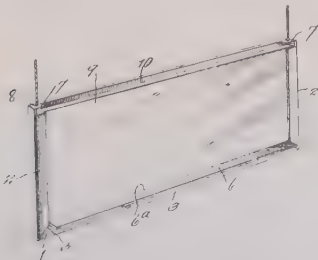
cured; mechanism for rotating the turn table spindle; a swinging tone arm structure overlying the turn table and inclusive of a stylus carrying sound box; a track between the tone arm structure and the turn table across a portion of which table the track extends toward the central portion of the turn table, the track being hinged at its outer end and so positioned that it may be lifted at its inner end to be inclined outwardly to lift the tone arm structure on the outward movement of the latter; and gearing in actuating relation to the track and located below the turn table and inclusive of an operating gear element upon the spindle below the turn table and operating to lift and outwardly incline the track to lift and occasion the outward movement of the tone arm structure when the latter is at the inner end of its movement and to lower the track structure out of lifting engagement with the tone arm structure when the latter is at the outer end of its movement.

1,407,548. SIGNBOARD. CHARLES E. KNOUFF, Canton, Ohio. Filed Mar. 19, 1921. Serial No. 453,792. 2 Claims. (Cl. 40—125.)



1. In a sign board of the character described, spaced strips, a plurality of flanged sheets supported on said strips, aligned apertures formed in abutting flanges on said sheets, a clamping strip designed to fit over said abutting flanges, apertures formed in said clamping strip and aligned with said first apertures, bolts extending through said aligned apertures and securing said sheets together and to said clamping strip, apertures formed in said spaced strips in alignment with said clamping strip and pins fitting through said last mentioned apertures and within said clamping strip and being held therein by frictional engagement therewith.

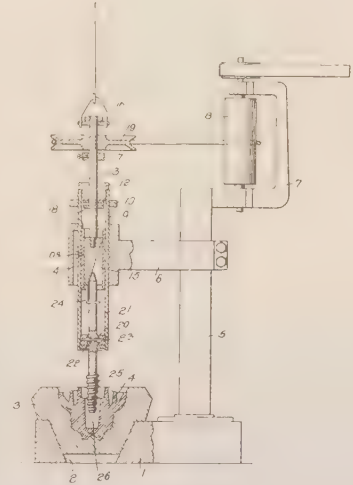
1,407,549. COUNTERBALANCING SASH FOR MAIN WINDOW SASHES. GEORGE W. LANCASTER, Richmond, Va., assignor to Perfected Window Company, Richmond, Va., a Corporation. Filed Sept. 7, 1920. Serial No. 408,629. 5 Claims. (Cl. 189—76.)



1. In improvements in a window structure, a main sash, an auxiliary sash movable in said main sash and

comprising a channel metallic frame which consists of a lower rail and two side or end stiles or rails having channels, the upper ends of the stiles having overbent lugs through which sash cords are adapted to be connected, and a pane engaging the channels of the side stiles and the lower rails.

1,407,550. METHOD AND MACHINE FOR FORMING IMPRESSIONS IN PLASTIC ARTICLES. JOHN LAPP, Rochester, N. Y. Filed Sept. 15, 1919. Serial No. 323,784. 24 Claims. (Cl. 25—3.)



1. A method of forming impressions in plastic articles which consists in gyrating a forming tool about the axis of the surface to be impressed but without rotation about its own axis and gradually varying the radius of the tool's gyration.

1,407,551. CAR BOLSTER. ELMYR A. LAUGHLIN, Oregon, Ill. Filed Nov. 12, 1921. Serial No. 514,674. 5 Claims. (Cl. 105—230.)



1. A bolster in channel form arranged with its open side down; side bearing members formed on the top of said channel adjacent to each end thereof; a longitudinal reinforcing web extending substantially centrally from each end of said channel inwardly substantially the full depth of said channel to a point beneath the corresponding side bearing member, the inner end thereof being beveled upwardly; a transverse reinforcing web arranged substantially centrally under each side bearing member extending across and substantially the full depth of said channel; and a bottom reinforcing plate extending from each end of said channel inwardly substantially the width thereof and joining with the bottom of said web, substantially as described.

1,407,552. FOUNTAIN PEN. RUDOLPH WM. LOTZ, Chicago, Ill., assignor to Adeline M. Kraker, Minneapolis, Minn. Filed Feb. 11, 1920. Serial No. 357,870. 5 Claims. (Cl. 120—46.)

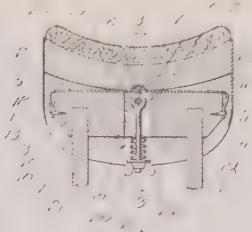
1. In a fountain pen of the kind specified, a pressure bar provided between its ends with a longitudinal slot,

an actuating lever pivotally mounted in the pen barrel and provided at one end with a projection engaging in the slot in the bar for preventing lateral movement or tilting of said bar, a spring secured at one end to said pres-



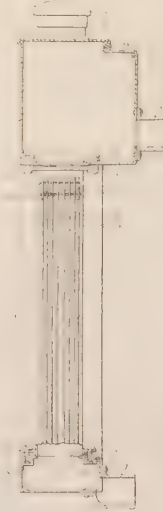
sure bar and engaging said lever between the spring ends for suspending said bar from said lever, and latching means associated with said lever and the pen barrel for holding said lever in closed position against the action of said spring.

1,407,553. CRUTCH. ALFRED B. LOUISON, Rockford, Ill. Filed Aug. 2, 1920. Serial No. 400,628. 13 Claims. (Cl. 135—52.)



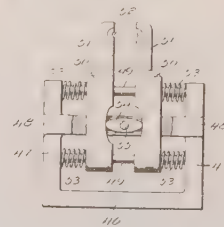
4. A crutch having, in combination, a staff, a bearing member mounted on said staff and having a substantially straight upper surface, a flat spring overlying the upper surface of said bearing member having an upward bend at its center portion and having its ends yieldingly secured to said bearing member, a top-piece having a curved lower surface and having a recess formed centrally thereof to receive the bend in said spring, a cross bar underlying said bend and attached to said top-piece, a central slot through said bearing member, a rod pivoted at one end to said cross bar and depending through said slot, a nut threaded on the other end of said rod, and a spring bearing between said nut and said bearing member.

1,407,554. RADIATOR. REID J. MCCREDIE, Buffalo, N. Y. Filed June 16, 1919. Serial No. 304,516. 2 Claims. (Cl. 257—130.)



1. A radiator formed of a plurality of water columns of zig zag formation vertically, and a plurality of air dividing vertical wings extending from opposite sides of each of said columns and in spaced relation from front to rear.

1,407,555. DRAWING AND SPINNING APPARATUS. BALDY MCGINNIS, Marshall, N. C. Filed Apr. 16, 1921. Serial No. 461,996. 3 Claims. (Cl. 19—32.)

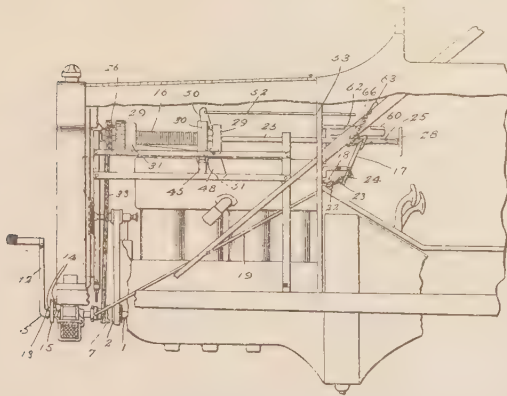


2. In an apparatus of the class described, including groups of drawing rolls in spaced relation, coating members between said groups of drawing rolls and having half guide recesses in their confronting faces, means for yieldably holding said members in face contact, and means for separating said members against the resistance of said yieldable holding means, to provide an unobstructed opening into which the rovings can be inserted from above when the members are separated.

1,407,556. AUTOMOBILE-ENGINE-STARTING MEANS. SAMUEL B. MCHENRY, Bloomsburg, Pa. Filed July 27, 1920. Serial No. 399,372. 3 Claims. (Cl. 185—41.)

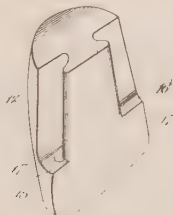
1. In engine starting means, the combination of an engine shaft, a rotary and endwise movable shaft, means to connect said rotary shaft with the engine shaft, manual means to move said shaft endwise, clutch-members fast on said rotary shaft, clutch members loose on the rotary shaft, means to hold one loose clutch member against retrograde rotation, movable means loose on the rotary shaft to automatically separate the members

of one clutch, a starting spring coiled about said shaft and connected at one end to said means and at its opposite



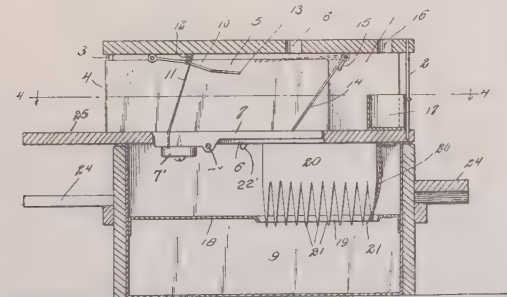
end to one loose clutch member, and manually-controlled means to detachably hold said clutch member against rotation.

1,407,557. INTERCHANGEABLE TOOTH. ROBERT J. McVICKER, New York, N. Y. Filed Feb. 21, 1921. Serial No. 446,694. 2 Claims. (Cl. 32—9.)



1. An interchangeable tooth comprising a facing portion, and a dovetail tenon integral with the rear portion of the tooth and having its rear face sloping from the neck of the tooth toward the cutting edge of the tooth and narrower at the neck of the tooth than it is toward the cutting edge thereof, the undercuts of said tenon being curved and extended to form cup-like seats, and said tooth being provided with shoulders adjacent to said seats.

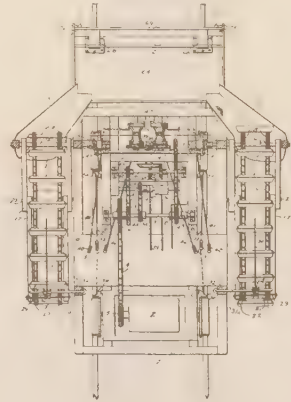
1,407,558. SELF-SETTING TRAP. JOSEPH JETER MARTIN, Nathalie, Va. Filed July 12, 1920. Serial No. 395,597. 4 Claims. (Cl. 43—69.)



1. A trap of the class described comprising a box having a passageway therein, the bottom of the passageway having an opening therein, a tiltable platform closing said opening, a weight normally holding the platform in horizontal position, a receptacle below the box for receiving the animals, a plate hinged at its front end to the top of the box and adapted to swing downwardly under the action of gravity to close the front end of the passageway, a guide at the top of the box and a flexible member pass-

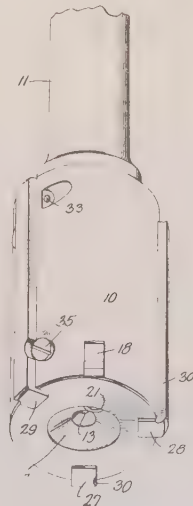
ing through said guide and having one end connected with the weighted end of the platform and its other end connected with the plate so as to hold the plate in raised position when the platform is in normal position.

1,407,559. POWER TRACK-BALLAST SHOVEL. JOHN MAXWELL, Camrose, Alberta, Canada. Filed July 24, 1920. Serial No. 398,789. 2 Claims. (Cl. 37—24.)



1. In power shovels, a body, running gear supporting said body, an endless carrier having scoop buckets and a chute delivery and supported in an elevated position at its rear end, means for raising and lowering the carrier at its scoop end, motive power for operating said carrier and running gear and means for collapsing and swinging said carrier from the side to the end of the body.

1,407,560. REAMER. SINGLETON A. MAXWELL, Montour Falls, N. Y., assignor of one-half to Forest J. Seeley, Wellsville, N. Y. Filed Feb. 19, 1920. Serial No. 360,019. 8 Claims. (Cl. 77—75.)

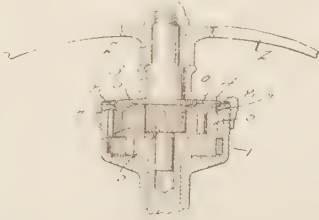


1. A reamer including a reamer body, a cutter carried thereby, and a plurality of centering guides for the reamer body projecting beyond the periphery thereof, one of said guides being yieldably sustained.

1,407,561. PLURAL-DISK CUSHION CLUTCH. FREDERICK M. MELVIN, La Plata, Mo. Filed Feb. 9, 1921. Serial No. 443,730. 2 Claims. (Cl. 74—39.)

1. A disk cushion clutch for use in regulating the operation of steering gears, comprising a ring-shaped

disk of thick material and of flexible character, and metal disks of similar shape in frictional engagement with the first-named disk, said disks being inclosed



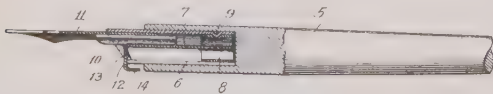
within the casing of and mounted on the steering gear the uppermost disk being frictionally engaged by the casing of the steering gear.

1,407,562. AUTOMATIC OUTLET VALVE FOR OIL-WELL CASINGS. CLYDE MOORE, Hominy, Okla., assignor of one-half to Howard B. Longworth, Hominy, Okla. Filed Mar. 23, 1921. Serial No. 454,786. 8 Claims. (Cl. 166—2.)



1. The combination with an oil well casing, of a tubing extending concentrically of the casing and communicating therewith at a point upwardly of its lower end, and a valve normally closing communication between the tubing and casing substantially as for the purposes set forth.

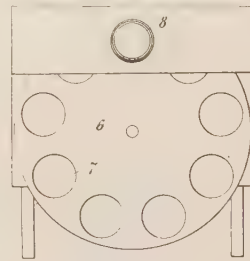
1,407,563. PENHOLDER. EMORY D. NICHOLS, Chicago, Ill. Filed Aug. 18, 1919. Serial No. 318,073. 5 Claims. (Cl. 120—101.)



1. In a pen holder, the combination of a handle having a recess, a socket secured in said recess, and a pen securing device comprising a resilient shank, means for securing said shank at its inner end in said socket, jaws on the outer end of said shank for cooperating with the roof of said socket to receive a pen point, a downwardly extending section adjacent the outer end of said shank, inwardly extending latch projections on said downwardly extending section, said securing device being of resilient material and said shank being normally held down with said latch projections below the floor of said socket at the outer edge thereof, upward pressure on said downwardly extending section causing said latch projections to be

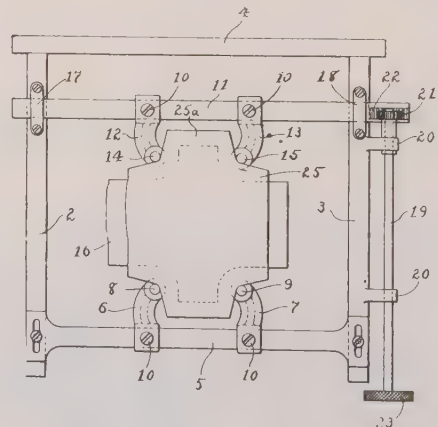
raised above the floor of said socket and to be sprung inwardly to engage against the top of said floor, said upward pressure causing bending of said shank to clamp a pen point between said jaws and the roof of said socket and said latches holding said jaws in raised clamping position.

1,407,564. APPARATUS FOR DISPLAYING LIGHT ADVERTISEMENTS. BERTEL AAGE NIELSEN, Kvissel, Denmark. Filed Nov. 11, 1919. Serial No. 337,145. 3 Claims. (Cl. 40—52.)



1. An apparatus for displaying illuminated advertisement pictures, comprising a rotatable disk adapted to carry a series of circumferentially arranged pictures, a ratchet wheel revolving with the said disk, a pawl engaging the ratchet wheel and connected to a crank, an electric motor for rotating said crank, an electric lamp for illuminating said pictures when at the displaying point, means for cutting off the flow of current through said lamp when said disk is being rotated, means for cutting off the flow of current through said motor when the lamp is supplied with current and means for causing said pawl to engage another tooth of the ratchet wheel during stand-still of the said motor and disk.

1,407,565. BLANK-LOCATING DEVICE. ABRAHAM NOVICK, New York, N. Y., assignor to F. L. Smithe Machine Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 22, 1919. Serial No. 325,449. 8 Claims. (Cl. 271—61.)

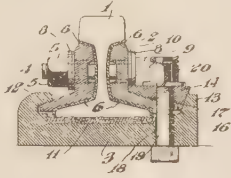


1. In a blank locating device the combination of means for locating one end of the blank, means for locating the other end of the blank relatively to said first end, and means for moving laterally said last mentioned locating means.

1,407,566. INSULATED JOINT FOR RAILROAD RAILS. THOMAS O'BRIEN, Philadelphia, Pa. Filed July 26, 1921. Serial No. 487,668. 2 Claims. (Cl. 238—160.)

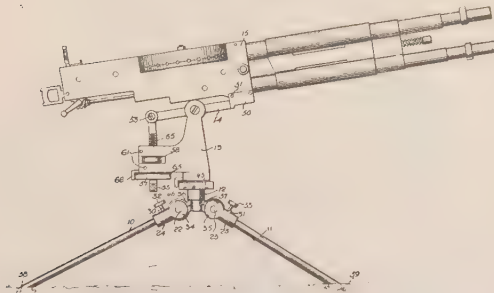
2. Railroad rails, cheek pieces, a chair, and an anchor, said chair having on one side a flange adapted to clamp

one of said cheek pieces, and on the other side an upwardly extending shoulder, said anchor being adapted to



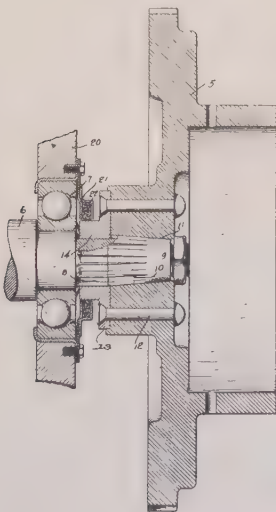
clamp the other cheek piece and having its outer side provided with a member adapted to wedge with said shoulder.

1,407,567. TRIPOD FOR MACHINE GUNS. JOHN FRANCIS O'MALLEY, Mount Vernon, N. Y. Filed Jan. 21, 1921. Serial No. 438,944. 5 Claims. (Cl. 89—40.)



1. A tripod for a machine gun, comprising a base, legs pivoted to the base, independent means for swinging each leg on its pivot, a tripod body mounted to turn on the said base, a balance bar fulcrumed on the said tripod body and adapted to support at one end the machine gun, and an adjusting device mounted on the said tripod body and connected with the other end of the said balance bar.

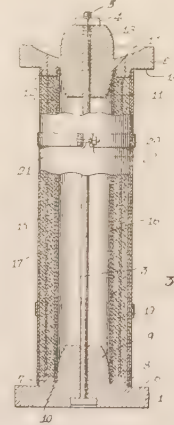
1,407,568. FLYWHEEL. VICTOR W. PAGÉ, New York, N. Y. Filed June 8, 1921. Serial No. 475,930. 6 Claims. (Cl. 287—53.)



1. In combination with a shaft having a tapered end portion and a straight portion adjacent thereto, a revolving body adapted to be secured to said shaft, said revolving body having a tapered portion adapted to receive the tapered end of the shaft to center the revolving body

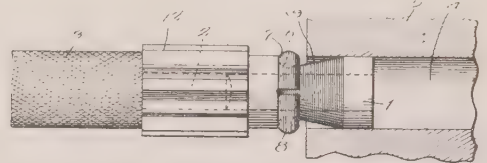
with respect to the shaft, and a collar carried by said revolving body and adapted for interengagement with the straight portion of the shaft to secure the revolving body thereto.

1,407,569. CONCRETE FORM. WALDEMAR JULIUS PEDERSEN, Floral Park, N. Y. Filed Sept. 20, 1920. Serial No. 411,654. 13 Claims. (Cl. 25—127.)



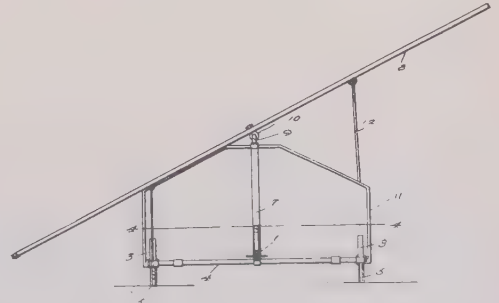
1. A concrete form comprising a head portion having a groove therein, a sheet of flexible material, and means on said head portion to guide the edge of the sheet into the groove.

1,407,570. ATTACHING DEVICE. RALPH S. PEIRCE, Hinsdale, Ill. Filed Feb. 2, 1920. Serial No. 355,634. 13 Claims. (Cl. 85—2.4.)



1. An attaching device including an element receivable within a recess in a carrier and having an inner portion which is reduced to form a forward shoulder; and an expandable element behind the shoulder for holding the first aforesaid element and its carrier together, said shoulder being formed to have substantially no expanding action upon the expandable element.

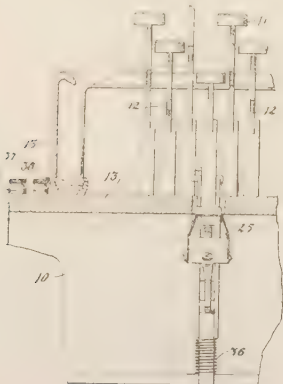
1,407,571. HAY DISTRIBUTOR. PETER C. PHILIP, Bowls, Minn. Filed May 14, 1921. Serial No. 469,407. 2 Claims. (Cl. 193—53.)



1. A device of the class described comprising a wheeled frame, an upright frame thereon extending longitudinally thereof, a table having its center tiltedly connected with

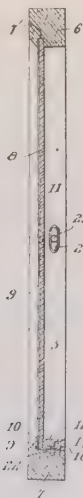
the top of the upright frame, rests on the wheeled frame for supporting the table in tilted position and means for holding the table in tilted position.

1,407,572. TELEGRAPH TRANSMITTER. CHARLES PHILLIPS, JR., Philadelphia, Pa. Filed Oct. 18, 1920. Serial No. 417,539. 1 Claim. (Cl. 178—81.)



A telegraph transmitter comprising a spring influenced reciprocable key-stem having insular contacts thereon, a stationary guide housing said key-stem, means for limiting the movement of the key-stem in the guide, spring influenced spaced levers pivotally mounted on the stationary guide and supporting an insulated spring tongue circuit closer adapted to be traversed by the insular contacts when the key-stem moves forwardly, a recoil latch member carried by the guide and having an offset and arcuate portions, said latch member holding the circuit closer out of engagement with the insular contacts on the return stroke of the key-stem, and means on the key-stem for cooperation with the arcuate part of the latch member to release the circuit closer as the key-stem returns to normal position.

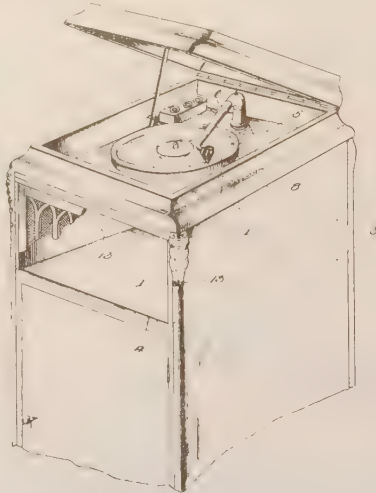
1,407,573. WINDOW SASH. MICHAŁ PIŚULA, Chicago, Ill. Filed May 23, 1921. Serial No. 471,646. 4 Claims. (Cl. 20—56.4.)



1. A window sash comprising a rigid rectangular frame composed of top, bottom and side members, all but one of said members being provided with inwardly projecting longitudinal ribs along their inner edges, the remaining member being provided with a longitudinal groove in its inner face arranged to receive an edge portion of a pane of glass and said ribs being adapted to have the remaining edges of said pane of glass rest thereagainst.

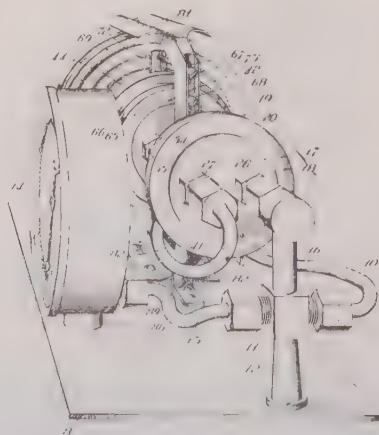
removable securing strips flatly engaging the inner faces of the rib provided frame members and having their inner edges disposed to contact with the inner edge portions of the pane of glass, said securing strips having slidable bolt carrying members upon their outer faces, and keepers fixed at opposite end portions of the frame members for engagement by and disengagement from the bolts when said bolt carrying members are slid.

1,407,574. PHONOGRAPH RESONANCE BOX. ALBERT O. PRICE, Coshocton, Ohio, assignor to Jerry A. Comp-ton, Coshocton, Ohio. Filed Oct. 9, 1919. Serial No. 329,487. 3 Claims. (Cl. 181—27.)



1. In sound reproduction apparatus, a cabinet having a compartment, a relatively thin horizontally disposed sounding board forming the bottom of said compartment, and a tone chamber housed within the compartment and comprising a throat having its delivery end located at the upper side of the said sounding board, side walls secured to and upstanding from the sounding board and arranged in planes diverging in a forward direction from the said delivery end of the throat, and a top wall extending between the side walls and inclined upwardly and forwardly from the said end of the throat.

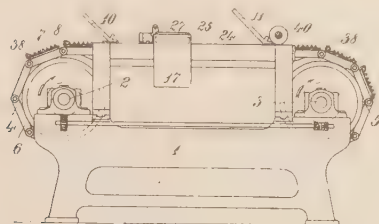
1,407,575. CONTROLLING APPARATUS FOR DELIVERING OXYGEN. THEODORE C. PROUTY, Elgin, Ill., assignor, by mesne assignments, to Patents Holding Corporation, Chicago, Ill., a Corporation of Delaware. Filed July 11, 1918. Serial No. 244,513. 29 Claims. (Cl. 137—153.)



1. An apparatus of the character described, comprising means for supplying gas at a substantially constant pres-

sure, means for receiving such gas and delivering the same, and differentially operating regulating means for controlling the volume of gas delivered by the latter means.

1,407,576. MACHINE FOR MOUNTING PRESS BUTTONS ON CARDS. HANS PRYM, Stolberg, Germany. Filed Oct. 29, 1921. Serial No. 511,497. 10 Claims. (Cl. 218—18.)



1. A machine for mounting press buttons on cards including a movable carrier, guides associated with said carrier and being adapted to supply the lower parts of press buttons to said carrier, means mounted on said carrier and engageable with the lower parts of the press buttons in said guides for withdrawing the lower parts of the press buttons from said guides, means associated with said carrier and actuated by said carrier for separately supplying perforated cards to the lower parts of the press buttons carried by said carrier, a second set of guides for supplying upper parts of press buttons to the lower parts of the press buttons supported by said carrier, and pressing means for exerting pressure on the press button parts to cause the same to be secured to said cards.

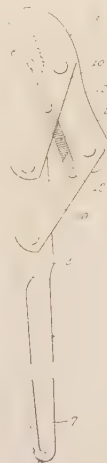
1,407,577. WRENCH OR SPANNER. THOMAS JAMES PRYOR, Stanthorpe, Queensland, Australia. Filed July 15, 1921. Serial No. 484,985. 1 Claim. (Cl. 81—83.)



In an improved wrench or spanner, a member having a head adjustable as to position, there being an inclined faced projection on said member, a second member pivoted to said first mentioned member, a wedge shaped jaw articulated to the end of said second mentioned member and arranged to operate between said head and

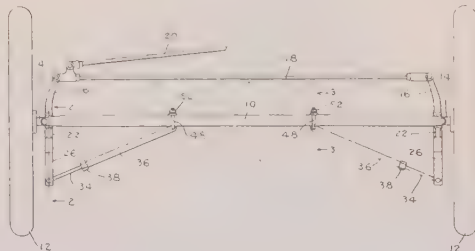
said inclined face and against said face, as and for the purposes herein set forth and as illustrated in the accompanying drawings.

1,407,578. WRENCH. FREDERIC P. ROBERT, Lynnbrook, Long Island, N. Y. Filed Apr. 2, 1921. Serial No. 458,164. 2 Claims. (Cl. 81—117.)



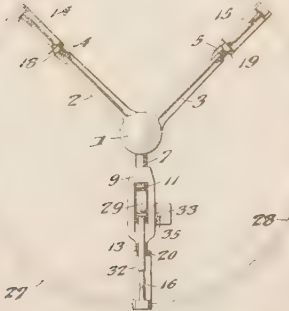
1. A wrench comprising a rigid jaw, a movable jaw arranged in opposed relation thereto, pairs of links having their ends pivotally connected with the opposite faces of the jaws, and a contractile spring arranged between the jaws and having its ends connected with the links at points between each pair of the same, the spring being disposed in close proximity to the movable jaw so that the force of the same acting on the movable jaw will be in a plane parallel to the direction of travel of the movable jaw.

1,407,579. SAFETY DEVICE FOR MOTOR VEHICLES. THOMAS F. ROBINSON, Minneapolis, Minn. Filed Sept. 23, 1920. Serial No. 412,335. 2 Claims. (Cl. 280—94.)



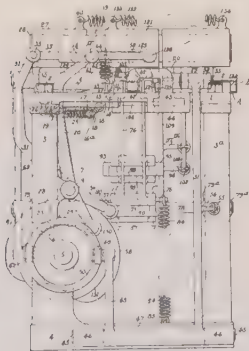
1. A safety device for use in connection with the front axle and steering knuckles of automobiles comprising, a tube of uniform diameter throughout its length, means for pivotally attaching the rear end of said tube to the front axle, a closure for the front end of said tube, a plunger rod of uniform diameter throughout its length extending through said closure and having the head adapted to reciprocate in said tube, a coiled spring between said head and the rear end of said tube, a coiled spring surrounding said plunger rod between said head and said closure, a link pivotally attached at its forward end to the outer end of said plunger rod, and means for attaching the rear end of said link to the steering knuckle.

1,407,580. TIRE CARRIER AND LOCK. WILLIAM H. RICKARD and LUTHER G. WALKER, Pueblo, Colo. Filed Mar. 19, 1921. Serial No. 453,645. 6 Claims. (Cl. 224-29.)



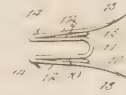
1. A tire carrier including a hub having a pair of arms branched radially therefrom, a pressure rod also extending radially from the hub and provided with a head, a yoke mounted slidably on the pressure rod, tire rim engaging shoes mounted on said arms and on the outer end of the yoke, and a cam carried by the yoke to engage with the head of the pressure rod and expand the structure to clamp the shoes in engagement with a tire rim.

1,407,581. APPARATUS FOR INSERTING ARTICLES INTO OPEN-ENDED RECEPTACLES, ENVELOPES, SHEATHS, OR CASES. WILLIAM ROSE, Gainsborough, England. Filed Jan. 8, 1921. Serial No. 435,915. 2 Claims. (Cl. 226-13.)



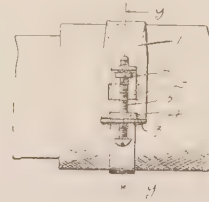
1. In apparatus of the character described, a stationary holder having a movable side, means for moving said side to a position in which it lies in substantially the same plane as the bottom of the holder, a wedge device for opening and holding open a collapsed receptacle to receive a charge while supported in said holder, together with a top plate and means for moving it into engagement with the top of the receptacle during the withdrawal of said wedge device, substantially as described.

1,407,582. EXPANSION DEVICE FOR FURNITURE. HERMAN E. SCHNEIDER, Spring Valley, N. Y. Filed June 21, 1921. Serial No. 479,225. 3 Claims. (Cl. 85-49.)



1. A device of the class described comprising a piece of sheet metal bent to form a U-shaped body portion and having its ends returned and formed into the diverging spurs.

1,407,583. HOSE CLAMP. HENRY A. SCHROEDER, Chicago, Ill. Filed June 22, 1921. Serial No. 479,546. 2 Claims. (Cl. 24-19.)



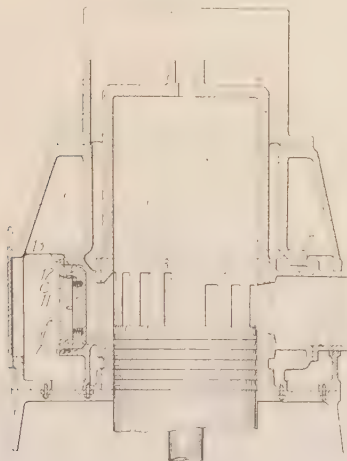
1. A hose clamp, consisting of a metal band having one end upturned and its opposite end portion provided in its length with a plurality of openings, and having the upturned end portion widened and provided with an opening adjacent the upturned end for the opposite end portion of the band to pass through, and a screw mounted in the upturned end of the band and having a shoulder adjacent its end to form a stop, said screw serving to draw the band about the hose and hold the same when tightened.

1,407,584. DOLL SUPPORT. BARON HENRY SCOTFORD, Atlantic City, N. J. Filed July 30, 1920. Serial No. 400,070. 3 Claims. (Cl. 46-40.)



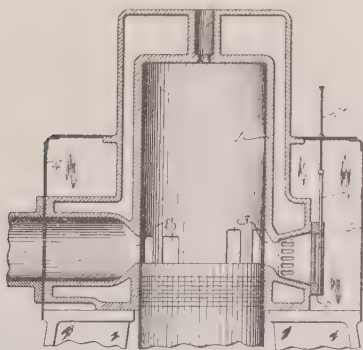
1. In combination, a cut-out figure doll, a cut-out garment for said doll provided with means for removably attaching it to the doll, a support for said doll, means for removably attaching said support to said doll to hold the latter in upright or substantially upright position, said support engaging the garment-attaching means to hold said means in garment attaching position, for retaining the garment in place upon the doll.

1,407,585. TWO-CYCLE INTERNAL-COMBUSTION ENGINE. HANS R. SETZ, Manitowoc, Wis. Filed July 26, 1920, Serial No. 399,042. 25 Claims. (Cl. 123—65.)



1. A two-cycle internal combustion engine having a cylinder provided with exhaust ports and scavenging ports, a plurality of separately removable valve cages arranged around the outer circumference of the cylinder, and automatically operating valves in said cages for controlling the supply of scavenging air to the cylinder.

1,407,586. SCAVENGING PORT CONTROL. HANS R. SETZ, Manitowoc, Wis. Filed Apr. 11, 1921. Serial No. 460,533. 18 Claims. (Cl. 123—65.)

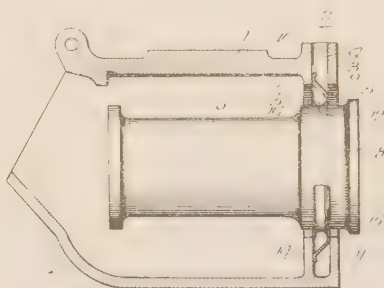


1. A two-cycle internal combustion engine, comprising a cylinder having a plurality of scavenging air ports that terminate in the inner face of the side wall of the cylinder, and automatic controlling elements corresponding in number to the number of said ports and each associated with a particular port whereby the admission of the scavenging air to the cylinder through said ports can be accurately governed by said controlling elements.

1,407,587. DUST GUARD FOR CAR-AXLE BOXES. JOHN H. SHARP, Chicago, Ill. Filed Dec. 21, 1915. Serial No. 68,011. 24 Claims. (Cl. 64—22.)

1. As an article of manufacture, a dust-guard for car axle boxes, comprising a plate having a central opening

adapted to receive the axle, resilient flanges extending across the upper and lower edges of said plate, said plate

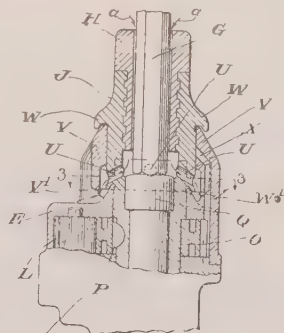


having a portion thereof at the corners of the lower resilient flange cut away.

1,407,588. METHOD OF MANUFACTURING CYLINDERS FOR DISSOLVED ACETYLENE. ORAMEL H. SKINNER and HENRY SIDNEY SMITH, Indianapolis, Ind., assignors to The Prest-O-Lite Company, Inc., Indianapolis, Ind., a Corporation of New York. Filed July 5, 1916. Serial No. 107,624. 5 Claims. (Cl. 23—29.)

5. The process of filling dissolved acetylene cylinders with porous material which consists in first filling the cylinder with a prepared semi-liquid ceramic mass, closing the cylinder, forcing a further supply of said material thereinto under appropriate pressure, and then baking, substantially as set forth.

1,407,589. FRONT-END CONSTRUCTION FOR ROTATING ROCK DRILLS. FRED M. SLATER, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 22, 1920. Serial No. 367,832. 9 Claims. (Cl.121—6.)



1. In a front end construction for rock drills, the combination of a chuck for holding the drill steel and means for rotating the chuck, said chuck being provided with apertures located at points opposite the base of the drill steel shank for permitting water and extraneous matter to escape to the exterior of the drill casing without entering the operative parts of the tool, a shroud for said apertures, forming an integral part of the front end of the rock drill, and a circular bearing between the shroud and the chuck.

1,407,590. THROTTLE VALVE FOR ROCK DRILLS.
FRED M. SLATER, Easton, Pa., assignor to Ingersoll-
Rand Company, Jersey City, N. J., a Corporation of
New Jersey. Filed July 17, 1920. Serial No. 397,022.
8 Claims. (Cl. 121—8.)

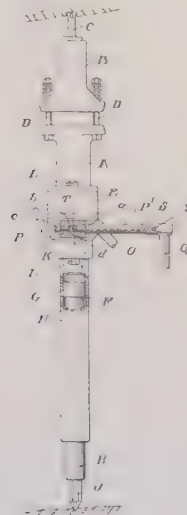
1. A rock drill comprising a percussive element and a feeding element, both operated by motive fluid under

pressure, a throttle valve for distributing motive fluid to both of said elements and ports and passages in said throttle leading to the percussive and feeding elements for carrying out the following cycle of operations when the valve is moved from closed position:—first, opening an air feed bleeder to prevent pressure from accumulating in the feeding element; secondly, closing the air feed bleeder and slightly opening the supply to the feeding element; thirdly, slightly opening the supply to the



percussive element, increasing the supply to the feeding element and slightly opening the air feed bleeder; fourth, increasing the supply to the percussive element, opening full supply to the feeding element and increasing the air feed bleeder to full opening; fifth, opening the supply to the percussive element and the feeding element to full on position, with the bleeder entirely closed off; sixth, continuing the conditions of the fifth stage with the bleeder full open or varied as desired.

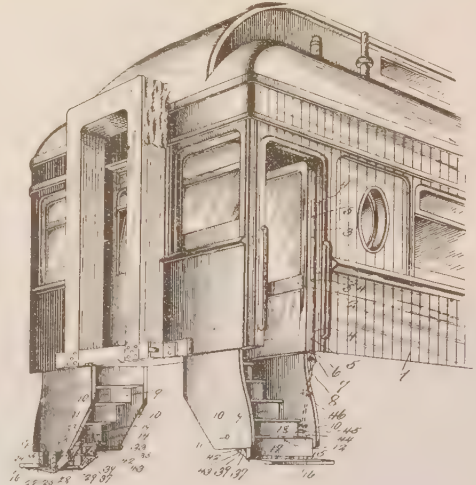
1,407,591. AIR-FEED CONTROL FOR ROCK DRILLS. FRED M. SLATER, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a Corporation of New Jersey. Filed July 23, 1920. Serial No. 398,387. 3 Claims. (Cl. 121—9.)



1. A rock drill having a percussive element and a fluid pressure feeding element, a rotation handle rigidly se-

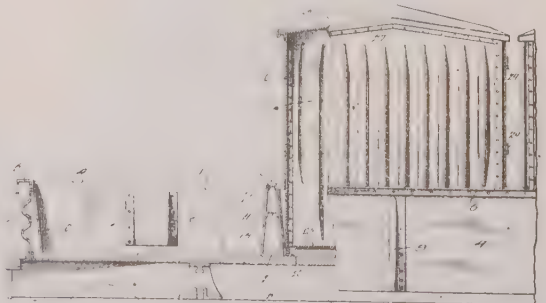
cured to the machine and adapted to be grasped and held by the operator, and a valve located near the outer end of said handle controlling ports and passages leading from the feeding element thereby enabling the operator to reduce the pressure in the feeding element in accordance with the requirements of the work, without removing his hand from the handle.

1,407,592. FOLDABLE OR EXTENSIBLE CAR STEP. JOHN Q. SLYE, Washington, D. C., assignor of one-half to Thomas Lincoln Lipsett, Washington, D. C. Filed Aug. 17, 1921. Serial No. 492,951. 18 Claims. (Cl. 105—430.)



1. The combination with the vestibule car steps provided with an extensible and collapsible step, of an operating revoluble member located in bearings substantially to the rear of the lower tread of the vestibule car steps, means operatively connecting said revoluble member and the extensible and collapsible step, the construction and arrangement of said means being such as to rockably reinforce the tread of the extensible step relatively to the revoluble operating member, when the extensible step is extended.

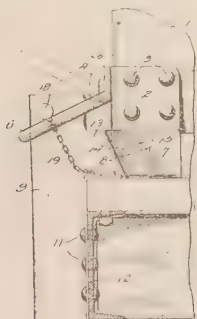
1,407,593. COMPARTMENT FREIGHT CAR. ALFRED H. SMITH, New York, N. Y. Filed June 9, 1920. Serial No. 387,517. 11 Claims. (Cl. 105—366.)



5. The combination with a car, friction locking members secured to said car, of a series of closed lading holding compartments, and friction locking members on

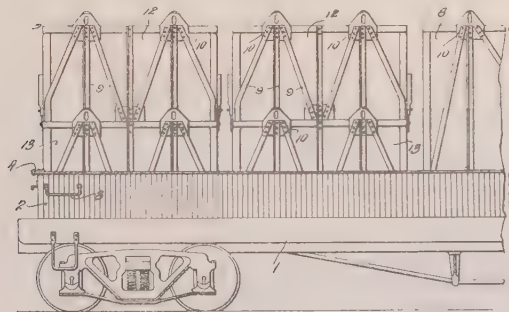
said compartments adapted to interlock with the said locking members on the car when the compartments are positioned in the car whereby the compartments are anchored to the car.

1,407,594. COMPARTMENT FREIGHT CAR. ALFRED H. SMITH, New York, N. Y. Filed June 9, 1920. Serial No. 387,519. 5 Claims. (Cl. 105—366.)



4. The combination with a freight car, of a freight compartment detachably mounted on the car, of a stake secured to the side of the car and projecting above the floor of the car, a loop loosely connected to the compartment and adapted to engage said stake to anchor the compartment to the car.

1,407,595. LADING CONTAINER. ALFRED H. SMITH, Chappaqua, N. Y. Filed Apr. 28, 1921. Serial No. 465,345. 8 Claims. (Cl. 105—366.)

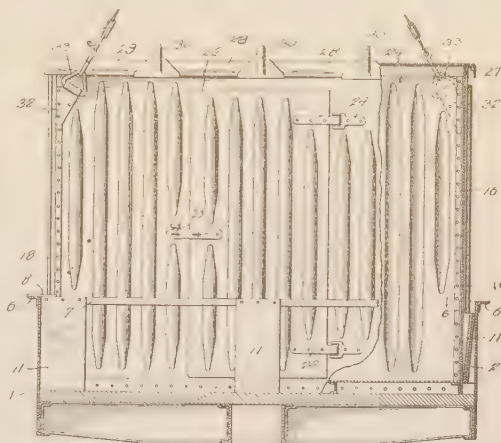


2. The combination with a car, of a plurality of separate freight compartments mounted thereon and secured thereto, a plurality of separate freight compartments superposed on the first named compartments, locking means securing the upper and lower compartments together, whereby a lower and a superposed compartment may be removed as a unit from the car and whereby upon releasing the locking means each compartment may be removed separately.

1,407,596. METHOD OF HANDLING FREIGHT, EXPRESS, AND THE LIKE. ALFRED H. SMITH, Chappaqua, N. Y. Original application filed June 9, 1920, Serial No. 387,517. Divided and this application filed Apr. 28, 1921. Serial No. 465,348. 5 Claims. (Cl. 105—366.)

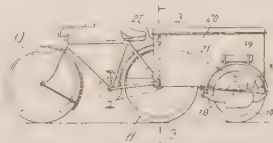
2. The method of loading a plurality of independent freight compartments on a car, which consists in ar-

ranging said compartments adjacent each other with the doors of each compartment adjacent a stop on the car,



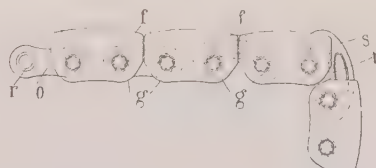
whereby the doors cannot be opened while the compartments are on the car.

1,407,597. PARCEL-CARRYING VEHICLE. BRONSON H. SMITH, Brooklyn, N. Y., assignor, by mesne assignments, to Delmore Manufacturing Company, Incorporated, a Corporation of New York. Filed June 4, 1917. Serial No. 172,569. 11 Claims. (Cl. 180—11.)



1. A receptacle adapted to be connected with the axle of the propelled wheel of a bicycle, a pair of wheels at the sides thereof, a motor connected to drive at least one of said wheels and means vertically pivoted to the receptacle for connecting the receptacle with a bicycle.

1,407,598. DRIVING BELT OR CHAIN. JOHN HOWARD SMITH, London, England, ROBERT HARVEY BRAND, Ascot, England, and THOMAS GEOFFREY LEITH, Oyne, Scotland. Filed June 16, 1920. Serial No. 389,426. 5 Claims. (Cl. 74—64.)

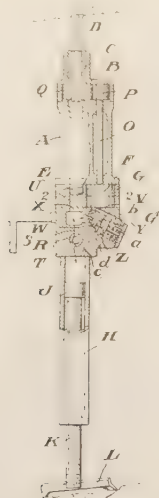


1. A driving link for a driving belt of the kind indicated comprising in combination, a metal frame, a lower or harder grade of rubber vulcanized directly thereto and a higher or softer grade of rubber vulcanized to said lower or harder grade, as set forth.

1,407,599. AUTOMATIC AIR-FEED CONTROL FOR ROCK DRILLS. HAROLD I. STAGE, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 16, 1921. Serial No. 445,483. 8 Claims. (Cl. 121—5.)

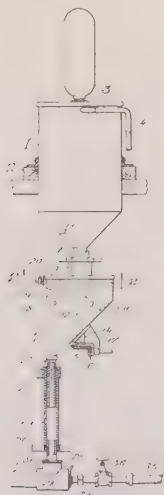
8. In a rock drill of the hammer type, the combination of an independent motor for rotating the drill steel, an

air feeding element comprises a cylinder and piston for advancing the machine, a pressure actuated valve for automatically controlling the power delivered to the mo-



tor in accordance with the requirements of the work, and means controlled by said valve for automatically regulating the pressure in the air feed cylinder.

1,407,600. POWDERED-COAL BURNER. HENRY J. STEHLI, Cedar Grove, N. J., assignor to Sintering-Machinery Corporation, Netcong, N. J., a Corporation of New Jersey. Filed Nov. 26, 1920. Serial No. 426,486. 7 Claims. (Cl. 302—42.)

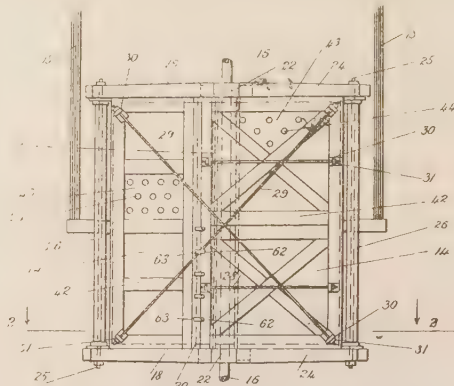


1. An apparatus for feeding powdered coal comprising a hopper having an inlet and an outlet, a feeder box communicating with the outlet, a rotative table within the feeder box to receive coal from the hopper, a knife disposed over the table, means to adjust the knife respecting the table and retain the knife in set position, a mixing chamber communicating with the feeder box, and means to direct air into said chamber in the path of coal entering the same.

1,407,601. SIFTER. CARL G. THOMPSON, Knoxville, Tenn. Filed Apr. 22, 1921. Serial No. 463,709. 16 Claims. (Cl. 83—38.)

1. A sifter, comprising a plurality of oblong sifter boxes arranged end to side and forming a central open-

ing, each box being separately removable and having four sides, a top and a bottom, and having sieves inclosed in



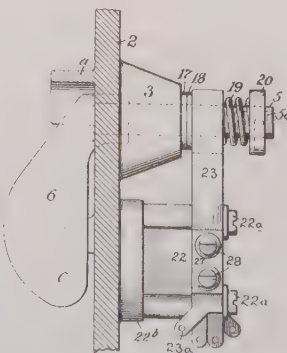
it, frames arranged above the tops and below the bottoms of the said boxes, and means for clamping the boxes between the said frames.

1,407,602. CUSHION RING FOR EXPANDING GAS-ENGINE PISTON RINGS. WILLIAM H. THOMSON, Peoria, Ill. Filed Dec. 24, 1920. Serial No. 433,057. 6 Claims. (Cl. 74—109.)



1. A device for insertion in a piston-ring groove behind the piston ring consisting of a ribbon of spring metal substantially polygonal in form, whose sides or faces are arcs lying within the outermost boundary of the device, the same being described from positions outside the said boundary, the corners connecting such sides or faces being smaller arcs described from points within such boundary.

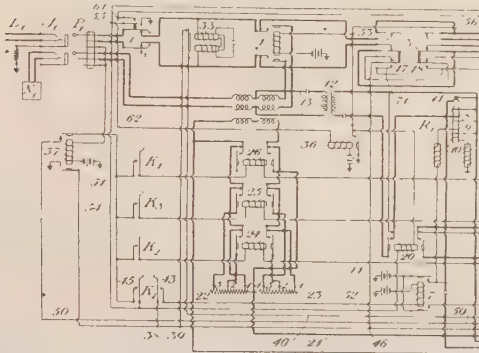
1,407,603. ELECTRIC SWITCH. JOHN S. TIMMONS, New York, N. Y. Filed July 16, 1919. Serial No. 311,177. 5 Claims. (Cl. 200—165.)



5. A switch comprising a protecting face plate; a throw-shaft rotatably mounted in passing through said face plate and having provisions to prevent the inward

movement of said shaft; one or more switch blocks axially slidable against said shaft but fixed against rotation relatively thereto and provided with finger operating means; and resilient means reacting between the end of said shaft and the nearest switch block to maintain the assemblage of the parts.

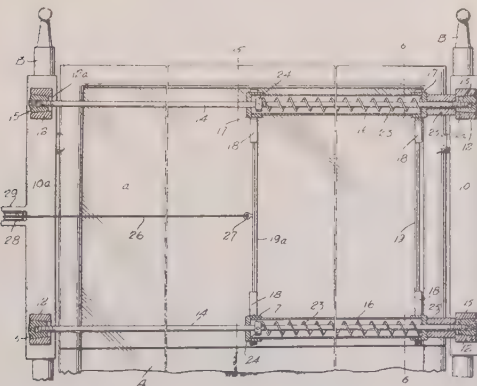
1,407,604. REPEATER CIRCUIT. JOHN F. TOOMEY, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 16, 1917. Serial No. 196,896. 13 Claims. (Cl. 179—170.)



1. A repeater circuit including a repeater element comprising a variable resistance element and a magnetic means for controlling the same, a source of energy for said variable resistance element, relay means to control the connection and disconnection of said source with respect to said element at will, and a key for controlling said relay means.

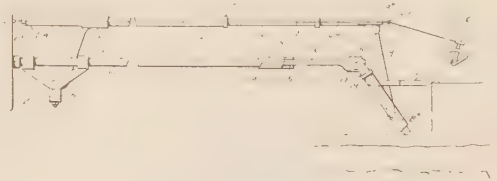
5. A repeater circuit including a repeater element, a plurality of relays, means controlled by said relays for determining the amplification of said repeater element, and means for variably operating said relays.

1,407,605. WINDSHIELD CLEARER. BASIL VERLANCIERI, New York, N. Y. Filed Apr. 19, 1921. Serial No. 462,485. 2 Claims. (Cl. 15—59.)



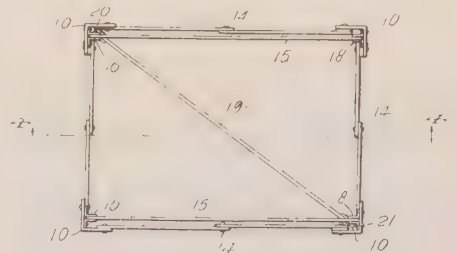
1. A windshield clearer comprising clamps for mounting the clearer in position on a windshield, a pair of brackets on each clamp, transverse guide rods supported at their ends in said brackets and having threaded ends, tapered nuts fitting the threaded ends of said rods and accommodated in transverse holes in said brackets, a pair of wipers disposed vertically between said guide rods, and means carrying said wipers and slidable on said guide rods.

1,407,606. CONTROLLING MECHANISM FOR TRACTORS. HERMAN J. VIRGENS, Welcome, Minn. Filed Aug. 22, 1921. Serial No. 494,246. 4 Claims. (Cl. 180—77.)



1. Means for controlling a tractor from a vehicle being drawn by said tractor comprising a steering element, means for connecting the same to the steering post of the tractor, a tubular clutch control rod, means for mounting the clutch control rod for bodily longitudinal movement and a throttle control wire or rod passing through the clutch control rod and capable of independent longitudinal movement with respect thereto.

1,407,607. RACK. GERTRUDE WATSON WAKEHAM, Marshall, Wis. Filed May 23, 1921. Serial No. 471,711. 1 Claim. (Cl. 34—26.)

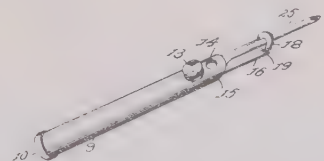


A rack comprising corner bars composed of angle iron, toggles interposed between and foldable within the angle of the corner bars facilitating the expansion and collapsing of the corner bars in both horizontal dimensions. Other bars pivoted to the corner bars and having hooking engagement with some of said bars, and a collapsible frame expandable to correspond to the area of the expanded rack and presenting means for engagement upon and within the top of said rack.

1,407,608. BUILDING MATERIAL. WALENTY WAWRZYNIAK, St. Louis, Mo. Filed Sept. 20, 1918. Serial No. 255,005. 3 Claims. (Cl. 106—34.)

1. A conglomerate building material, comprising cement, wood fiber, fibered "Acme," weed stalks and a liquid mixed together to the desired consistency.

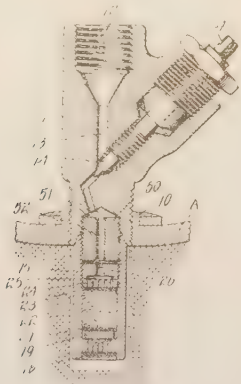
1,407,609. EMBROIDERY NEEDLE. FRANCIS H. WEBSTER, St. Louis, Mo. Filed Nov. 4, 1921. Serial No. 512,700. 2 Claims. (Cl. 112—80.)



2. A needle of the character described comprising a handle, a gauge, a detachable needle, a clamping screw

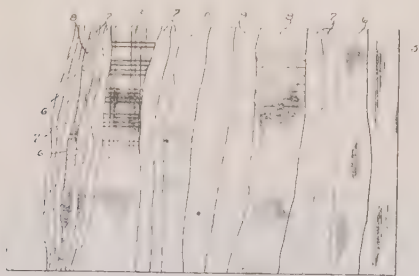
supported by the handle and passing through the base of the needle and the gauge, and a nut provided on the screw for clamping the needle and gauge in position in the handle, substantially as specified.

1,407,610. FLASH CHECK FOR ACETYLENE-GAS TANKS. ALBERT FRANK WESTLUND, Indianapolis, Ind., assignor to The Prest-O-Lite Company, Inc., Indianapolis, Ind., a Corporation of New York. Filed Aug. 13, 1918. Serial No. 249,707. 3 Claims. (Cl. 48—192.)



1. A flash check or arrester for acetylene gas supply lines comprising a cartridge shell interposed in the path of the gas with its ends formed with perforated closures, the lower end or bottom being concave, a soft ductile plate with normally flat surfaces mounted on said bottom and having notches in its edges, and means interposed between said soft plate and the head of the cartridge for receiving the back pressure and causing said soft plate to collapse to conform to the concave bottom and cover and seal the perforations therein under the shock cause by an explosion, substantially as set forth.

1,407,611. METHOD OF FINISHING PAPER. GEORGIA W. WHEATON, Appleton, Wis. Filed May 22, 1920. Serial No. 383,481. 1 Claim. (Cl. 101—32.)

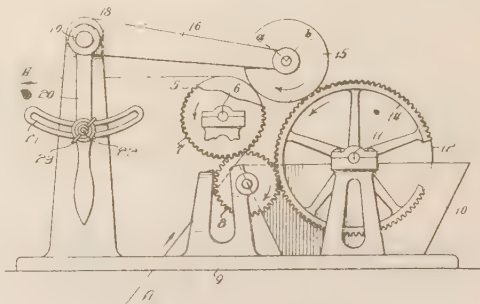


The herein described method of providing a finish on paper which consists in placing a plurality of sheets of paper in superposed relation, inserting substantially midway of the stack thus formed between certain of the sheets of paper a cloth having the desired design, placing on the top and bottom of the stack, respectively, sheets of moistened material and then applying pressure to the stack, whereby the moisture is transferred from the last mentioned sheets of material to the paper, and the latter conditioned to receive the impressions of the design in the cloth.

1,407,612. ADHESIVE-APPLYING MECHANISM. HENRY WINSLOW WHITE, Commack, N. Y. Filed Oct. 1, 1920. Serial No. 414,077. 17 Claims. (Cl. 91—50.)

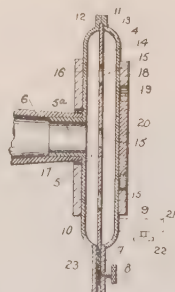
1. Adhesive applying mechanism comprising a rotatably mounted adhesive wheel, a web-carrying roll, means for

rotating the adhesive wheel, and a freely rotatable wheel to transfer adhesive from the adhesive wheel onto a web on said web-carrying roll, said freely rotatable wheel being mounted on a shiftable axis.



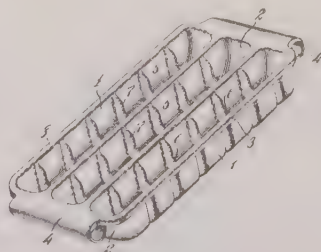
10. Adhesive applying mechanism comprising a web-carrying roll, a container for adhesive, a driven adhesive wheel adapted to become heavily coated with adhesive from the adhesive container, and means to receive fluid adhesive from the coating on the adhesive wheel rejecting solid and semi-solid matter therein and depositing the fluid adhesive on a web on the web-carrying roll.

1,407,613. PHONOGRAPH REPRODUCER. WALTER WHITTEN, Schenectady, N. Y. Filed Apr. 30, 1919. Serial No. 293,825. 3 Claims. (Cl. 274—25.)



1. A phonograph reproducer comprising a hollow vibrator casing having a centrally arranged sound opening in one wall and provided with a stylus holder at its periphery, and a diaphragm secured at its edge to said casing, substantially midway between the walls thereof.

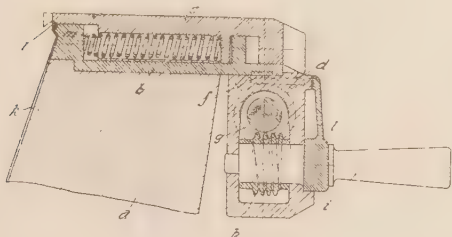
1,407,614. ICE PAN. MAURICE A. WICKS, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a Corporation of Delaware. Filed Sept. 23, 1920. Serial No. 412,249. 5 Claims. (Cl. 220—20.)



1. A pan for the production of ice in domestic mechanical refrigerators consisting of a rectangular metal sheet having upturned ends and sides, and also traversed by upwardly extending longitudinal and transverse folds

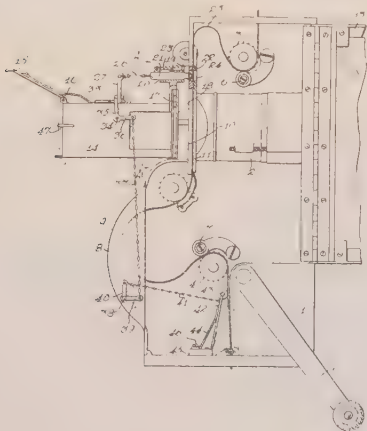
which define blocks of ice, the transverse folds being depressed centrally between each pair of longitudinal folds below the tops of the longitudinal folds.

1,407,615. DEVICE FOR HOLDING MATRICES IN STEREOPLATE-CASTING BOXES. CARL WINKLER, Berne, Switzerland. Filed Sept. 23, 1921. Serial No. 502,741. 1 Claim. (Cl. 22—2.)



In a device for holding a matrix in a stereo-casting box the provision of a worm for moving the matrix-holding jaw.

1,407,616. SAFETY DEVICE FOR MOTION-PICTURE MACHINES. JOHN E. WOODLAND, Brooklyn, N. Y. Filed Nov. 11, 1920. Serial No. 423,403. 3 Claims. (Cl. 88—17.)

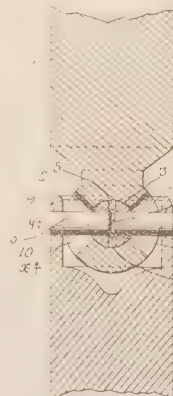


1. An attachment for moving picture machines, which comprises a hollow casing adapted to be connected to the apparatus adjacent the film aperture and in the line of the light, a shutter or shield adapted to close one end of the casing, means for engaging the shield normally to hold it out of the path of the light, means bearing against the film, a connection between the means bearing against the film and the shield engaging means whereby the variation in the tension of the film will cause the movement of the member bearing thereagainst and thereby move the shield engaging means to release the shield which will then introduce itself between the film and the light to protect the film.

1,407,617. UNIVERSAL JOINT. WILLIAM M. ZIEGLER, Richmond, Ind., assignor of one-half to John E. Dietz, Dayton, Ohio. Filed Apr. 4, 1921. Serial No. 458,519. 4 Claims. (Cl. 64—91.)

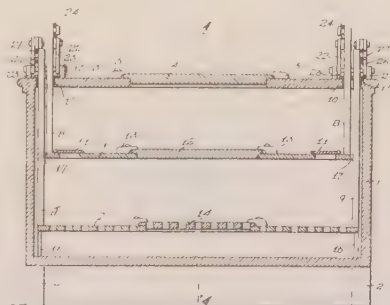
2. In a universal coupling, the combination with a ball member comprising a shaft and a spherical body bored out and slotted, and a pin mounted in the bore and itself

slotted, of a cup member adapted to receive the spherical body, a pin carried by the cup member and extended



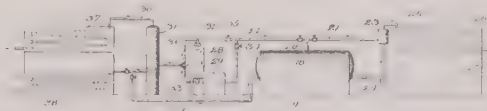
through the other pin and the slots in the spherical body, and a locking key adapted to interconnect said pins.

1,407,618. WASHING MACHINE. JOHN C. AKER and MARK C. WILLIAMS, Duluth, Minn. Filed Feb. 23, 1921. Serial No. 447,135. 2 Claims. (Cl. 259—112.)



1. In a washing machine, a tank, a cover fixed to the tank, a pair of dashers in the tank, means for reciprocating the dashers simultaneously in opposite directions, aligned trap doors in said cover and dashers, and pivoted cleats normally retaining said doors in position.

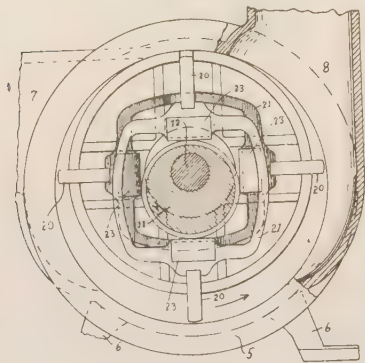
1,407,619. MANUFACTURE OF MOTOR FUEL. CLIVE M. ALEXANDER, Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa., a Corporation of Texas. Filed Nov. 30, 1917. Serial No. 204,635. 3 Claims. (Cl. 196—31.)



3. In the process of making low boiling petroleum hydrocarbons, such as gasoline, benzine, ligroin, and the like from high boiling petroleum hydrocarbons, such as crude petroleum, petroleum distillates, and petroleum residuums, the process which comprises passing the vapors of such high boiling oils through a heated zone at a temperature of about 500° C. at about atmospheric pressure, and at a rate sufficiently rapid to ensure a substantial portion of such

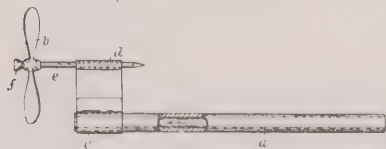
vapors passing through unchanged, fractionally condensing the so treated vapors in such manner that the high boiling and unchanged hydrocarbon products are separated from the desired low boiling hydrocarbon product, and continuously returning the high boiling and unchanged hydrocarbon products to be rerun repeatedly through the same cycle of treatment.

1,407,620. ROTARY PUMP. FRANK F. AMBROSE, Los Angeles, Calif., assignor to Union Steam Pump Company, Battle Creek, Mich., a Corporation. Filed Apr. 29, 1918. Serial No. 231,403. 2 Claims. (Cl. 103—44.)



1. A rotary pump comprising a casing having removable ends, said ends having internally projecting hubs, said hubs being slightly eccentric; wearing sleeves on said hubs; a shaft eccentrically disposed through said hubs; a hollow rotor secured to said shaft; a plurality of blades arranged in pairs operated by said rotor, the blades of each pair being locked together at and near the ends thereof by yokes, removable wearing plates secured to said yokes and contacting with the sleeves on the hubs.

1,407,621. TOY. HOHANNIS A. ANANIAN, Paterson, N. J. Filed July 3, 1920. Serial No. 393,804. 2 Claims. (Cl. 46—14.)

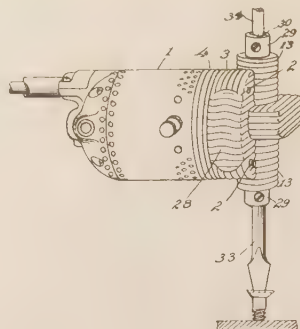


1. In a toy, the combination of a blow-tube, a flat strip projecting radially from the blow-tube and having one end bent around and thus gripping one end of the blow-tube, a pin arranged substantially parallel with the blow-tube, the other end of the strip being bent around and thus gripping the pin, and a vane journaled on the pin and so that its rotating blades will cut the air current issuing from the blow-tube.

1,407,622. PORTABLE ELECTRIC TOOL. FRANK J. BACKSCHIEDER, Cincinnati, Ohio; Sarah Backscheider administratrix of said Frank J. Backscheider, deceased. Filed Jan. 31, 1920. Serial No. 355,415. 2 Claims. (Cl. 144—32.)

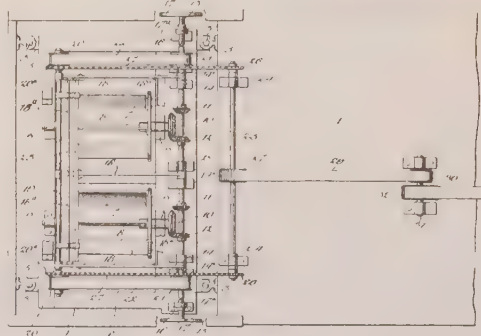
1. In a portable electric tool, the combination with the casing, of a spindle mounted in said casing on an axis

substantially at right angles to the axis of said casing, means for actuating said spindle, said casing having de-



pressions on opposite sides thereof, said depressions being axially parallel with said spindle to form hand-grips on said casing.

1,407,623. TIDE POWER. FREDERICK BAEHN, Jersey City, N. J. Filed Sept. 28, 1920. Serial No. 413,336. 7 Claims. (Cl. 170—100.)



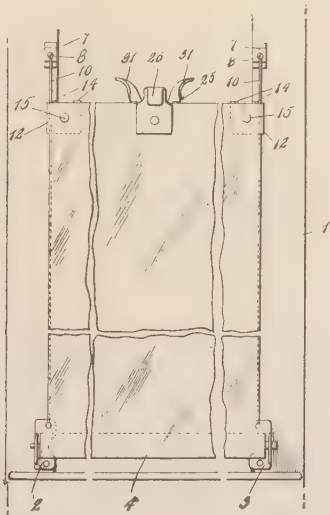
1. In a tide power generator, the combination of a float adapted to rise and fall with the tide, paddle wheels on said float and operable by the ebb and flow of the tide, a driving gear operable by each paddle wheel, a pair of gears for each of said driving gears, means for moving either gear of said pair into mesh with its respective driving gear, a power shaft and means for transmitting motion from the gears of said pair to said power shaft.

1,407,624. WINDOW-SHADE HOLDER. CHARLES T. BAILEY and HARRY B. WILSON, Tampa, Fla. Filed June 19, 1920. Serial No. 390,156. 3 Claims. (Cl. 156—26.)

2. In combination with a window casing and a spring wound shade thereon, of a pair of vertical guide rods secured to said casing, plates respectively secured to the corners of the free end of said shade and provided with curved outer edges engaging said guide rods, an ear extending

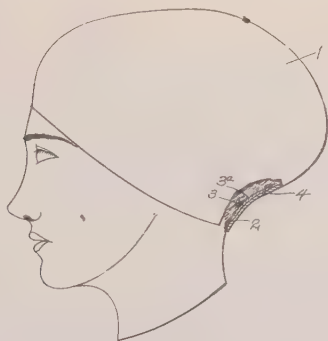
from each of said curved outer edges, a spring influenced dog pivotally secured to each ear and normally engaging

inserts, one edge of each of which is secured to the front of said body, and a gore one margin of which, together



the respective guide, and means for disengaging said dogs from said guides.

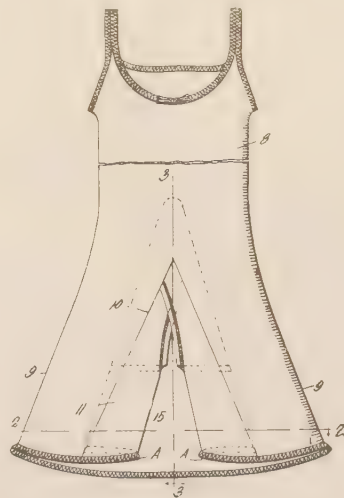
1,407,625. BATHING CAP. ANNA BALDWIN, Pittsburgh, Pa. Filed Mar. 15, 1921. Serial No. 452,437. 4 Claims. (Cl. 2—106.)



1. In combination with a cap having a depending skirt, a flap secured to the inner face of said skirt and having its lower edge positioned above the lower edge of the skirt, the flap being adapted to fit snugly about the wearer's head and the skirt being adapted to fit snugly about the wearer's head below the flap and cooperating therewith to provide a double closure to exclude moisture from entering the cap between the wearer's head and the skirt and the flap.

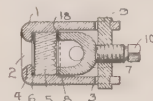
1,407,626. LADY'S UNDERGARMENT. SOLON D. BAUSHER, Reading, and JACOB D. REED, Schuylkill Haven, Pa., assignors to Glorie Underwear Mill, Reading, Pa., and to Union Knitting Mills, Schuylkill Haven, Pa. Filed Dec. 9, 1920. Serial No. 429,514. 1 Claim. (Cl. 2—144.)

A ladies' undergarment including a one-piece body,



with the rear edge of one of said inserts, is secured to said body by a single seam.

1,407,627. WATER-GAUGE-GLASS HOLDER. THOMAS L. BERKELEY, Alexandria, Va. Filed Apr. 12, 1920. Serial No. 373,231. 1 Claim. (Cl. 73—54.)

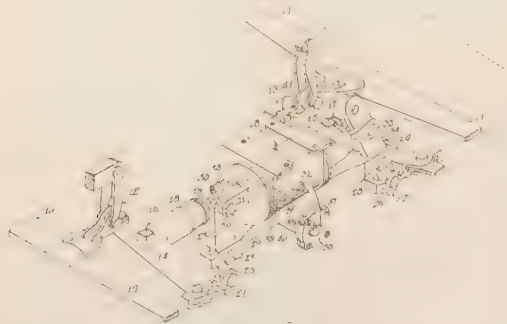


A device of the class described comprising a casing having its rear open and an opening formed in the front thereof, each side of the casing adjacent the rear edge having spaced slots formed therein, a flange provided on the front of said casing, a glass plate arranged in the front of the casing, a gasket located between said plate and flange, a water column located in the casing, with its open front covered by said plate, a gasket placed between the column and plate, notched clamping blocks engaging the slots formed in the sides of the casing for holding the ports under pressure, nipples tapped in the ends of said column and passing through the openings formed in the ends of the casing, valved supporting members connected with said nipples and means for forming the said connection.

1,407,628. AUTOMATIC ADJUSTMENT FOR BRAKE SHOES. HUBERT C. BERRY, Salem, and GEORGE APPLE-GATE, Pennsville, N. J., assignors to The J. G. Brill Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 18, 1921. Serial No. 446,015. 18 Claims. (Cl. 188—203.)

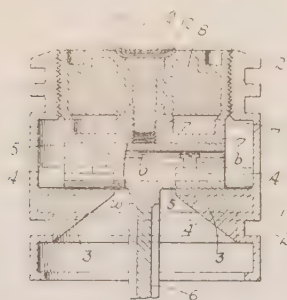
5. In a slack adjuster for railway car brake shoes, the combination of a brake cylinder having a piston therein and a port exposed by excessive movement of said piston, brake beams and lever connections with the cylinder and piston respectively for operating the brake beams from the cylinder, part of the connections comprising truck brake levers and a truck take-up turn-buckle connecting the truck brake levers, a take-up cylinder having its axis directed transversely to the turn-buckle, flexible inlet air connection from said port to the take-up cylinder, hanger

support for the take-up cylinder permitting lateral movement thereof, a ratchet wheel on the turn-buckle and a



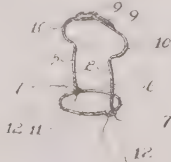
latch connected with said wheel and operated by the piston of the take-up cylinder to rotate the ratchet wheel during retractive movement.

1,407,629. ENGINE PISTON. JACOB BEUC, St. Louis, Mo. Filed Feb. 7, 1921. Serial No. 443,152. 5 Claims. (Cl. 74—108.)



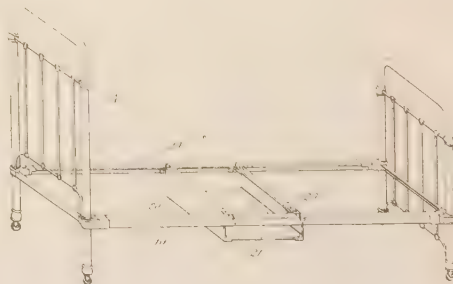
1. A built-up composite piston comprising an outer shell open at the top, bosses within the shell for receiving a connecting rod, means insertable through said open top for holding the connecting rod in place, and a piston head adapted to be secured into the open top of the shell and close the same.

1,407,630. CARRIER FOR BOTTLES. HELMER A. BLOOMQUIST, Manistee, Mich. Filed Mar. 7, 1921. Serial No. 450,141. 2 Claims. (Cl. 215—100.)



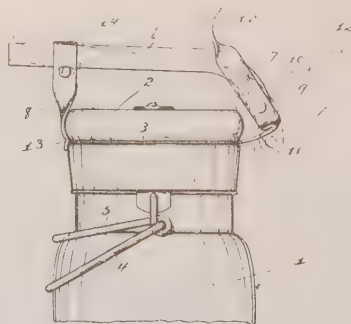
1. A carrier for bottles and the like, consisting of a handled body portion having spaced side members having inter-engaging loops slidably connected together at one of their ends and united at their other ends by a curved member located in a plane at substantially a right angle thereto, said curved member having at its junctures with the side members depending bends and a curved tie member slidably mounted on said side members and adapted for engagement with said bends.

1,407,631. INVALID BED. WALTER R. BROWN, Decatur, Ill. Filed Oct. 23, 1920. Serial No. 418,995. 1 Claim. (Cl. 5—12.)



In combination, a bed including sectional springs and mattress, means for securing the intermediate sections of the springs and mattress together for sliding movement across the bed toward and away from each other, a substantially U-shaped pan supporting member arranged transversely of the bed, said member being closed at one end and open at the other, brackets secured to the side rails of the bed and projecting toward each other, inwardly directed flanges formed on the pan supporting member and reposing upon and secured to said brackets, said flanges lying flush with the upper sides of the rail of the bed and constituting a support for said sliding sections or units of the bed springs and mattress.

1,407,632. FRUIT-JAR OPENER. JOHN H. BURCK, Albany, N. Y. Filed June 24, 1919. Serial No. 306,409. 1 Claim. (Cl. 81—3.1.)

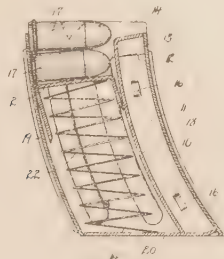


A fruit-jar opener comprising a bar having means for engaging the opposite sides of a covered jar, one of said means comprising a pry pivoted upon the bar having one end offset horizontally flattened and wedge-shaped to enter between the top and body of the jar, and the other end in the form of an operating handle, one of said means being capable of adjustment longitudinally of the bar.

1,407,633. BOX MAGAZINE FOR FIREARMS. FRANK F. BURTON, Mount Carmel, Conn., assignor to Winchester Repeating Arms Co., New Haven, Conn., a Corporation. Filed Nov. 3, 1921. Serial No. 512,622. 1 Claim. (Cl. 42—50.)

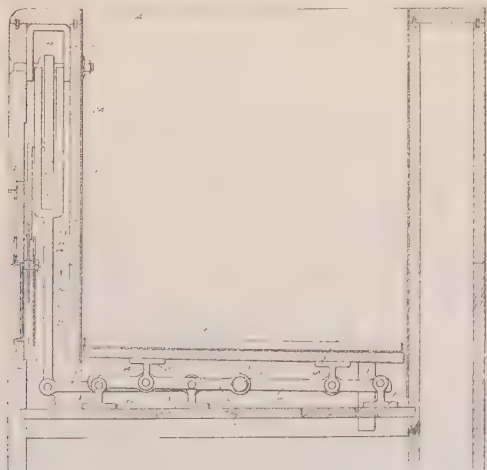
In a box-magazine for firearms, convertible for receiving and delivering cartridges of given caliber but varying in length, the combination with a body having side, front and rear walls, the former being provided near their upper ends with inwardly projecting positioning-members, of a follower for the use of the magazine with cartridges of the maximum length, a shorter follower, and a converting-member for cartridges shorter than the maximum length, consisting of a longitudinally-bowed

part of U-shaped cross-section adapted to be inserted within the forward end of the magazine-body and provided at its upper end with positioning-means coacting



with the positioning-members thereof, whereby it is accurately located therein prior to being permanently fastened in place.

1,407,634. SCALE. JAMES EDWARD BURTON, Cambridge, Mass. Filed Jan. 25, 1921. Serial No. 439,785. 4 Claims. (Cl. 265—65.)

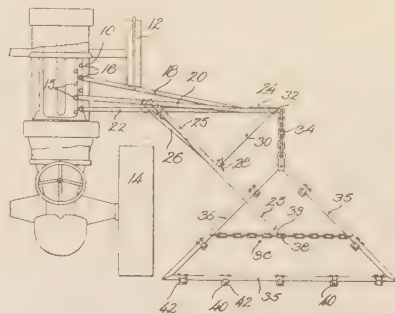


1. In a scale, the combination with a suitable support, of a plurality of brackets affixed to the upper surface of said support, a plurality of levers each pivoted at one end to one of the brackets, a rod operatively secured to the other ends of all of the levers, supporting brackets pivotally connected to the upper sides of the intermediate portions of all of the levers, a platform resting on said last mentioned brackets, a lever fulcrumed adjacent its intermediate portion and pivotally connected at one end to the rod, a counter weight, an indicator carried by the counter weight, and means operatively connecting the counter weight and lever.

1,407,635. HARROW AND HARROW ATTACHMENT FOR TRACTORS. HANS CHRISTENSEN and WILLIAM STARRETT, Denver, Colo. Filed Dec. 27, 1920. Serial No. 433,243. 5 Claims. (Cl. 97—44.)

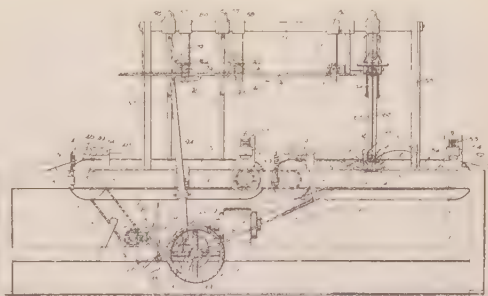
1. In combination, a tractor, a truss work connected thereto, said truss work comprising two bars connected together near their outer ends and having their inner ends connected respectively to two horizontally spaced bolts on said tractor whereby a triangular structure is formed, a third bar having its outer end connected near

the outer vertex of said triangular structure and its inner end connected to a bolt on said tractor at a point



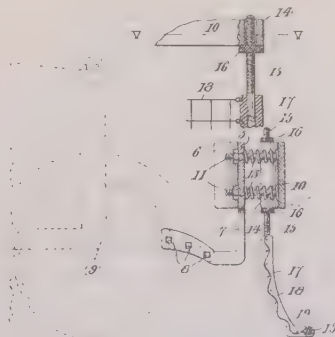
spaced vertically from the points of attachment of said two bars, whereby a rigid outwardly projecting structure is formed for attachment to an agricultural implement.

1,407,636. TEARING MACHINE. CHESTER HERRICK CLIFT, Nyack, N. Y. Filed Dec. 30, 1920. Serial No. 434,091. 11 Claims. (Cl. 223—59.)



1. In a tearing machine, means for longitudinally tearing the material fed through the machine into strips, independent means for transversely tearing the strips into separate pieces, and a common means for actuating said tearing means.

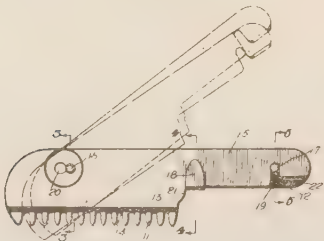
1,407,637. AUTOMOBILE BUMPER AND WHEEL FENDER. FRANCES COLETTA, Wilmington, Del. Filed Nov. 12, 1921. Serial No. 514,775. 5 Claims. (Cl. 293—54.)



1. A bumper for motor vehicles comprising a plate provided with rigid arms extending downwardly and

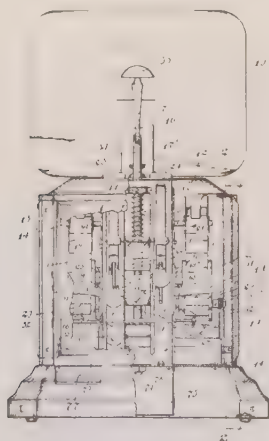
rearwardly from the lower edge thereof and adapted to have their rearwardly extending portions rigidly attached to the ends of the side rails of an automobile chassis for supporting the plate in a horizontal position with the ends of the plate disposed in front of the adjacent wheels of said vehicle, and a second plate yieldingly maintained in spaced relation to and in front of the first named plate, the second named plate being supported by the first named plate and adapted to receive the impact of collisions.

1,407,638. STRIPPING COMB. MICHAEL JOHN COLLINS, New York, N. Y. Filed May 12, 1921. Serial No. 469,005. 2 Claims. (Cl. 30-12.)



1. A stripping comb including a cutting member, a comb, handles forming a part of both of said members, a pin attached to one of said members and being adapted to extend into a key hole opening formed in the second of said members, whereby to lock the same with respect to each other, said members being adapted to be swung with respect to each other, and means for automatically seating said pin within said opening during said swinging operation.

1,407,639. STAMP VENDING MACHINE. CHARLES S. CONE, La Crosse, Wis. Filed July 11, 1919. Serial No. 310,157. 11 Claims. (Cl. 211-33.)



1. A machine of the kind described comprising a ribbon feeding drum having ribbon engaging devices spaced circumferentially thereof to correspond to and engage with the parting lines between sections of such ribbon, a ribbon guide co-operating with said feed drum and terminating in a shearing edge, a knife co-operating with said shearing edge, a ribbon clamp movable to operative and inoperative positions co-operating with said ribbon guide, and a manually operated connections operative to move said feed drum while said knife and clamp are inoperative and to operate said knife and clamping devices while said drum is stationary.

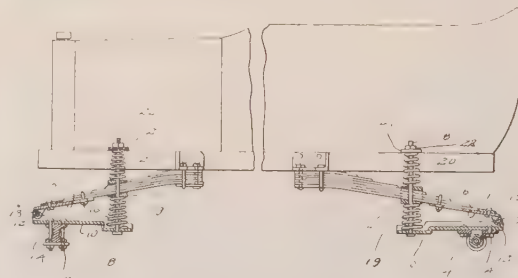
2. In a machine of the kind described, the combination with a ribbon feeding device including a feed drum for direct action on the ribbon, of a manually operated plun-

ger carrying a knife for severing the ribbon sections, a rack movable with said plunger, a driven half clutch gear connected to said feed drum, a driving half clutch gear connected to said rack and under yielding strain to engage said driven half clutch, a shipper lever normally operative to hold said half clutches disengaged, a lock dog normally holding said tripper lever in the normal position stated, and means for causing said half clutches to be engaged under movements of said plunger and rack.

9. In a machine of the kind described, the combination with independent ribbon feeding devices, of a common operating plunger, means whereby, at will, either or both of said feed devices may be rendered operative under movement of said plunger, and knives operated by said plunger to sever the sections of the ribbon, the said feed devices having different but predetermined ribbon feeding actions.

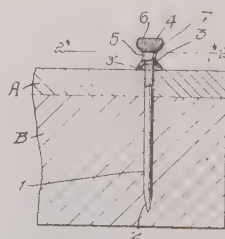
11. A machine of the class described having in combination, a ribbon feeding device including a drum for acting directly on the ribbon, a manually operated plunger, a rack movable with said plunger, a driven half clutch gear connected to said feed drum, a driving half clutch gear connected to said rack and normally yieldingly urged to engage said driven half clutch, means normally held in position to maintain said half clutches disengaged, and means for causing said half clutch to be engaged under movement of said plunger and rack.

1,407,640. SHOCK ABSORBER. JAMES ORLAND CRANK, Mendon, Ill. Filed Feb. 25, 1921. Serial No. 447,745. 1 Claim. (Cl. 267-28.)



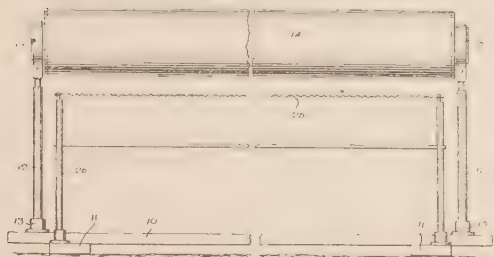
In combination, a main spring interposed between a vehicle frame and axle and having one end fixed to the frame, and the free end elastically connected to the axle, an axle plate secured to the axle and projecting forwardly and rearwardly of the latter, a spring plate hinged to the forward end of the axle plate and secured to the free ends of the main spring, said axle plate having its other end offset to form a seat, a saddle secured to the main spring, and shock absorbing means associated with the saddle and engaging the seat of the axle plate.

1,407,641. NAIL. JEROME A. CROSS, Fultonville, N. Y. Filed May 27, 1920. Serial No. 384,747. 1 Claim. (Cl. 85-28.)



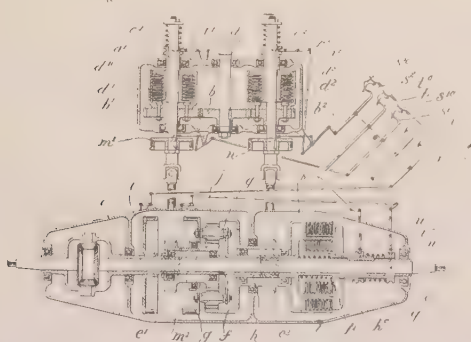
The combination with a nail having a head, of a washer having a concave under side and a neck upstanding thereon with an opening appropriately proportioned to permit the passage of a nail, said neck being less in diameter than the head.

1,407,642. AMUSEMENT APPARATUS. EDWARD A. DAY, Odanah, Wis., and ALEXANDER W. WHITE, Robertville, New Brunswick, Canada. Filed Jan. 25, 1921. Serial No. 439,783. 3 Claims. (Cl. 46—69.)



1. An amusement apparatus including a cylindrical member and vertically yieldable means for rotatably supporting the same at its opposite ends to permit of independent vertical movements of the extremities thereof, whereby the cylindrical member will simulate the action of a log in water.

1,407,643. CHANGE-SPEED MECHANISM. EMILE DESMOULINS, Paris, France. Filed June 8, 1920. Serial No. 387,402. 2 Claims. (Cl. 74—34.)

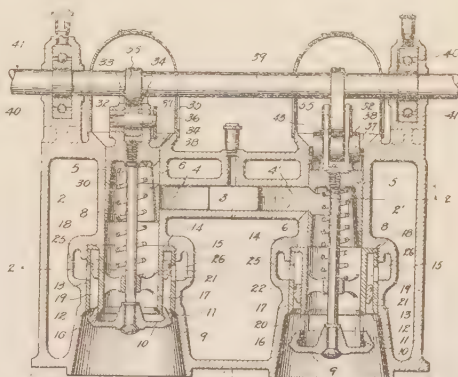


1. In differential change speed mechanism, the combination of a sun wheel, a toothed annulus, planet pinions meshing with the said wheel and annulus, a driven shaft, means for coupling the planet pinions to the driven shaft, a principal driving shaft carrying a toothed pinion, two secondary driving shafts having toothed pinions mounted loosely thereon and meshing with the pinion on the principal shaft, plate clutches for clutching the loose pinions on the secondary shafts to the secondary shafts means for driving the sun wheel from die of the secondary shafts and the annulus from the other of such shafts, substantially as and for the purposes set forth.

1,407,644. VALVE FOR INTERNAL-COMBUSTION ENGINES. HUGO DOTZER, Seattle, Wash. Filed Nov. 24, 1919. Serial No. 340,158. 2 Claims. (Cl. 123—79.)

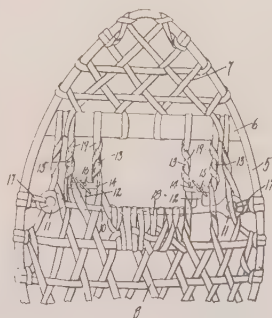
1. In combination, a cylinder head having formed therein, an explosion chamber, a valve cylinder opening at its opposite ends respectively to the exterior of the head and into said explosion chamber, an annular valve channel formed about the lower end of said valve cylinder and opening into the explosion chamber, a fuel inlet passage leading into the valve cylinder, a fuel exhaust passage leading from the annular valve channel, a piston valve mounted for reciprocation within the valve cylinder and operable across the said inlet passage to control the

inlet of fuel therethrough, a valve head rigidly connected with the said piston and movable therewith over and from the inner end of said valve cylinder and into and from the annular valve channel, an annular valve member



rigidly connected with the valve head and operable within the valve channel across the exhaust passage to close communication to the latter when said valve head is in open position with respect to the valve cylinder and means for actuating the valve mechanism.

1,407,645. SNOWSHOE. CLARENCE M. DREW, Plymouth, N. H. Filed Aug. 16, 1920. Serial No. 403,891. 4 Claims. (Cl. 46—67.)

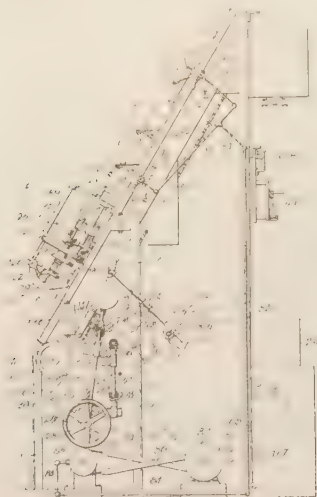


1. A snowshoe having, in combination, a framework, lacing extending from one side to the other of said framework, a frame adapted to support the ball of the foot and supported by said lacing consisting of a cross bar with laterally extending arms and projections extending downwards from said arms and adapted to engage a surface and prevent said snowshoe from slipping thereon.

1,407,646. INSERTING, FOLDING, AND WRAPPING MACHINE. WILLIAM P. DUN LANT, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed May 25, 1918. Serial No. 236,499. 77 Claims. (Cl. 270—55.)

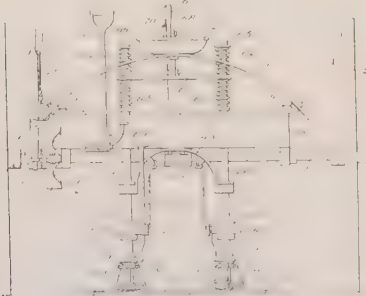
1. A machine of the character described having, in combination, a plurality of magazines for articles, mechanism for individually withdrawing articles from the respective magazines, means for collecting groups of the withdrawn articles, a magazine for books, means for singly and successively withdrawing books from said mag-

azine, means for opening a withdrawn book to receive a group of articles, means for then folding the book with



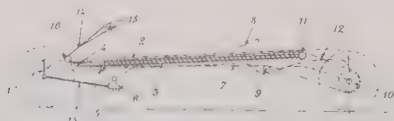
the articles therein, means for then placing a wrapper about the folded book, and means for printing upon the wrapper on the wrapped book.

1,407,647. CULTIVATOR. ARTHUR LEONARD ELLEDGE, Duncan, Ariz. Filed Feb. 23, 1921. Serial No. 447,025. 9 Claims. (Cl. 55—62.)



1. A wheeled frame, knives carried thereby, means actuated by the wheels of the frame for operating the knives and means for preventing such operation of the knives except at predetermined intervals.

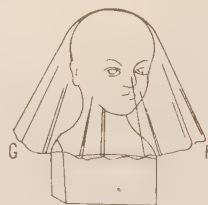
1,407,648. VEHICLE. JEAN MARIE CONSTANT FALKE, Paris, and THÉOPHILE HENRI MAXIMIN SALCE, Lyon, France. Filed Apr. 14, 1920. Serial No. 373,799. 4 Claims. (Cl. 208—41.)



1. The combination, with a vehicle, of a member slidably mounted upon the chassis and adapted to be moved longitudinally thereof, elastic members adapted to press constantly said slidable member forwardly, a flexible connecting member having one end attached to said slidable member, and being provided with two handles at the other

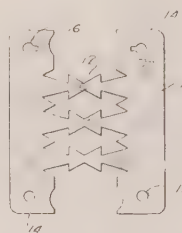
end, said flexible connecting member engaging an actuating member intermediate said ends and being adapted to impart a rotary motion to said actuating member when moved longitudinally, a one-way coupling between said actuating member and a rear vehicle wheel adapted to drive the latter when the flexible connecting member is pulled rearwards against the action of the elastic members.

1,407,649. SEAMLESS HEAD AND PART OF TOY OF FELT OR THE LIKE. MARIO FRANCO, Turin, Italy. Filed Jan. 29, 1921. Serial No. 441,061. 1 Claim. (Cl. 18—56.)



In the manufacture of toys, such as dolls and animals, the method of moulding different toy parts from a single piece or blank of felt, leather, or similar flexible material, which consists in forming the blank into bag-shape, then coating said bag-shaped blank with an adhesive, then permitting said adhesive to dry, then softening said bag-shaped blank by the application of steam thereto, and, finally, moulding the bag-shaped blank between a die and a matrix.

1,407,650. CLAMP. JOSEPH GENTILE, Brooklyn, N. Y. Filed Apr. 22, 1921. Serial No. 463,518. 1 Claim. (Cl. 24—19.)

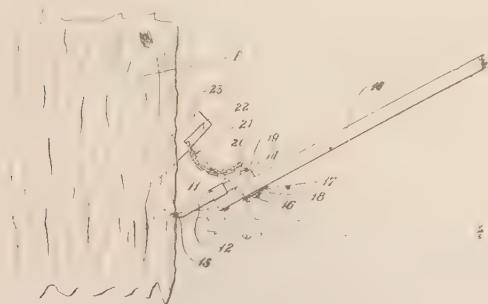


A clamp comprising a frame having a cylindrical-shaped body, said frame being provided at either end with a pair of spaced ears projecting from and made integral with the wall of said body, one ear of each pair being provided with an annular perforation and the other with a slotted perforation, a pair of binding elements each of which having an upper portion disposed within and conforming in shape with, said body but having its free ends spaced apart, each of said binding elements being provided with a tongue portion bent upwardly at its free end so as to engage an ear of each pair, said tongue having a perforation in alignment with the perforations in said ears, clamp screws adapted to engage the perforations in said ears and tongues, said screws being provided with shoulders at their head portions which are adapted to engage the slotted perforations in said ears, and nuts operable on said screws adapted to bring the ears of each pair closer together thereby forcing the free ends of each binding element toward each other.

1,407,651. LUMBER-JACK'S PLATFORM. LUCIEN L. GREGG, Olympia, Wash. Filed Sept. 15, 1919. Serial No. 323,682. 4 Claims. (Cl. 304—28.)

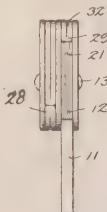
1. A device of the character described comprising an elongated platform, a horizontally disposed guide bracket

secured upon one end thereof, a U-shaped prong member extending through said bracket and pivoted upon said



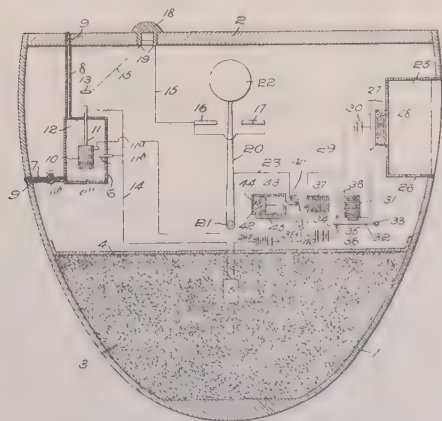
platform, a wedge member adapted to be driven into a tree, and a flexible member connected with said wedge member and with said platform.

1,407,652. POCKETKNIFE. PETER WILLIAM HALLVARSON, Black Diamond, Alberta, Canada. Filed Feb. 10, 1921. Serial No. 443,899. 6 Claims. (Cl. 30—10.)



1. A pocket knife handle construction, comprising a single sheet of material bent to provide parallel spaced walls connected by bights reversely bent in upon themselves to provide a solid integral filler affording a space between the walls equal to twice the width of the material from which the handle is constructed, said space defining a knife blade receiving compartment.

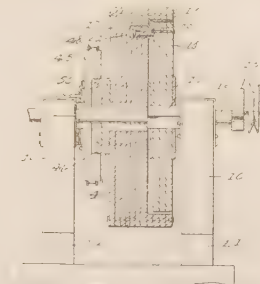
1,407,653. FLOATING MINE AND METHOD OF CONTROLLING SAME. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Aug. 24, 1914, Serial No. 858,202. Renewed July 12, 1921. Serial No. 484,190. 27 Claims. (Cl. 102—3.)



21. The combination with a mine, of means automatically operative to explode said mine as a result of a sudden displacement of said mine, and means responsive only to impulses having a given characteristic for rendering

said mine ineffective while said impulses are being received, said first mentioned means being automatically restored to a potential condition upon the cessation of said impulses.

1,407,654. WELL DRILL JACK. LOUIS P. HANSEN, Burns, Kans. Filed Mar. 1, 1920. Serial No. 362,484. 1 Claim. (Cl. 255—8.)

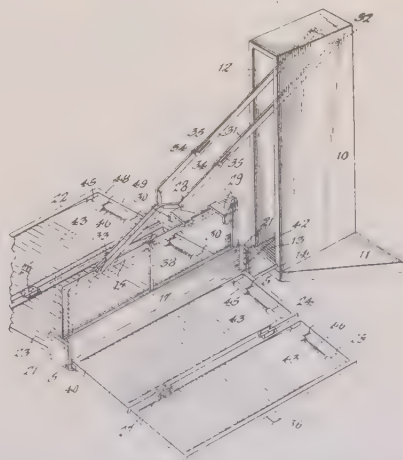


A spudding mechanism having a driving drum peripherally adapted for traverse by a belt and provided with a lateral recess overhung by the rim of the drum, a spudding disk housed in the recess of the drum and overhung by said rim thereof, and a spudding shaft upon which the drum is loosely mounted and to which said disk is fixed, said shaft being provided with a spudding crank, and said drum and disk being provided at their adjacent inner faces respectively inset from the periphery of the disk with an arcuate channel and a tappet for traversing the channel.

1,407,655. PROCESS OF MANUFACTURE OF SLABS OF COMPRESSED CORK. EMIL HORNSTEIN, Vienna, Austria. Filed July 13, 1914. Serial No. 850,626. 9 Claims. (Cl. 154—2.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

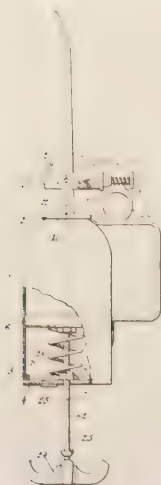
3. A process for manufacturing compact and solid slabs of compressed cork, consisting in forming a slab of compressed cork; dividing said slab into thin layers; forming said layers into a pile; causing said layers by the action of heat to become sticky with the products of distillation; subjecting said pile to pressure; and driving the pile.

1,407,656. CARD-INDEX CABINET. ALFONSO L. JAYNES, Buffalo, N. Y. Filed Sept. 2, 1921. Serial No. 497,916. 5 Claims. (Cl. 45—2.)



1. A card index cabinet comprising a casing, a carrier foldable into said casing and unfoldable therefrom, a foldable inner card-holding leaf hinged to the side of said carrier, and a foldable outer leaf hinged to the free edge of said inner leaf.

1,407,657. OIL CAN. EDWIN JOHANSON, Troy, Idaho.
Filed July 19, 1919. Serial No. 311,991. 2 Claims. (Cl. 221-47.)



1. A device of the character described comprising a body, a spout provided thereon, a screw top removably securing said body to the can, the bottom of the can being screw threaded to the body, and a piston located within said body and having its rods extending through the bottom thereof, a coiled spring located between the piston and the bottom of the can, means for closing the spout consisting of a casing extending crosswise of the spout and having one end closed and the remaining end open, a valve closing the ends of the spout and the screw top and the stem of said valve passing through the lower part of spout into the casing where it is provided with an enlarged head, a stopper closing the open end of the casing and a stem passing therethrough and having an enlarged head provided thereon, a coil spring adapted to hold said stem in its outer position, a packing gland pressing one end of said spring and the enlarged head pressing against the remaining end, a valve lifter having its forked ends engaged by the inner ends of said stem and a clevis carrying said lifter and the former being mounted on the stopper, and the other forked end of the lifter engaging the enlarged head of the valve stem.

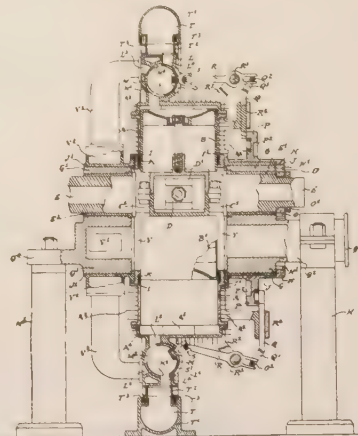
1,407,658. WRISTLET. JAMES P. KELLY, New York, N. Y.
Filed May 13, 1921. Serial No. 469,225. 1 Claim. (Cl. 2-95.)



As a new article of manufacture, a wristlet for window washers and the like, comprising a cylindrical portion of uniform diameter adapted to receive the wrist of the wearer, said cylindrical portion of uniform diameter being bounded on each of its ends with a reinforcing rib and a flared portion extending forwardly from the forward end

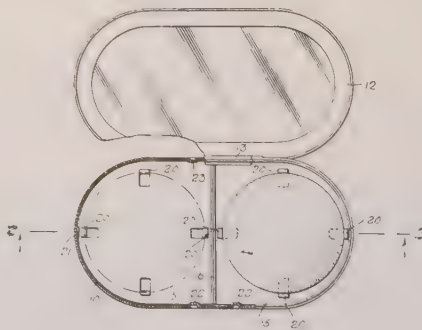
of the cylindrical portion, and adapted to receive the lower hand portion of the operator, said flared portion being bounded on its free end by means of a reinforcing rib.

1,407,659. ROTARY ENGINE ADAPTABLE AS MOTOR, PUMP, OR METER. JAMES REGINALD KEMP, Newbury, England. Filed Jan. 24, 1919. Serial No. 272,881. 8 Claims. (Cl. 123-44.)



1. In a rotary engine, the combination of a fixed drum having an eccentrically arranged shaft bearing, a pair of cylinders rigidly secured together in parallel relation supported upon said drum for rotation on an axis at right angles to the longitudinal axes of the cylinders, reciprocating pistons in the cylinders, and a power shaft mounted for rotation in the eccentric bearing of the drum and a lateral sliding connection between the power shaft and pistons.

1,407,660. VANITY CASE. WILLIAM G. KENDALL, Newark, N. J. Filed Mar. 22, 1921. Serial No. 454,591. 5 Claims. (Cl. 132-83.)

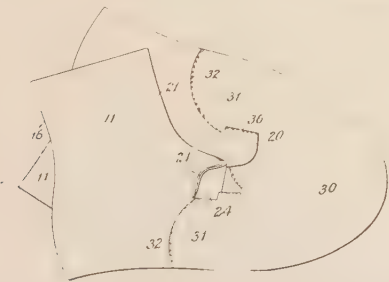


3. In a vanity case, a case body having an inwardly bent rim at the top and having at the front and rear inwardly extending dents spaced from the bottom of the case body, bottom plates resting on the bottom of the case body and adapted to support cosmetic carriers, the said dents carrying the said bottom plates, transverse partition members rising from the said plates and dividing the case body into two compartments, spring tongues struck up from the bottom plates and adapted to engage the peripheral edges of the said cosmetic carriers, and lugs struck up from the said bottom plates and extending under the said rim.

1,407,661. SHOE. LEVI C. KENTON, Chattanooga, Tenn. Filed Dec. 9, 1920. Serial No. 429,527. 8 Claims. (Cl. 36-45.)

1. A shoe of the blucher type, comprising side portions having extensions stamped therefrom to provide recesses,

said siues being secured together to bring said recesses into alignment, a tongue having one end fitted in the

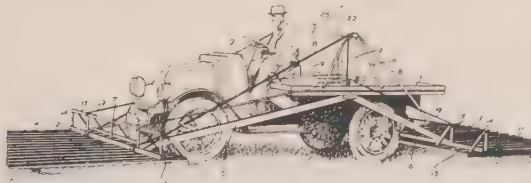


aligned recesses and secured to the sides, and a vamp fitted over the front portion of the sides and having the extensions secured over the same.

1,407,662. COMPOSITION FOR PAINT. HAMPTON CHAS. KISHPAUGH, Raymond, Minn. Filed Oct. 14, 1921. Serial No. 507,770. 1 Claim. (Cl. 134—46.)

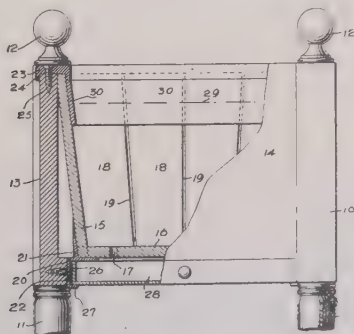
A paint composition of clay one hundred (100) parts, lime (either quick or slaked) five (5) to twenty-five (25) parts, pigment enough to produce the desired color, compounded by thoroughly mixing and grinding these ingredients in the stated proportions.

1,407,663. HAYRAKE. WESLEY KOUNS, Salina, Kans.
Filed Dec. 7, 1920. Serial No. 428,945. 5 Claims.
(Cl. 56—396.)



5. A rake construction for use in connection with trucks having a body portion, which comprises a truss frame mounted on a body portion, a rake frame supported at each end of the truck, a plurality of truss members extending from the truss frame in different directions from the rake frames, means for pivotally connecting each frame to the truss members, means on the body portion for operating the pivoted rake frames, and connections between the rake frames and said operating means.

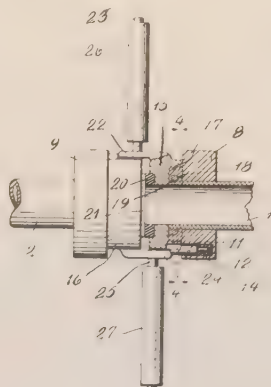
1,407,664. HOLDER FOR GROWING PLANTS. ELIAS KUEBLER and OTTO NIEDERBERGER, New York, N. Y. Filed Dec. 16, 1920. Serial No. 431,162. 1 Claim. (Cl. 47-19.)



A growing plant holder, comprising a plurality of vertical columns, side walls secured therebetween, re-

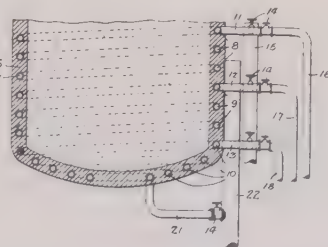
cessed strips engaged at the upper ends of said columns, to which said side walls are secured, an angular metallic frame secured to the bottom of said side walls, a soil receptacle including a perforated bottom and a side wall comprising a plurality of vertical slats having their upper ends disposed in the recess of said strips and resting within the angles of said frame at their lower ends, said slats being loosely contained and having spaces between their adjacent edges, and a drip pan adapted to be disposed below the bottom of said soil receptacle for receiving the drippings therefrom, in combination with means for obstructing the spaces between said slats above the level of the soil contained in the receptacle whereby air will be admitted through said spaces and the escape of water will be prevented therethrough above the soil level.

1,407,665. AUTOMATIC TRAIN-PIPE COUPLING.
LEONARD LE BARON and ARTHUR C. HARRELL, Pensacola,
Fla. Filed Jan. 5, 1921. Serial No. 435,195. 8
Claims. (Cl. 285—58.)



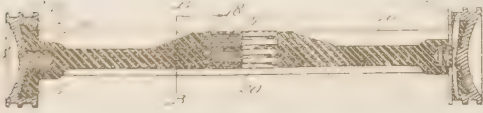
6. In combination with a pair of train pipes, fixed heads thereon, rotatable heads mounted in conjunction with said fixed heads, means carried by the fixed heads to normally prevent the rotation of said rotatable heads, and coupling means adapted to unite the rotatable heads and initially acting on said last named means to free the rotatable heads, substantially as described.

1,407,666. TEMPERATURE CONTROL OF KETTLES BY ZONES. JOHN GEORGE LEEMAN, Bethlehem, Pa., assignor to Bethlehem Foundry & Manufacturing Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed Sept. 27, 1919. Serial No. 327,907. 6 Claims. (Cl. 257—211.)



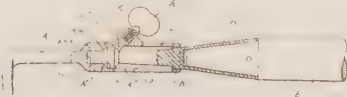
1. In a device for treating liquids, a kettle having fluid passages in the walls thereof, and a plurality of points of inlet to and outlet from the said passages, in combination with controlled fluid supply for the inlets whereby fluid can be passed through the passages surrounding one or more belts or zones of said kettle without passing through the other belt or belts thereof.

- 1,407,667. ENGINE PISTON. CHARLES DE LUKACSEVICS and EDMUND LOFFLER, New York, N. Y. Filed Apr. 30, 1920. Serial No. 377,989. 3 Claims. (Cl. 74-108.)



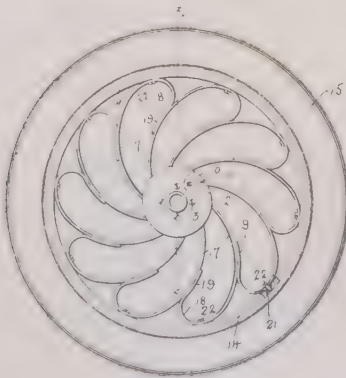
1. A piston having a body portion composed of a phenol condensation product, and a metallic piston head having a stem provided with grooves for firmly embedding the metallic piston head in said condensation material while the latter is in a plastic state.

- 1,407,668. INTERCHANGEABLE TOOL-HOLDER FERRULE. ALEXANDER MCCALLUM, Menominee, Mich. Filed Dec. 12, 1918. Serial No. 266,462. 1 Claim. (Cl. 279-83.)



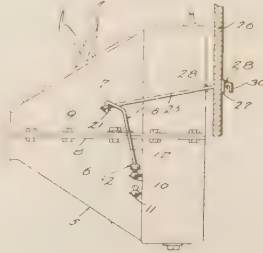
In an interchangeable tool holder ferrule, in combination with a handle and a hollow shank end tool, a handle receiving socket formed in one end of the ferrule, and, its opposite end formed into a square portion; two oppositely inclined conical shoulders formed inwardly from the end of the square end portion of the ferrule, the inner shoulder thereof adapted to receive a tool securing thumb-screw thereon; a hollow shank-end tool having a conical bore, and, a square socket formed in the bottom of said bore, and each adapted to receive therein the outer conical shoulder and square portion of the tool holder ferrule; and a tool securing means diagonally mounted in the hollow shank-end of the tool.

- 1,407,669. SPRING WHEEL. LOUIS MARK and PETE BIALY, Portland, Oreg. Filed Mar. 23, 1921. Serial No. 454,963. 1 Claim. (Cl. 152-50.)



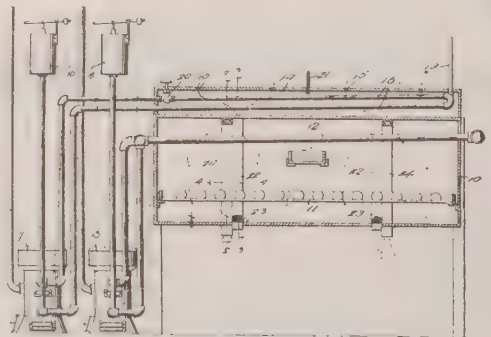
A vehicle wheel including a rim and hub, resilient spokes attached at their inner ends to the hub and bent intermediate the ends and directed toward the hub and attached at the bent portion to the rim, the terminals of the bent portion being unattached and frictionally engaging the body portion of the next spoke in advance and reinforcing the same.

- 1,407,670. OIL-LEVEL INDICATOR. HERMAN GUSTAVE MUELLERWEISS and BRUCE EMERSON BRAUN, Sebewaing, Mich. Filed June 9, 1921. Serial No. 476,365. 4 Claims. (Cl. 137-139.)



1. An attachment for internal combustion engines comprising a rod having a bend defining a pair of branches extending angularly with relation to each other, one of the branches being formed with a socket adapted for connection with the oil indicating cock of an internal combustion engine, a link connected to the other branch, and means associated with said link to limit the endwise movement of the same.

- 1,407,671. INCUBATOR. ALFRED THRUSTON POPE, Louisville, Ky. Filed Oct. 6, 1920. Serial No. 415,027. 6 Claims. (Cl. 119-42.)

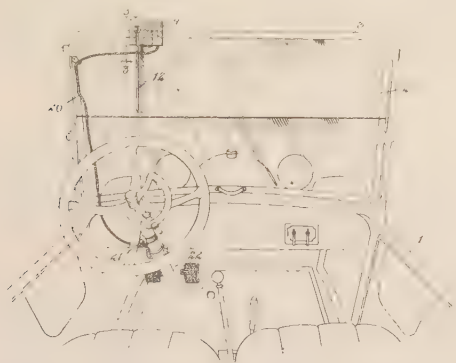


1. The combination with an incubator embodying an egg chamber and a heating element located adjacent the top of the egg chamber, of a box located upon the top of the incubator and provided with vents, a heating element disposed within the box, a conduit leading from the bottom of the egg chamber and discharging into the bottom of the box, and a conduit leading from the atmosphere and discharging into the top of the egg chamber above and upon the heating element therein.

- 1,407,672. WINDSHIELD CLEANER. SAMUEL ROBINSON, White Plains, N. Y. Filed Mar. 5, 1921. Serial No. 449,654. 2 Claims. (Cl. 15-253.)

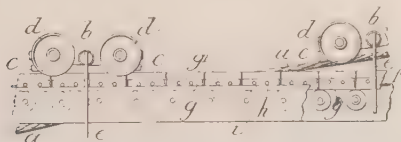
1. A windshield wiper comprising a casing having means whereby the same may be secured to a windshield, a sleeve extended into the casing, a shaft rotatably extended through said sleeve and having one end provided with a power transmitting member, a wiper connected to the other end of said shaft, operating means arranged within the casing and associated with said power trans-

mitting member, and a coiled spring confined between said sleeve and said power transmitting member for urging



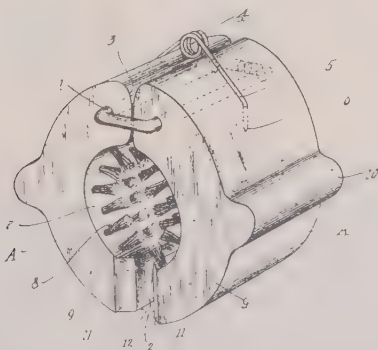
ing the power transmitting member into engagement with the operating means and for urging said wiper into contact with the windshield.

1,407,673. OVERHEAD CONVEYING SYSTEM FOR THE TRANSPORT OF MATERIALS. JOHN PEARCE ROE, London, England. Filed Aug. 22, 1921. Serial No. 494,125. 11 Claims. (Cl. 104—172.)



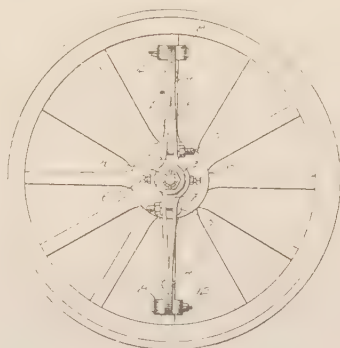
1. In an overhead conveying system, a flexible movable rail on to which the wheels or clips of a carrier can automatically take at stations, bunkers and similar turn out places associated with the overhead conveying system, and a stationary girder, trough or guide arranged to follow any desired direction or path and adapted to support the flexible movable rail, substantially as described.

1,407,674. BRUSH. WILLIAM G. ROEPKE, Hudson, Wis. Filed Apr. 13, 1921. Serial No. 460,971. 3 Claims. (Cl. 15—13.)



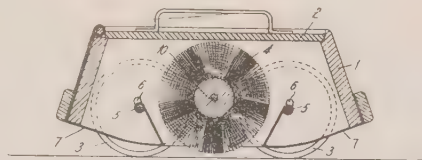
1. A brush comprising a plurality of brush members each of arcuate form and having bristles extending inwardly from their concave faces, each brush member being formed with an opening extending in an axial direction adjacent one edge, a substantially U-shaped pintle member passed through the openings for hingedly connecting the brush members, the edges of the brush members between the legs of the pintle member coacting to limit the opening movement of the brush members, and means for urging the brush members closed.

1,407,675. EMERGENCY REPAIR HUB FOR AUTOMOBILES. HAROLD N. ROOK and FRANK M. PAYN, Friendship, Wis. Filed Sept. 13, 1921. Serial No. 500,280. 5 Claims. (Cl. 301—111.)



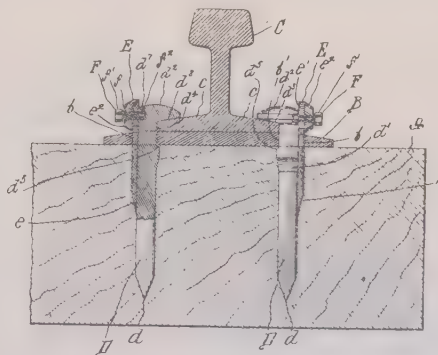
1. An emergency repair hub comprising hub clamping members having converging longitudinal extensions carrying spoke engaging elements, said members being equipped with means for tightly clamping them to the wheel hub.

1,407,676. CARPET SWEEPER. CARL HERRMANN ROTH, Southport, Lancaster, England. Filed Jan. 12, 1920. Serial No. 350,803. 2 Claims. (Cl. 15—41.)



1. In a carpet sweeper, a receptacle, supporting rollers and axles therefor vertically movable relative to the receptacle, a dust pan forming the base of the receptacle and affording resilient support for an axle and a brush in the receptacle driven by said rollers.

1,407,677. MEANS FOR SECURING RAILS IN PLACE. GEORGE ROUSSEL, Donner, La. Filed Sept. 9, 1921. Serial No. 499,374. 4 Claims. (Cl. 238—295.)

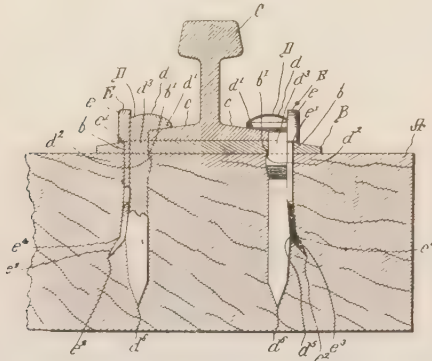


1. In a rail fastening arrangement, the combination with a flanged rail and a rail plate mounted above a cross tie and supporting the rail, said rail plate being provided with a laterally elongated opening, of a spike having its body portion of somewhat less diameter than said opening and provided with a laterally projecting head, a channel beneath the head, with a shoulder below said channel, the width of said channel being sufficient to engage the adjacent walls of the rail and of the opening.

a wedge driven into said opening in rear of said spike, filling said opening and causing said shoulder to project beneath the bottom of said plate, and means for locking said wedge against withdrawal relative to said spike.

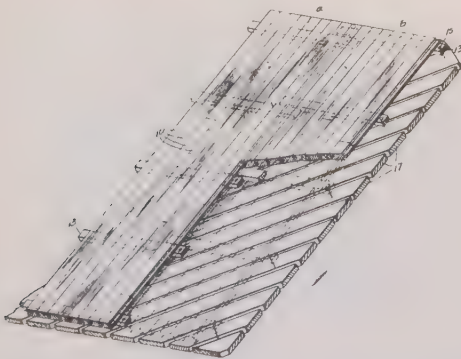
1,407,678. MEANS FOR SECURING RAILS IN PLACE.

GEORGE ROUSSEL, Donner, La., assignor of one-fourth to Robert Sidney Salsman, Donner, La. Filed Nov. 28, 1921. Serial No. 518,395. 2 Claims. (Cl. 238—295.)



1. In a rail fastening arrangement, the combination with a flanged rail and a rail plate mounted above a cross tie and supporting the rail, said rail plate being provided with a laterally elongated opening, of a spike having its body portion of somewhat less diameter than said opening and provided with a laterally projecting head, and with wedge faces forming a hump on the back thereof, the said spike having a reduced portion or channel beneath the head, with a shoulder below said channel, the width of said channel being sufficient to engage the adjacent walls of the rail and of the opening, and a metal wedge driven into said opening in rear of said spike, filling said opening and causing said shoulder to project beneath the bottom of said plate, the said wedge also passing below and bending beneath said hump, thereby locking said wedge and said spike both against accidental withdrawal.

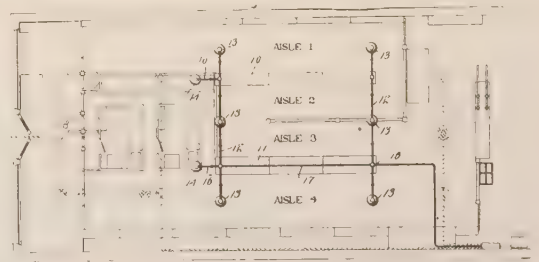
1,407,679. FLOORING CONSTRUCTION. WILLIAM E. RUTHRAUFF, Coffeyville, Kans. Filed May 31, 1921. Serial No. 473,982. 3 Claims. (Cl. 20—6.)



1. In a flooring construction, a plurality of individual flooring strips having their opposite side edges engaged and glued one to the other to form a relatively wide finished floor tread section, a plurality of spaced cleats extending transversely of the under sides of the sections and having the said flooring strips individually secured thereto, the opposite ends of said cleats being arranged

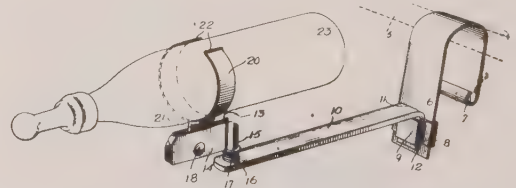
to project from the outer opposite side edges of the section, and fastening means adapted to engage the cleats of several of said sections at one end thereof only for securing the said sections in close edge to edge abutting position, whereby to form a finished floor tread surface, the projecting ends of said cleats being adapted to underlie the flooring sections adjacent thereto.

1,407,680. LIGHTING SYSTEM FOR SELF-SERVING STORES. CLARENCE SAUNDERS, Memphis, Tenn., assignor to Piggly Wiggly Corporation, Memphis, Tenn., a Corporation of Delaware. Filed Sept. 18, 1920. Serial No. 411,120. 4 Claims. (Cl. 240—3.)



1. An apparatus for the vending of merchandise comprising a series of merchandise holders arranged parallel to each other and spaced from each other and from the walls or partitions of the store to provide a single circuitous pathway for customers and a lighting system therefor comprising lighting fixtures extending transversely of said holders adjacent their ends and lamps on the fixtures midway of the parallel parts of the pathway, substantially as set forth.

1,407,681. NURSING-BOTTLE HOLDER. WILLIAM H. SAUNDERS, New York, N. Y. Filed Apr. 13, 1921. Serial No. 460,915. 1 Claim. (Cl. 248—65.)

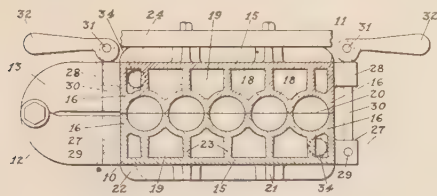


A nursing bottle holder comprising a support in the form of a resilient hooked member, a socket carried by one end of said support, an arm, a right-angular extension formed on one end of said arm and adapted to be received within the socket carried by the support to support the arm at substantially right angles to said support, a pin carried upon the free end of said arm upon the upper face thereof, a substantially U-shaped member embracing said pin, a spring interposed between said U-shaped member and the arm and surrounding said pin, and a bottle holder in the form of a resilient clamping member pivotally mounted between the legs of the U-shaped member, which embraces the pin.

1,407,682. COMBINATION MOLD. ARNOLD L. SCHAVOIR, Stamford, Conn. Filed Apr. 28, 1921. Serial No. 465,338. 3 Claims. (Cl. 18—42.)

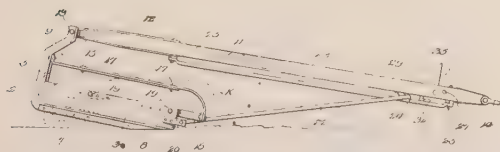
1. A combination mold comprising a pair of sections each consisting of a casting having side and end walls

and a pair of bases, one of said bases of each section constituting a series of half-molds, said bases, side and



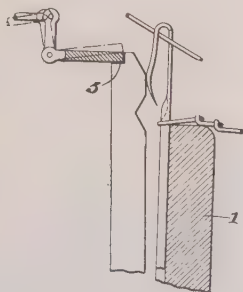
end walls of each section enclosing a chamber partially surrounding said half-molds, and said chambers having openings to receive hot and cold fluids.

1,407,683. SCRAPER. NATHANIEL P. SLATE, Tangent, Oreg. Filed June 5, 1920. Serial No. 386,893. 10 Claims. (Cl. 37—40.)



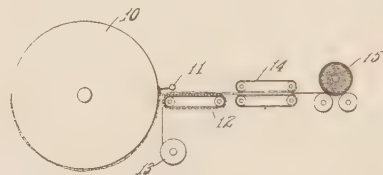
1. A scraper comprising a scoop, a draft tongue having a pivotal connection with the back of the scoop, a draft-applying device pivotally connected at its rear end with the front of the scoop, and means on the tongue to engage the front end of said draft-applying device and hold it in a set position.

1,407,684. NEEDLE-PRESSING MEANS FOR KNITTING MACHINES. KENNETH HOWIE, Philadelphia, Pa., assignor to Wildman Manufacturing Company, Norristown, Pa., a Corporation of Pennsylvania. Filed July 23, 1919. Serial No. 312,649. 4 Claims. (Cl. 66—21.)



1. In combination in a spring beard needle knitting machine, a row of spring beard needles, a series of upstanding pressers arranged in a row parallel with the row of needles, one of which pressers is arranged in front of each needle and having movement at its upper part towards and from the needle for performing the pressing actions, and cam means, said cam means and row of pressers having relative traversing movement in a direction along the presser row and in said movement operating certain of the pressers and missing others, substantially as described.

1,407,685. MACHINE FOR MANUFACTURING ASBESTOS YARN. JOHN ALLEN HEANY, New Haven, Conn., assignor, by mesne assignments, to Rockbestos Products Corporation, a Corporation of Delaware. Filed Mar. 3, 1920. Serial No. 362,968. 3 Claims. (Cl. 19—12.)

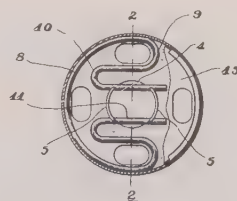


1. In combination with a carding machine, a pair of longitudinally-progressing and laterally-reciprocating rub belts, a transfer belt supported between said rub belts and the doffer rings of the carding machine, means for directing supporting filaments along said transfer belt, said transfer belt being arranged to receive thereon slivers of asbestos stripped from the doffer rings and to feed said slivers, together with reinforcing filaments, to said rub belts, said transfer belt being provided with metallic reinforcement for supporting said filaments.

1,407,686. METHOD OF TREATING ASBESTOS. JOHN ALLEN HEANY, New Haven, Conn., assignor, by mesne assignments, to Rockbestos Products Corporation, a Corporation of Delaware. Filed Mar. 13, 1920. Serial No. 365,497. 4 Claims. (Cl. 13—9.)

1. The process of treating materials in preparation for the manufacture of yarn which consists in combining the cleaning of asbestos as it comes commercially from the mines or while yet in an impure condition, and the incorporating therewith of cotton or other fibers, by putting the asbestos material and the cotton or other fibers at the same time or times through a machine which picks apart the fibers and mixes them in a flocculent condition and also eliminates impurities accompanying the uncleaned or only partially cleaned asbestos material.

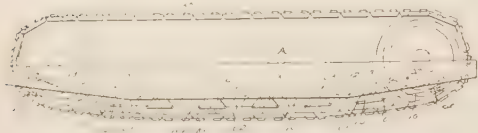
1,407,687. SOCKET MEMBER FOR SNAP FASTENERS. GILBERT R. UPHAM, Philadelphia, Pa., assignor to The De Long Hook and Eye Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 27, 1921. Serial No. 487,881. 1 Claim. (Cl. 24—218.)



The socket member of a snap fastener, comprising a disk-like metal plate member having a flange at its outer edge and a central socket opening and having oppositely disposed flanges surrounding portions of said opening, said flanges projecting laterally from said plate member and being provided with notches in the opposite edges thereof, a spring seated against the inner face of said plate member, said spring being provided with parallel portions which are adapted to overlie portions of said opening, the said parallel portions of said spring being situated within the said notches and contacting with the opposite edges of the said last mentioned flanges, and a cover plate extending over the said spring and the said projections and being retained by overturning the edge portions of the first mentioned flange.

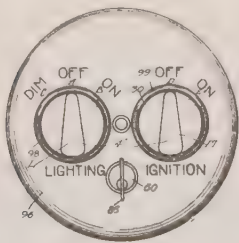
REISSUES.

15,288. MEANS OF SUSPENSION OF VEHICLES. PHILIP H. JOHNSON, Old Charlton, England, assignor to Roadless Traction Limited, London, England. Filed Oct. 15, 1921. Serial No. 508,029. Original No. 1,329,769, dated Feb. 3, 1920, Serial No. 296,562, filed May 12, 1919. 25 Claims. (Cl. 305—9.)



21. Suspension means for vehicles, comprising a frame, rope guides thereon, supporting members for said frame which are independently movable with relation thereto and extend to ground level, rope guides on said supporting members, and a body-supporting rope passing alternately under and over said rope guides.

15,289. COMBINATION LIGHTING AND IGNITION SWITCH. WILLIAM KAISLING, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 17, 1921. Serial No. 523,192. Original No. 1,399,017, dated Dec. 6, 1921, Serial No. 173,084, filed June 6, 1917. 40 Claims. (Cl. 200—44.)

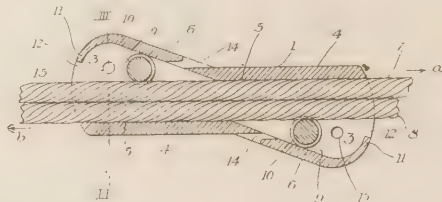


1. A switch device including a light switch and an ignition switch, a mounting plate provided with a pair of firmly secured studs, a movable contact maker for said light switch supported by one of said studs, a movable contact member for said ignition switch supported by the other of said studs, a slidable lock plate for locking said switches, slots for said lock plate through which said studs project, collars adapted to fit over said studs into the slots of said lock plate, said collars forming guides for said plate and bearings for said rotatable contact makers, and a cover-cap for preventing displacement of said contact makers.

15,290. CABLE CLAMP. CHARLES W. KEMPER and JOHN T. KEMPER, Alameda, Calif. Filed Apr. 7, 1921. Serial No. 459,416. Original No. 1,366,007, dated Jan. 18, 1921, Serial No. 304,877, filed June 17, 1919. 9 Claims. (Cl. 24—126.)

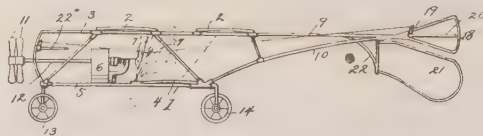
2. A cable clamp comprising a fixed housing having inwardly tapering communicating cavities formed between relatively stationary walls, one wall of each cavity being laterally off-set but parallel with the corresponding wall of the other cavity and providing bearing faces for

a pair of inserted contacting cables, the other wall of each cavity converging inwardly with relation to its opposite wall, and a gripping roller in each cavity adapted to engage said converging wall and an adjacent cable



and to force it against a companion cable in gripping resistance to longitudinal strains in opposite directions, and an inwardly deflected roller-retaining portion at each end of the clamp.

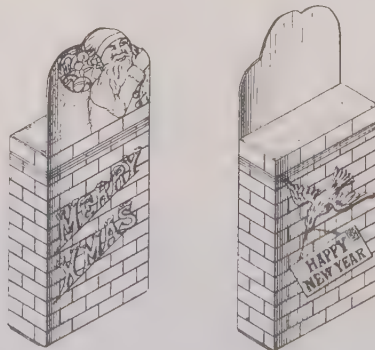
15,291. AEROPLANE. JOHN SHARP and EDWARD SHARP, Cleveland, Ohio. Filed July 19, 1918. Serial No. 245,782. Original No. 1,049,540, dated Jan. 7, 1913, Serial No. 528,823, filed Nov. 18, 1909. 5 Claims. (Cl. 244—12.)



5. In an aeroplane, the combination with planes, arranged at upper and lower levels, the edges of the lower planes being intermediate of, and staggered to or with the edges of the upper planes, of rotatable propellers, arranged intermediate of the upper and lower planes, and adapted to force the current of air against the upper planes, and supporting frame for said planes and propeller.

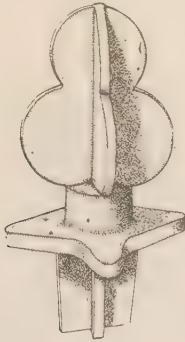
DESIGNS.

60,438. FANCY BOX. SAMUEL ANHOUSE, New York, N. Y. Filed July 7, 1921. Serial No. 483,059. Term of patent 7 years.



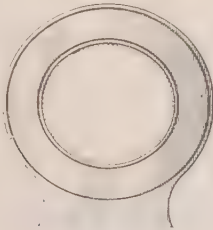
The ornamental design for a fancy box, as shown.

60,439. CAP FOR A CLOTHES POST OR SIMILAR ARTICLE. WILLIS G. BANKS, East Orange, N. J. Filed Aug. 13, 1921. Serial No. 492,166. Term of patent 7 years.



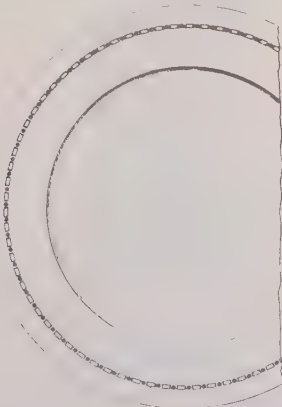
The ornamental design for a cap for a clothes post or similar article, as shown.

60,440. DISPLAY COLLAR FOR A RECEPTACLE. WILLIAM BOUCHER, Jr., Baltimore, Md. Filed May 2, 1921. Serial No. 466,244. Term of patent $3\frac{1}{2}$ years.



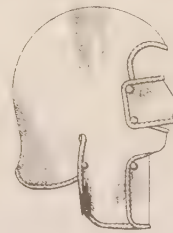
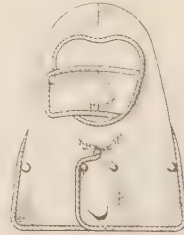
The ornamental design for a display collar for a receptacle, as shown.

60,441. PLATE OR SIMILAR ARTICLE. LEWIS H. BOWN, East Aurora, N. Y., assignor to Buffalo Pottery, Buffalo, N. Y. Filed Aug. 12, 1921. Serial No. 491,866. Term of patent $3\frac{1}{2}$ years.



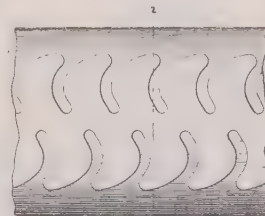
The ornamental design for a plate or similar article, as shown.

60,442. HELMET. BERNHARD BUDWEISER, Chicago, Ill. Filed Mar. 1, 1920. Serial No. 362,563. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a helmet as shown in the drawing.

60,443. TIRE TREAD. ALBERT A. BUSH, Akron, Ohio, assignor to The Oldfield Tire Company, Akron, Ohio, a Corporation of Ohio. Filed July 18, 1921. Serial No. 485,750. Term of patent 14 years.



The ornamental design for a tire tread as shown.

60,444. SCHOOL BAG. WILLIAM CHERNOFF, Brooklyn, N. Y. Filed Feb. 12, 1919. Serial No. 276,658. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a school bag as shown.

60,445. DOLL. REES DAVIS, Chicago, Ill. Filed Feb. 18, 1921. Serial No. 446,173. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a doll as shown.

60,446. DOLL. REES DAVIS, Chicago, Ill. Filed Feb. 18, 1921. Serial No. 446,176. Term of patent $3\frac{1}{2}$ years.



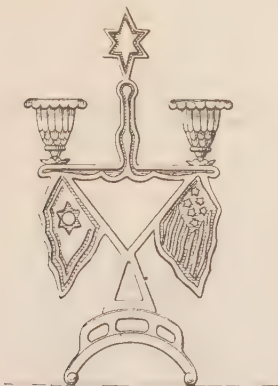
The ornamental design for a doll as shown.

60,447. DOLL. REES DAVIS, Chicago, Ill. Filed Feb. 18, 1921. Serial No. 446,177. Term of patent $3\frac{1}{2}$ years.



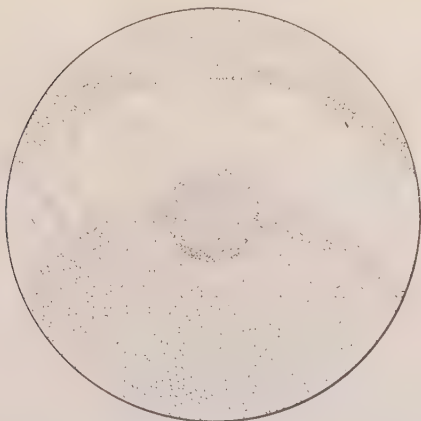
The ornamental design for a doll as shown.

60,448. CANDELABRUM. DAVID DINBERG, Ogdensburg, N. Y. Filed Nov. 4, 1920. Serial No. 421,771. Term of patent 7 years.



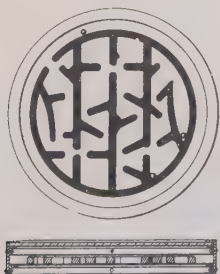
The ornamental design for candelabra as shown.

60,449. LENS FOR HEADLIGHTS. OLIVER C. ECKEL, Mount Vernon, N. Y. Filed May 4, 1921. Serial No. 466,756. Term of patent $3\frac{1}{2}$ years.



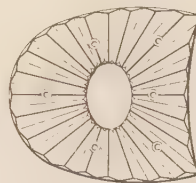
The ornamental design for a lens for headlights, as shown.

60,450. PUZZLE OR GAME BOARD. JUAN ANTIGUA Y ESCOBAR, Habana, Cuba. Filed Sept. 10, 1920. Serial No. 409,484. Term of patent $3\frac{1}{2}$ years.



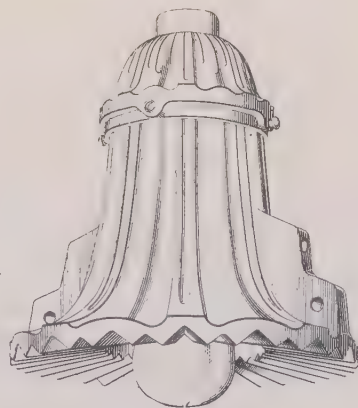
The ornamental design for a puzzle or game board, as shown.

60,451. RUBBER HEEL. ALFRED A. GLIDDEN, Watertown, and LEONARD E. BEST, Boston, Mass., assignors to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed May 25, 1921. Serial No. 472,602. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a rubber heel, as shown.

60,452. ELECTRIC-LIGHTING FIXTURE. JOSEPH W. GOSLING, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 12, 1921. Serial No. 444,617. Term of patent 14 years.



An ornamental design for an electric lighting fixture as shown and described.

60,453. ELECTRIC-LIGHTING FIXTURE. JOSEPH W. GOSLING, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 12, 1921. Serial No. 444,618. Term of patent 14 years.



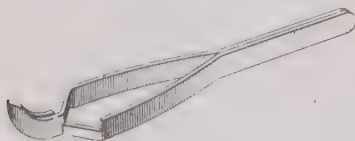
An ornamental design for an electric lighting fixture as shown and described.

60,454. PLAQUE. ALBERT INGELSKY, Buffalo, N. Y. Filed Apr. 22, 1921. Serial No. 463,642. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a plaque as shown and described.

60,455. TWEEZERS. SIDNEY BENEDICT KAHNWEILER, Atlantic City, N. J. Filed Aug. 30, 1921. Serial No. 497,062. Term of patent 14 years.



The new and ornamental design for tweezers as shown.

60,456. FINGER RING. AUGUST KLEIN, Camden, N. J. Filed Aug. 21, 1920. Serial No. 405,210. Term of patent 14 years.



The ornamental design for a finger ring, as shown.

60,457. FINGER RING. AUGUST KLEIN, Camden, N. J. Filed Aug. 21, 1920. Serial No. 405,211. Term of patent 14 years.



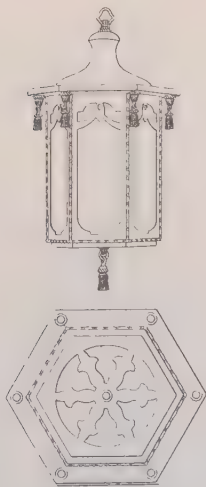
The ornamental design for a finger ring, as shown.

60,458. LIGHTING FIXTURE. ISIDORE KRANZ, New York, N. Y. Filed May 10, 1921. Serial No. 468,418. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a lighting fixture, as shown.

60,459. LIGHTING FIXTURE. ISIDORE KRANZ, New York, N. Y. Filed May 10, 1921. Serial No. 468,419. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a lighting fixture, as shown.

60,460. LIGHTING FIXTURE. ISIDORE KRANZ, New York, N. Y. Filed May 10, 1921. Serial No. 468,420. Term of patent $3\frac{1}{2}$ years.



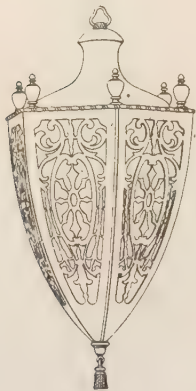
The ornamental design for a lighting fixture, as shown.

60,461. LIGHTING FIXTURE. ISIDORE KRANZ, New York, N. Y. Filed May 10, 1921. Serial No. 468,421. Term of patent $3\frac{1}{2}$ years.



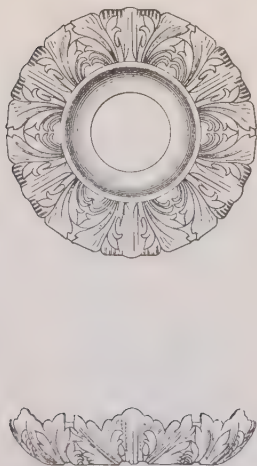
The ornamental design for a lighting fixture, as shown.

60,462. LIGHTING FIXTURE. ISIDORE KRANZ, New York, N. Y. Filed May 10, 1921. Serial No. 468,422. Term of patent $3\frac{1}{2}$ years.



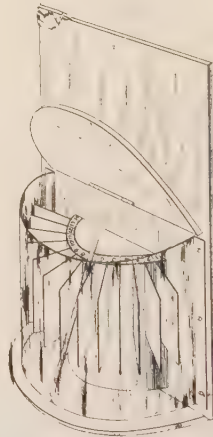
The ornamental design for a lighting fixture, as shown.

60,463. HUSK FOR LIGHTING FIXTURES. ROBERT F. LINDEMANN, Providence, R. I., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed July 28, 1921. Serial No. 488,245. Term of patent 7 years.



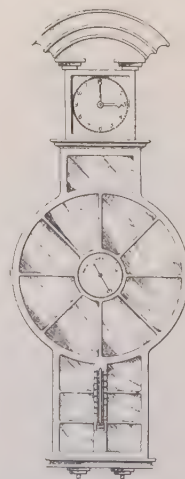
The ornamental design for a husk for lighting fixtures as shown.

60,464. DISPLAY HOLDER. AMOS S. MARCHUS, Oakland, Calif. Filed Oct. 20, 1920. Serial No. 418,339. Term of patent $3\frac{1}{2}$ years.



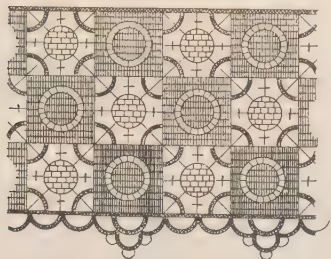
The ornamental design for a display holder, as shown.

60,465. ADVERTISING DISPLAY CASE. CLARENCE D. OVERSMITH, Buffalo, N. Y. Filed Mar. 11, 1921. Serial No. 451,587. Term of patent $3\frac{1}{2}$ years.



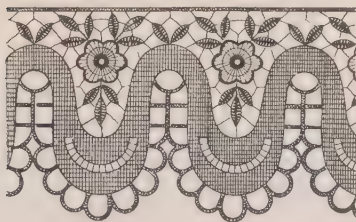
The ornamental design for an advertising display case, as shown and described.

60,466. LACE. JOSEPH RIZZI, Weehawken, N. J., assignor to North Hudson Embroidery Co., Inc., a Corporation of New Jersey. Filed Mar. 11, 1921. Serial No. 451,580. Term of patent $3\frac{1}{2}$ years.



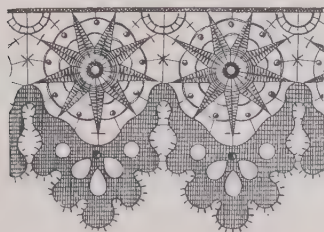
The ornamental design for lace, as shown.

60,467. LACE. JOSEPH RIZZI, Weehawken, N. J., assignor to North Hudson Embroidery Co., Inc., a Corporation of New Jersey. Filed Mar. 11, 1921. Serial No. 451,581. Term of patent $3\frac{1}{2}$ years.



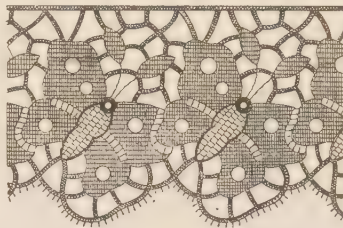
The ornamental design for lace, as shown.

60,468. LACE. JOSEPH RIZZI, Weehawken, N. J., assignor to North Hudson Embroidery Co., Inc., a Corporation of New Jersey. Filed Mar. 11, 1921. Serial No. 451,582. Term of patent $3\frac{1}{2}$ years.



The ornamental design for lace, as shown.

60,469. LACE. JOSEPH RIZZI, Weehawken, N. J., assignor to North Hudson Embroidery Co., Inc., a Corporation of New Jersey. Filed Mar. 11, 1921. Serial No. 451,583. Term of patent $3\frac{1}{2}$ years.



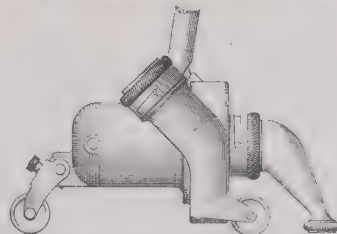
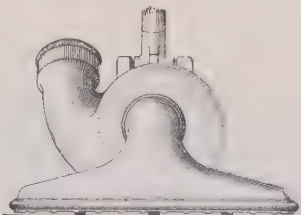
The ornamental design for lace, as shown.

60,470. BRACELET. JOHN LOUIS SABBATH, Montreal, Quebec, Canada. Filed June 27, 1921. Serial No. 480,931. Term of patent 7 years.



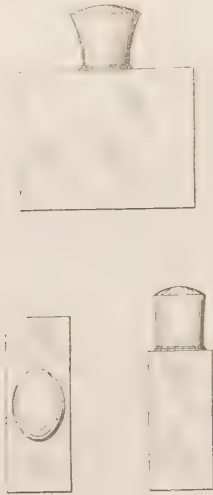
The ornamental design for a bracelet as shown.

60,471. VACUUM CLEANER. CHARLES F. SMITH, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed Apr. 15, 1921. Serial No. 461,705. Term of patent 14 years.



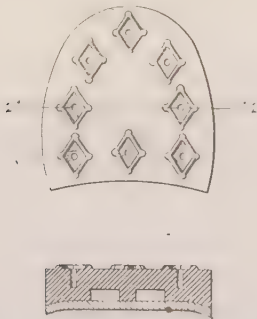
The ornamental design for a vacuum cleaner as shown.

60,472. BOTTLE. THOMPSON, K. SMITH, New York, N. Y. Filed Jan. 2, 1920. Serial No. 349,067. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a bottle as shown.

60,473. RUBBER HEEL TREAD. GUY L. SPENCER, Cleveland, Ohio. Filed Sept. 1, 1921. Serial No. 497,725. Term of patent 14 years.



The ornamental design for a rubber heel tread as shown.

60,474. RUG. GEORGE J. STENGEL, Yonkers, N. Y., assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y., a Corporation of New York. Filed Nov. 30, 1921. Serial No. 519,006. Term of patent 14 years.



The ornamental design for a rug, substantially as shown.

60,475. SURFACE ORNAMENTATION FOR A LAMP SHADE OR SIMILAR ARTICLE. GEORGE V. STRAHAN, Newark, N. J., and FREDERICK W. MATHIEU, New York, N. Y., assignors to Mitchell Vance Co., Inc., New York, N. Y., a Corporation of New York. Filed Dec. 10, 1920. Serial No. 429,801. Term of patent 7 years.



The ornamental design for the surface ornamentation for a lamp shade or similar article as shown.

60,476. SURFACE ORNAMENTATION FOR A LAMP SHADE OR SIMILAR ARTICLE. GEORGE V. STRAHAN, Newark, N. J., and FREDERICK W. MATHIEU, New York, N. Y., assignors to Mitchell Vance Co., Inc., New York, N. Y., a Corporation of New York. Filed Dec. 10, 1920. Serial No. 429,802. Term of patent 7 years.



The ornamental design for the surface ornamentation for a lamp shade or similar article as shown.

60,477. SURFACE ORNAMENTATION FOR A LAMP SHADE OR SIMILAR ARTICLE. GEORGE V. STRAHAN, Newark, N. J., and FREDERICK W. MATHIEU, New York, N. Y., assignors to Mitchell Vance Co., Inc., New York, N. Y., a Corporation of New York. Filed Dec. 10, 1920. Serial No. 429,803. Term of patent 7 years.



The ornamental design for the surface ornamentation for a lamp shade or similar article as shown.

60,478. SURFACE ORNAMENTATION FOR A LAMP SHADE OR SIMILAR ARTICLE. GEORGE V. STRAHAN, Newark, N. J., and FREDERICK W. MATHIEU, New York, N. Y., assignors to Mitchell Vance Co., Inc., New York, N. Y., a Corporation of New York. Filed Dec. 10, 1920. Serial No. 429,804. Term of patent 7 years.



The ornamental design for the surface ornamentation for a lamp shade or similar article, as shown.

295 O. G.—41

60,479. PENCIL. FRANK J. TERRELL, Waterbury, Conn., assignor to The Hoge Manufacturing Company, Inc., New York, N. Y., a Corporation of New York. Filed July 9, 1920. Serial No. 395,161. Term of patent $3\frac{1}{2}$ years.



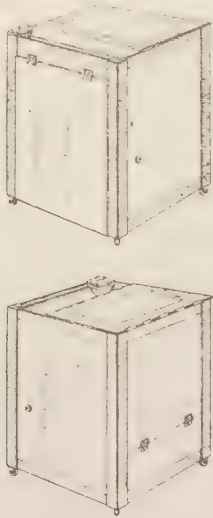
The ornamental design for a pencil, as shown.

60,480. CANDLESTICK. LUCY GRANT UNMACK, Los Angeles, Calif. Filed May 5, 1921. Serial No. 467,215. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a candlestick substantially as shown and described.

60,481. CABINET FOR A WASHING MACHINE. LOUIS C. UPTON, St. Joseph, Mich., assignor to Upton Machine Company, St. Joseph, Mich., a Corporation of Michigan. Filed Mar. 24, 1920. Serial No. 368,427. Term of patent 7 years.



The ornamental design for a cabinet for a washing machine, as shown.

60,482. STATUETTE. GLADYS WESTERVELT, New York, N. Y. Filed Jan. 27, 1921. Serial No. 440,513. Term of patent 7 years.



The ornamental design for a statuette, as shown.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 21, 1922.

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 118,265. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) F. C. HUYCK & SONS, Albany, N. Y. Filed May 8, 1919.



No claim being made to the words "Outdoor Comfort Products" apart from the mark shown in the drawing. The trade-mark consists of the words "Kenwood Outdoor Comfort Products" and a panel in outline in which is a representation of a mountain ram occupying a prominent position on a mountain in the foreground and a portion of the range and woodland appearing in the background.

Particular description of goods.—Steamer Rugs, Sanitarium Rugs, Lap Robes, Overcoating.

Claims use since about Feb. 1, 1919.

Ser. No. 122,431. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN M. FROST, Buffalo, N. Y. Filed Sept. 8, 1919.



Particular description of goods.—Pharmaceutical Preparations—Namely, Castor Oil, Castoria, Zinc Ointment, Camphor Cerate, Uterine Drops, Foot Powder, Ground

Mustard for Medicinal Use, Herbs for Relief of Stomach and Bowel Disorders and Constipation, Epsom Salts, Corn Removers, and Preparations for Coughs and Colds, Constipation and Derangements of the Stomach and Bowels, Rheumatism, Headache, Toothache, Neuralgia, Sprains, Swellings, Bruises, Wounds, Stiff Joints, Lameness and General Local Pains, Whooping Cough, Stomach and Liver Disorders.

Claims use since Aug. 28, 1919.

Ser. No. 123,097. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) AMERICAN WHOLESALE CORPORATION (BALTIMORE BARGAIN HOUSE), Baltimore, Md. Filed Sept. 25, 1919.

AMERICAN WHOLESALE CORPORATION
(BALTIMORE BARGAIN HOUSE)

Particular description of goods.—Mouse, Rat, and Animal Traps, Fur Rugs.

Claims use since June 27, 1919.

Ser. No. 123,706. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) EDWARD MCCONNELL & Co., New York, N. Y. Filed Oct. 11, 1919.

TWILRAIN

Particular description of goods.—Waterproofed Textile Fabrics Suitable for Raincoats.

Claims use since June 11, 1919.

Ser. 123,945. (CLASS 45. BEVERAGES, NONALCOHOLIC.) UTICA FLAVOR & EXTRACT Co., Inc., Utica, N. Y. Filed Oct. 18, 1919.

SUNRIPE

Particular description of goods.—Concentrated Sirups, Fruit Juices, and Crushed Fruit Sirups Used in the Making of Nonalcoholic, Maltless Beverages Sold at Soda Fountains as Soft Drinks.

Claims use since Sept. 2, 1919.

Ser. No. 129,245. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PURITY BIOLOGICAL LABORATORIES, Sioux City, Iowa. Filed Mar. 4, 1920.



In which the vertical lining on the central portion represents red, no claim being made to the word "Purity" apart from the other features of the mark.

Particular description of goods.—Blackleg Aggressin, (a Germ-Free Liquid Vaccine for Calves;) Hemorrhagic Septicemia, (a Vaccine for Cattle, Sheep, and Swine;) Anti-blackleg Serum, (Used to Prevent and Cure the Disease Known as Blackleg,) Mixed Vaccine for Swine, Blackleg Filtrate, Anti-Hog-Cholera Serum, and Hog-Cholera Virus.

Claims use since March, 1915.

Ser. No. 129,622. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) BUZZ SYRUP CO. INC., Reading, Pa. Filed Mar. 13, 1920.

BUZZ

Particular description of goods.—Maltless - Beverage Sirups for Soda Fountains.

Claims use since Oct. 14, 1919.

Ser. No. 129,794. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) NICHOLSONS (NEWCASTLE-ON-TYNE) LIMITED, Newcastle-on-Tyne, England. Filed Mar. 16, 1920.



Particular description of goods.—A Polishing Preparation for Floors, Furniture, and other Woodwork.

Claims use since about Aug. 11, 1919.

Ser. No. 131,018. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DE KLYN CANDY CO., Cleveland, Ohio. Filed Apr. 12, 1920.



Particular description of goods.—Candy.
Claims use since Mar. 15, 1920.

Ser. No. 133,900. (CLASS 32. FURNITURE AND UPHOLSTERY.) JOHN A. SCHWARZ, INC., New York and Brooklyn, N. Y. Filed June 18, 1920.



No claim is made to the words "Special Elastic Felt Mattress" apart from the mark shown in the drawing.

Particular description of goods.—Mattresses.

Claims use since October, 1907.

Ser. No. 134,567. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THORNTON HOPKINS, Nashville, Tenn. Filed July 6, 1920.

"OLD HICKORY"

Particular description of goods.—Boiler Compound.
Claims use since Jan. 17, 1920.

Ser. No. 134,609. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ST. LOUIS COFFEE & SPICE MILLS, St. Louis, Mo. Filed July 6, 1920.

OLD CROW

Particular description of goods.—Coffee.
Claims use since Apr. 15, 1920.

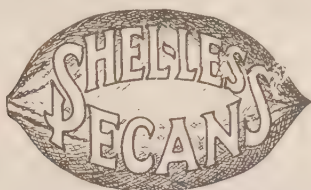
Ser. No. 137,847. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MASCO DRUG COMPANY, Boston, Mass. Filed Oct. 2, 1920.

KAS-KA-LAX

Particular description of goods.—Medicinal Tablets Used as a Cathartic for Constipation, Sluggish Liver and Bowels, Biliousness, and Sick Headache.

Claims use since Aug. 20, 1920.

Ser. No. 138,026. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHELL-LESS NUT Co., Baltimore, Md. Filed Oct. 6, 1920.

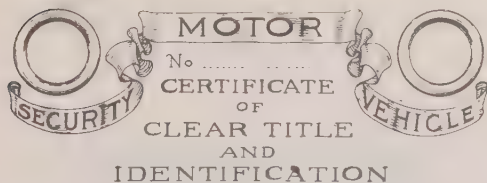


No claim being made to the words "Shell-less Pecans" or the pictorial representation of a nut except in the form and association shown in the drawings.

Particular description of goods.—Shelled Pecans and Pecan-Nut Meats.

Claims use since Sept. 9, 1920.

Ser. No. 138,522. (CLASS 37. PAPER AND STATIONERY.) SECURITY CERTIFICATE COMPANY, Los Angeles, Calif. Filed Oct. 19, 1920.



No claim is made for the exclusive use of the words "Security, Motor Vehicle, No., Certificate of Clear Title and Identification" apart from the symbol shown.

Particular description of goods.—A Title and Identification Certificate, Being a Blank Form.

Claims use since Oct. 1, 1920.

Ser. No. 139,243. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE AMERICAN LAUNDRY MACHINERY COMPANY, Norwood, Ohio. Filed Nov. 6, 1920. Under ten-year proviso.

AMERICAN

Particular description of goods.—Wooden Laundry Washers, Wooden and Metallic Laundry Washers, Metallic Laundry Washers, Brass Laundry Washers, Brass Cylinders for Laundry Washers, Laundry Sterilizers, Clothes

Tumblers, Laundry Centrifugal Extractors, Power Rubber-Roll Wringers, Shirt Starchers, Cylinder Starchers, Dip Wheel Starchers, Barrel Starchers, Laundry Dry Rooms, Dampening Presses, Shirt Dampeners, Collar and Cuff Dampeners, Bosom Ironers, Combination Ironers, Collar and Cuff Ironers, Yoke Ironers, Sleeve Ironers, Wristband Ironers, Neckband Ironers, Cape Collar Ironers, Body Ironers, Puff Irons, Laundry Fan Blowers, Seam Dampeners, Eyelet Raisers, Collar and Cuff Shapers, Fluters, Sad and Polishing Irons, Flatwork Ironers, Laundry Trucks in the Nature of Wheeled Baskets, and Laundry Trays.

Claims use since November, 1893.

Ser. No. 139,414. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) OREGON BRASS WORKS, Portland, Ore. Filed Nov. 9, 1920.

DUCTYL

"Ductyl."

Particular description of goods.—Journal Bearings.

Claims use since June 14, 1920.

Ser. No. 140,324. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Nov. 27, 1920.

VICTOR

Particular description of goods.—Bedspreads.

Claims use since 1901.

Ser. No. 140,618. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SUPER POLISH Co., Detroit, Mich. Filed Dec. 4, 1920.



The picture of the woman being fanciful. The drawing is lined to indicate blue.

Particular description of goods.—Polish for Furniture, Automobiles, and Pianos.

Claims use since Oct. 9, 1920.

Ser. No. 140,642. (CLASS 32. FURNITURE AND UPHOLSTERY.) LOUIS R. GANS, Brooklyn, N. Y. Filed Dec. 6, 1920.



No claim being made to the words "Pay Cash., Trade Mark, Furniture, 1340 Broadway, Brooklyn, N. Y., Save Half" and "This Mark Your Guarantee" apart from the mark as shown.

Particular description of goods.—Furniture and Upholstery—Namely, Beds and Cribs, Springs, Mattresses, Pillows, Bolster Rolls, Divans; Costumers, (Brass, Iron, and Wood;) Bassinets, Chiffoniers, Dressing Tables, Rockers, Dressers, Night Tables, Somnoes, Buffets, China Closets, Tea Wagons, Couches, Living-Room and Parlor Suites, Pedestals, Tabourettes, Davenettes, Telephone Stands, Bookcases, Bookracks, Sewing Cabinets, Reed Furniture, Cedar Chests, Desks, Stools, Kitchen Cabinets, Kitchen Tables, and Household and Porch Furniture—Namely, Benches, Chairs, Tables, and Wooden Umbrella Stands.

Claims use since July 10, 1915.

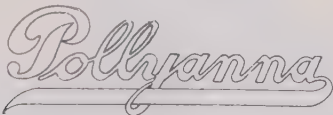
Ser. No. 140,983. (CLASS 12. CONSTRUCTION MATERIALS.) BLOEDEL DONOVAN LUMBER MILLS, Seattle and Bellingham, Wash. Filed Dec. 13, 1920.



Particular description of goods.—Stepping, Finish, Turning Squares, Molded Casing and Base, Ceiling, Drop Siding, and Rustic Well Tubing, Well Curbing, Corn Cribbing, Tank Stock, Windmill Stock, Pipe-Stage Stock, Ship Decking, Silo Staves, Battens, Wagon Bottoms, Pickets, Eaves Gutters, Porch Columns, Fir Newels, Moldings, Porch Rails, Boards or Shiplap, Dimension, Plank, and Small Timbers, Timbers, Railroad Ties, Car Siding, Car Lining and Roofing, Car Decking, Car Sheathing, Car Insulation, Car Sills, Car Framing, Cut-Up Stock, Red-Cedar and Spruce Bevel Siding, Sash and Doors, Box Shooks.

Claims use since about 1913.

Ser. No. 141,478. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE ALMETAL MANUFACTURING COMPANY, Maplewood, Mo. Filed Dec. 24, 1920.



Particular description of goods.—Laundry Washing Machines.

Claims use since Dec. 16, 1920.

Ser. No. 141,869. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE PIONEER MANUFACTURING COMPANY, Cleveland, Ohio. Filed Jan. 5, 1921.

TURPELAC

Particular description of goods.—Paint Thinner or Substitute for Turpentine.

Claims use since about July, 1906.

Ser. No. 142,203. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABRAHAM M. DAVIS, Chicago, Ill. Filed Jan. 13, 1921.

Yeastolax

Particular description of goods.—Medicine. (a Yeast Laxative.)

Claims use since Dec. 1, 1920.

Ser. No. 142,398. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) OVINGTON BROS. COMPANY, New York, N. Y. Filed Jan. 18, 1921. Under ten-year proviso.

OVINGTON'S

Particular description of goods.—Fans for Personal Use.

Claims use since prior to Jan. 1, 1895.

Ser. No. 142,417. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAN ANTONIO DRUG CO., San Antonio, Tex. Filed Jan. 18, 1921.



Particular description of goods.—Allspice, Licorice, Caraway Seed, Nutmeg, Milk, Sugar, Celery Seed, Birdseed, Coffee, Tea, Flavoring Extracts, Ice Cream, Custards, Jellies, Pastry, and other Foods and Spices.

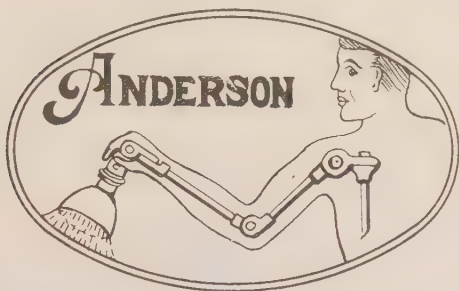
Claims use since Dec. 15, 1919.

Ser. No. 143,160. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CONDENSED BLUING COMPANY, Chicago, Ill. Filed Feb. 4, 1921.

Little Boy Blue

Consisting of the words "Little Boy Blue."
Particular description of goods.—Bluing.
Claims use since 1914.

Ser. No. 143,198. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROBERT D. H. ANDERSON, New York, N. Y. Filed Feb. 5, 1921.



Particular description of goods.—Brackets for Electric Lamps.

Claims use since Oct. 20, 1920.

Ser. No. 144,375. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) BELL WASHER AND WRINGER COMPANY, Cleveland, Ohio. Filed Mar. 7, 1921.

Aerobell

Consisting of the word "Aerobell."
Particular description of goods.—Laundry Washing Machines.

Claims use since Feb. 17, 1921.

Ser. No. 145,195. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARIE MARTHE RICHARD VVE GRENOVILLE, Asnières, France. Filed Mar. 24, 1921.



Particular description of goods.—Perfumes, Toilet Waters, Brilliantine, Face Lotion, and Face Powder.

Claims use since 1910.

Ser. No. 145,425. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) THE ARKOLA COMPANY, Little Rock, Ark. Filed Mar. 30, 1921.



Particular description of goods.—A Nonalcoholic, Maltless Beverage Sold as a Soft Drink.

Claims use since the 16th day of October, 1916.

Ser. No. 146,025. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE MANHATTAN RUBBER MFG. CO., Passaic, N. J. Filed Apr. 11, 1921.

MASTER

Particular description of goods.—Rubber Belting and Rubber Hose.

Claims use since about December, 1916.

Ser. No. 146,534. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Apr. 22, 1921.

Puritan

Particular description of goods.—Lingerie Trimming, Consisting of Woven Cotton Edging Generally Used for Women's Underwear, Wash Dresses and Aprons, Fancy Braids, and Rickrack Braid.

Claims use since January, 1920.

Ser. No. 146,775. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARSTON-GREENING COMPANY, INC., Los Angeles, Calif. Filed Apr. 26, 1921.

GOLDEN WEST

Particular description of goods.—Nuts in the Raw State, Both Shelled and Unshelled; Salted Nuts, and Roasted Nuts, Popcorn in the Natural State and Shelled.

Claims use since Jan. 19, 1918.

Ser. No. 147,052. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) S. O. S. IGNITION COMPANY, Brooklyn, N. Y. Filed Apr. 30, 1921.



No claim is made for the exclusive right to the words "Spark Intensifiers" and "Sure of Spark" except in the relation shown by the drawing.

Particular description of goods.—Spark Intensifiers for Internal-Combustion Engines or the Like.

Claims use since Nov. 1, 1920.

Ser. No. 147,400. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MILES F. BIXLER COMPANY, Cleveland, Ohio. Filed May 9, 1921.



The figure of the woman shown in the accompanying drawing is fanciful. No exclusive right is claimed for the words "Staple Jewelry" apart from the mark herein claimed.

Particular description of goods.—Scarf Pins, Ladies' Watch Chains, La Vallières, Lingerie Clasps, Bar Pins, Brooches, Locketts, Silver and Gold Plated Pencils, Finger Rings, Bracelets, Necklaces of Pearl Beads and of Imitation Pearl Beads, Pendants, Pin Sets, Silver and Gold Plated Cigarette Cases, Men's Collar Pins, Men's Watch Fobs and Watch Chains, Tie Clasps, Tie Pins; Fraternity Pins, Buttons, and Charms Made of and Plated with Precious-Metal Ware; Charms other Than Fraternity, Belt Buckles, Link Buttons, and Collar Buttons Made of and Plated with Precious-Metal Ware.

Claims use since about Oct. 1, 1919.

Ser. No. 147,413. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE CONTINENTAL JEWELRY COMPANY, Cleveland, Ohio. Filed May 9, 1921.

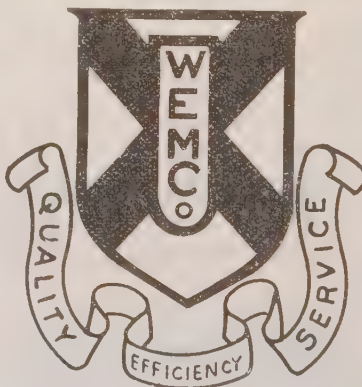


No exclusive right is claimed in the term "Expresses Your Individuality" and the word "Jewelry" apart from the mark herein claimed.

Particular description of goods.—Scarf Pins, Ladies' Watch Chains, La Vallières, Lingerie Clasps, Bar Pins, Brooches, Locketts, Silver and Gold Plated Pencils, Finger Rings, Bracelets, Necklaces of Pearl Beads and of Imitation Pearl Beads, Pendants, Pin Sets, Silver and Gold Plated Cigarette Cases, Men's Collar Pins, Men's Watch Fobs and Watch Chains, Tie Clasps, Tie Pins; Fraternity Pins, Buttons, and Charms Made of and Plated with Precious-Metal Ware; Charms other Than Fraternity, Belt Buckles, Link Buttons, and Collar Buttons Made of and Plated with Precious-Metal Ware.

Claims use since about Apr. 1, 1920.

Ser. No. 147,629. (CLASS 12. CONSTRUCTION MATERIALS.) W. E. MUSHET, San Francisco, Calif. Filed May 12, 1921.



No claim is made to the right to the exclusive use of the words "Quality, Efficiency, Service" except in the setting and relation in which they appear in the drawing and samples of the trade-mark filed with the application.

Particular description of goods.—Fire Brick, Furnace Tile, Baffle Tile, High-Temperature Cement.

Claims use since 1917.

Ser. No. 148,497. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) LAUTER-HUMANA COMPANY, Newark, N. J. Filed June 1, 1921.

LAUTER-HUMANA

Particular description of goods.—Pianos and Player Pianos.

Claims use since July 1, 1919.

Ser. No. 148,538. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) CARL FISCHER, New York, N. Y. Filed June 2, 1921.

WEAR-EVER

Particular description of goods.—Violin Strings.
Claims use since Mar. 14, 1921.

Ser. No. 148,692. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD T. BUNCH, Philadelphia, Pa. Filed June 6, 1921.

BUNCH MAID



Particular description of goods.—Salted Peanuts, Peanut Butter in Jars, Chocolate Bars, and Peanut Sandwiches.

Claims use since March, 1920.

Ser. No. 148,694. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) SAM BRETCH WHOLESALE SPECIALTIES, Oklahoma, Okla. Filed June 6, 1921.

BEAR



No claim being made to the exclusive use of the representation of the goods apart from the mark shown in the drawing.

Particular description of goods.—Rubber Inner Tubes for Automobile Tires.

Claims use since Mar. 7, 1921.

Ser. No. 148,805. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES J. KLAVON, Pittsburgh, Pa. Filed June 7, 1921.



Particular description of goods.—Liniments for Rheumatic Affections, Sprains, Stiff Joints, Sore Muscles, Bruises, Lumbago, Swollen Glands, Mumps, Sciatica, Chest Colds and Pains, Neuralgia, Insect Bites, Headache, Pleurisy.

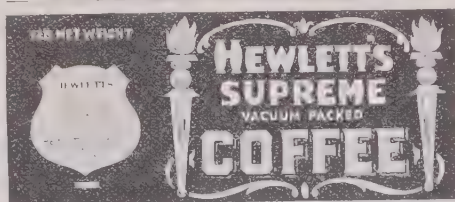
Claims use since Apr. 25, 1921.

Ser. No. 148,866. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD W. BROWN CO., San Francisco, Calif. Filed June 9, 1921.

JEL-RITE

Particular description of goods.—Gelatine Preparation.
Claims use since March, 1921.

Ser. No. 148,937. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HEWLETT BROS. COMPANY, Salt Lake City, Utah. Filed June 10, 1921.



The exclusive use of all printed matter except "Hewlett's Supreme" and "Hewlett Bros. Co." is disclaimed.

Particular description of goods.—Coffee.

Claims use since Apr. 1, 1921.

Ser. No. 149,080. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE GREENING NURSERY CO., Monroe, Mich. Filed June 13, 1921.



No claim is made to the exclusive use of the words "Big Nurseries—Monroe, Michigan" apart from the mark as shown in the drawing.

Particular description of goods.—Nursery Products—Namely, Fruit, Nut-Bearing, and Deciduous Trees and Shrubs; Evergreens, Conifers; Berry-Bearing Bushes or Plants, Grapevines, Asparagus and Rhubarb Plants, Flowering Vines, Plants, Shrubbery, Perennials, and Grasses.

Claims use since spring of 1913.

Ser. No. 149,558. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PACE PHONOGRAPH CORPORATION, New York, N. Y. Filed June 23, 1921.

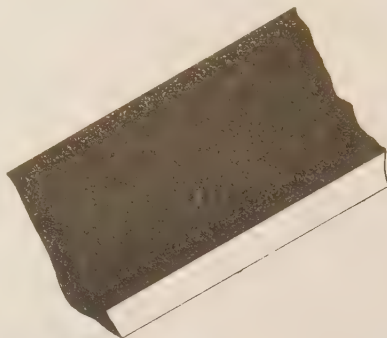


The word "Records" is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Phonographs, Phonograph Records, and Player Rolls.

Claims use since Jan. 1, 1921.

Ser. No. 150,469. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE RAYBESTOS COMPANY, Bridgeport, Conn. Filed July 16, 1921.

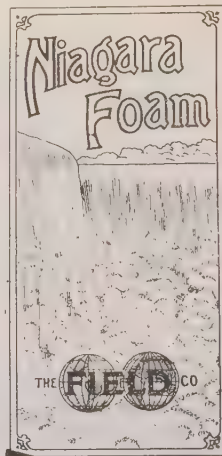


Consisting of a gold-colored coating upon the edges of the lining, no claim being made to the representation of a brake lining.

Particular description of goods.—Brake Lining.

Claims use since Jan. 4, 1921.

Ser. No. 150,892. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GEORGE C. FIELD, Newark, N. J. Filed July 25, 1921.



Particular description of goods.—Soap.

Claims use since May 6, 1921.

Ser. No. 151,460. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN N. LINDSLEY INC., South Orange, N. J. Filed Aug. 5, 1921.



The words "Orange" and "South Orange" are disclaimed apart from the mark shown by the drawing.

Particular description of goods.—Hammers.

Claims use since Aug. 1, 1920.

Ser. No. 151,616. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRIC VACUUM CLEANER COMPANY, INC., Cleveland, Ohio. Filed Aug. 10, 1921.

The Premier Handy

Particular description of goods.—Electric Vacuum Cleaners and Parts Thereof.

Claims use since on or about July 20, 1921.

Ser. No. 151,773. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SMITH & HEMENWAY COMPANY, INC., New York, N. Y., and Irvington, N. J. Filed Aug. 13, 1921.

It's all in the wheel

Particular description of goods.—Glass Cutters.

Claims use since December, 1912.

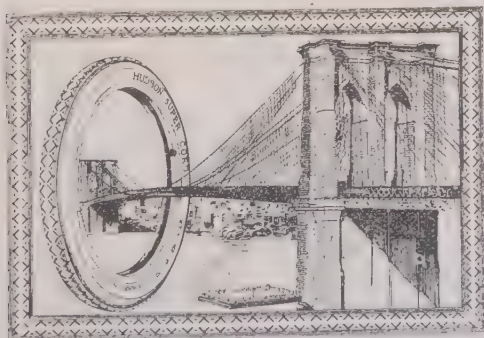
Ser. No. 151,851. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SMITH-KIRK CANDY CO., Toledo, Ohio. Filed Aug. 16, 1921.

STAFF

Particular description of goods.—Chocolates and Candy.

Claims use since Feb. 1, 1921.

Ser. No. 151,914. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) HUDSON TIRE CO. INC., Newark, N. J. Filed Aug. 18, 1921.



No claim is made to the words "Newark, N. J., U. S. A., Hudson Super Cord Mfg. by Hudson Tire Co." nor to the representation of a tire except in the association shown.

Particular description of goods.—Rubber Tires.

Claims use since July 16, 1920.

Ser. No. 151,929. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) SCANLAN AND HAYES PISTON-RING COMPANY, St. Louis, Mo. Filed Aug. 18, 1921.

AT-LAST-A

Particular description of goods.—Piston Rings.

Claims use since on or about Apr. 15, 1921.

Ser. No. 152,062. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) FRANK H. BINNINGER, Cleveland, Ohio. Filed Aug. 23, 1921.

Dandee

Particular description of goods.—Tire-Tube Patches.

Claims use since Jan. 1, 1921.

Ser. No. 152,155. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WILSON-IMPERIAL COMPANY, Newark, N. J. Filed Aug. 24, 1921.

DISSOLVITT

Particular description of goods.—Washing Compound with Incidental Water-Softening Properties.

Claims use since Jan. 11, 1921.

Ser. No. 152,177. (CLASS 32. FURNITURE AND UPHOLSTERY.) C. F. LOTTMAN & SONS, Houston, Tex. Filed Aug. 25, 1921.

EVEREST

Particular description of goods.—Mattresses.

Claims use since Aug. 1, 1914.

Ser. No. 152,436. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRI MURAOUR & CIE., Grasse, France. Filed Aug. 31, 1921.

MURY

Consists of the invented word "Mury."

Particular description of goods.—Perfumes, Extracts, Essences; Aromatic Compounds, Whether Natural or Artificial; Perfumed Products—Namely, Toilet Waters, Perfumed Alcohol Preparations, Colognes, Pomades, Face Paints, Lip Sticks, Rouge, Creams, Cosmetics, Rice Powders, Sachets, Talcum Powders, Face Powders, Deodorants, Shampooing Preparations, Brilliantine, Lotions, Preparations for Use After Shaving, Nail Polishes, and Dentifrices.

Claims use since on or about June 1, 1921.

Ser. No. 152,437. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRI MURAOUR & CIE., Grasse, France. Filed Aug. 31, 1921.



The words "Mury," "Paris," and "Grasse" are printed in gold upon black panels, while the words "Henri Muraour & Cie" and "France" are printed in black upon gold panels.

Particular description of goods.—Perfumes, Extracts, Essences; Aromatic Compounds, Whether Natural or Artificial; Perfumed Products—Namely, Toilet Waters, Perfumed Alcohol Preparations, Colognes, Pomades, Face Paints, Lip Sticks, Rouge, Creams, Cosmetics, Rice Powders, Sachets, Talcum Powders, Face Powders, Deodorants, Shampooing Preparations, Brilliantine, Lotions, Preparations for Use After Shaving, Nail Polishes, and Dentifrices.

Claims use since about June 1, 1921.

Ser. No. 152,630. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) NATIONAL WASHBOARD COMPANY, Chicago, Ill.; Saginaw, Mich., and Memphis, Tenn. Filed Sept. 6, 1921.

RISING STAR

Particular description of goods.—Washboards.

Claims use since Jan. 1, 1909.

Ser. No. 152,673. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHOCOLATE PRODUCTS COMPANY, Baltimore, Md. Filed Sept. 7, 1921.

I-O-L-E

Consists of the word "Iole."

Particular description of goods.—Candy Comprised Wholly or in Part of Chocolate.

Claims use since Mar. 9, 1921.

Ser. No. 152,765. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARI-BELL SWEETS, Minneapolis, Minn. Filed Sept. 9, 1921.

Mari-Bell Sweets

No claim being made to the descriptive word "Sweets" apart from the mark shown in the drawing.

Particular description of goods.—Candies.

Claims use since Nov. 1, 1912.

Ser. No. 152,795. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH ADDIESON GAGE, Dallas, Tex. Filed Sept. 10, 1921.

Thrift



Particular description of goods.—Canned Chile Con Carne, Canned Red Beans, Canned Beans and Pork with Tomato Sauce, Peach Jam, Blackberry Preserves, Apple Jelly, Maple and Cane Sirup, Onion Relish, Vanilla Extract, Lemon Extract, Tomato Catsup, Chowchow, Worcestershire-Style Sauce, Piccalilli, Chili Sauce, Minced meat, Pickles, Peanut Butter, and Apple Butter, Fruit Jellies and Jams.

Claims use since March, 1918.

Ser. No. 152,832. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE COMFORT POWDER CO. INC., Boston, Mass. Filed Sept. 12, 1921.



No claim being made to the exclusive use of the words "Boston, Mass.," "Powder," and "Trade Mark" apart from the mark shown in the drawing.

Particular description of goods.—Toilet Powder.
Claims use since 1910.

Ser. No. 153,906. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LAMB FRUIT COMPANY, Milton, Oreg. Filed Sept. 16, 1921.

LAMB



Particular description of goods.—Fresh Deciduous Fruit.

Claims use since Aug. 11, 1919.

Ser. No. 153,142. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) KELLY-SPRINGFIELD TIRE COMPANY, New York, N. Y. Filed Sept. 20, 1921.



Particular description of goods.—Resilient Vehicle Tires Composed in Whole or in Part of Rubber.
Claims use since about Sept. 12, 1921.

Ser. No. 153,397. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) GOMEZ & SLOAN, INC., New York, N. Y. Filed Sept. 27, 1921.

GOMEZ & SLOAN

Particular description of goods.—Metal Pipes, Metal Pipe Fittings, Metal Soap Containers, Metal Towel Racks, and Metal Faucets.

Claims use since February, 1919.

Ser. No. 153,488. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FRANK D. WINDELL, Philadelphia, Pa. Filed Sept. 28, 1921.

THE TEMPOMETER

Particular description of goods.—Temperature-Registering Devices for Reading Temperatures from Remote Points.

Claims use since about February, 1914.

Ser. No. 153,564. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Sept. 30, 1921. Under ten-year proviso.



Particular description of goods.—Hemostatics, Astrinents, Hepatic Stimulants, Hypnotics, Inhalants, Intestinal Antiseptics, Medicinal Compounds Containing Nutritive Substances, Organotherapeutic Products, Oxytocics, Parasitocides, Reconstructives, Expectorants, Cardiac Sedatives, Cardiac Stimulants, Cathartics, Alteratives, Analgesics, Anesthetics, Anodynes, Antacids, Anthelmintics, Antiperiodics, Aphrodisiacs, Arterial Sedatives, Counterirritants, Deodorants, Digestants, Disinfectants, Diuretics, Gonococicides, Hematinics, Sedatives, Compounds or Substances for Improving the General Tone of the Body, Utero Ovarian Sedatives, Teniafuges, Antiasthmatics, Antinauseants, Antirheumatics, Antiseptics, Preparations Used in the Treatment of Tuberculosis, Antispasmodics, Antiluetic, Vaccines and Similar Agents for Producing a State of Immunity Against Infection from Certain Specific Diseases, Emollients, and Galactagogues.

Claims use since Mar. 1, 1881.

Ser. No. 153,637. (CLASS 37. PAPER AND STATIONERY.) BRITTAINS LIMITED, Cheddleton, England. Filed Oct. 3, 1921.



Applicant disclaims any right to the exclusive use of the words, "Mill Number, Registered Trade Mark, Paper Label" and "Cheddleton Paper Mills Leek Staffordshire" apart from the mark shown.

Particular description of goods.—Pottery Papers, Such as Pottery and Glass Printing Tissues, Including Sized and Unsized Papers for Roller Printing Machines; Lithographic Papers, Such as Lithographic Papers for Ceramic Transfers and Lithographic Skin Transfer Tissues; Electrical Papers, Such as Extra-Thin Tin-foil Condenser Papers and Interleaving Condenser Tissues; Tissues Particularly Adapted to be Made into Carbon Paper, Cigarette Papers, Stereotyping Tissues, and Copying Tissues.

Claims use since 1890.

Ser. No. 153,727. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. A. HUDSON COMPANY INCORPORATED, Auburn, N. Y. Filed Oct. 4, 1921.



The lines in the drawing represent shading only.

Particular description of goods.—Almond Cream, Vegetable-Oil Shampoo, Antiseptic Lotion, Hand and Face Lotion, Crème Absorbent, Antiseptic Shampoo, Hair Tonic, Cydonian Cream, Cleansing Lotion, and Cold Cream.

Claims use since Jan. 1, 1915.

Ser. No. 153,755. (CLASS 32. FURNITURE AND UPHOLSTERY.) AMERICAN AUTOMATIC LOCK AND LIFT COMPANY, San Francisco, Calif. Filed Oct. 5, 1921.

BAL - BED

No claim being made to the word "Bed" apart from the mark shown.

Particular description of goods.—Concealable Beds.

Claims use since Aug. 30, 1921.

Ser. No. 153,818. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK K. LEWINSKI, Akron, Ohio. Filed Oct. 6, 1921.

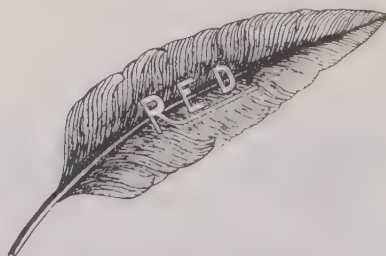


The picture shown in the drawing is the facsimile of applicant's portrait.

Particular description of goods.—Healing Salve for Wounds.

Claims use since Aug. 18, 1921.

Ser. No. 153,846. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MINNA A. JASPER, Rochester, N. Y. Filed Oct. 7, 1921.



Particular description of goods.—Cough Medicine.

Claims use since Oct. 1, 1921.

Ser. No. 153,877. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EQUITY GROWERS & SHIPPERS ASSOCIATION, Hamilton, Mont. Filed Oct. 8, 1921.

EQUITY

Particular description of goods.—Fresh Apples.
Claims use since Sept. 20, 1919.

Ser. No. 153,878. (CLASS 38. PRINTS AND PUBLICATIONS.) EASTERN ADVERTISING COMPANY, New York, N. Y. Filed Oct. 8, 1921.

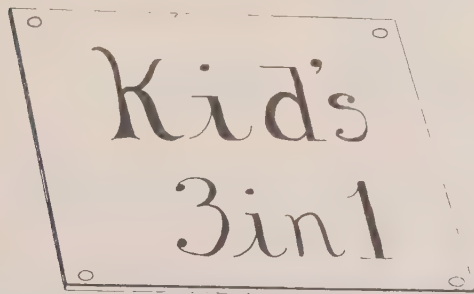
The NABOR NEWS

Consists of the words "The Nabor News." No exclusive rights are claimed in the words "The" and "News" apart from the trade-mark shown in the drawing.

Particular description of goods.—A Magazine Section Published Monthly.

Claims use since March, 1920.

Ser. No. 153,932. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CHARLES HUSEMAN, St. Louis, Mo. Filed Oct. 10, 1921.



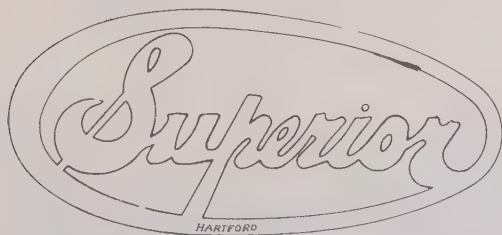
TRADEMARK REGISTERED
IN U. S. PATENT OFFICE.

No claim is made to the words "Trade-Mark Registered in U. S. Patent Office" apart from the mark as shown in the drawing.

Particular description of goods.—Convertible Children's Wagons, Coasters, and Scooters.

Claims use since about Jan. 1, 1921.

Ser. No. 153,961. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) BURPEE E. VINER, Hartford, Conn. Filed Oct. 10, 1921.



The words "Hartford" and "Superior" appearing on the trade-mark are hereby disclaimed apart from the mark as shown.

Particular description of goods.—Wet Floor Mops, Dish Mops, Stove Dusters, Stove Daubers, Bowl Brushes, Scour-

ing Brushes, Sink Brushes, Dish-Washing Brushes, Window Brushes, Ice-Chest-Pipe Brushes, Radiator Brushes, Hearth Brushes, Utility Brushes, Glass Brushes, Stove Brushes, Clothes Brushes, Wall Brushes, Shampoo Brushes, Flesh Brushes, Hand Brushes, Massage Brushes, Bottle Brushes, Toothbrushes, Pastry Brushes, Manicure Brushes, Bath Spray Brushes, Hat Brushes, Crumb Brushes, Hairbrushes, Fender or Mud-Guard Brushes, Spoke and Wheel Brushes, Pointed Spoke Brushes, and 54" and 72" Mop Handles.

Claims use since Oct. 1, 1919.

Ser. No. 153,965. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) THE ZO-NO COMPANY, Cleveland, Ohio. Filed Oct. 10, 1921.

ZO-NO

Particular description of goods.—Preparation for the Extermination of Vermin.

Claims use since Jan. 1, 1900.

Ser. No. 153,971. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ELGIN NATIONAL WATCH COMPANY, Chicago, Ill. Filed Oct. 11, 1921.

Economy

Particular description of goods.—Watches and Watch Movements.

Claims use since on or about Sept. 1, 1921.

Ser. No. 153,981. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HAWKEYE CLEANSER CO., Lost Nation, Iowa. Filed Oct. 11, 1921.

Hawkeye Cleanser



No claim being made to the word "Cleanser."

Particular description of goods.—Cleanser in the Form of Soap.

Claims use since Sept. 1, 1921.

Ser. No. 153,997. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) SOCIÉTÉ CIVILE DES HÉRITIERS DE P. BASSET, Tassin la Demi-Lube, France. Filed Oct. 11, 1921.

OXYQUINOTHÉINE

Particular description of goods.—A General Analgesic and Medicine for Neuralgia, Headache, Toothache, Rheumatism, and Grippe.

Claims use since 1910.

Ser. No. 154,017. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
A. M. EDWARDS, Atlanta, Ga. Filed Oct. 12, 1921.

NUINE TONIC

No claim being made to the word "Tonic" apart from the mark shown on the drawing.

Particular description of goods.—A Tonic for the System Generally and Blood Purifier.

Claims use since Apr. 1, 1921.

Ser. No. 154,018. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
DOCTEUR H. FERRÉ & CIE., Paris, France. Filed Oct. 12, 1921.



No claim being made to the word "Injection" apart from the mark shown in the drawing.

Particular description of goods.—Medicines for Venereal Diseases.

Claims use since 1852.

Ser. No. 154,094. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
THE SAN APPROVE COMPANY, Detroit, Mich. Filed Oct. 14, 1921.

SANAPROVE

Particular description of goods.—Tooth Paste.

Claims use since Aug. 19, 1921.

Ser. No. 154,160. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
WALTER A. TICHENOR, Brooklyn, N. Y. Filed Oct. 15, 1921.

"Ko Ko east"

Consists of the word "Ko Ko East."

Particular description of goods.—Semilaxative Tablets or Powders.

Claims use since Jan. 1, 1921.

Ser. No. 154,173. (CLASS 28. PRINTS AND PUBLICATIONS.) EDWARD H. AHRENS, New York, N. Y. Filed Oct. 17, 1921.

HOTEL MANAGEMENT

Particular description of goods.—Monthly Publications.
Claims use since Oct. 13, 1921.

Ser. No. 154,234. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NATIONAL COMMODITIES Co., Philadelphia, Pa. Filed Oct. 17, 1921.



Palm Beach

The picture forming a feature of the mark is fanciful.
Particular description of goods.—Sanitary Human-Hair Nets.

Claims use since on or about Feb. 4, 1913.

Ser. No. 154,275. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
INNIS, SPEIDEN & CO. INC., New York, N. Y. Filed Oct. 18, 1921.



No claim is made to the use of the word "Chemicals" except in combination with the other elements of the trade-mark.

Particular description of goods.—Bleaching Powder, Caustic Potash, Paramidophenol Base, Paranitrophenol, Paraminophenol Hydrochloride, Orthoaminophenol Paraulphonic Acid, Diaminophenol Hydrochloride, Nitroaminophenol, Carbonate of Potash, Talc, Intermediates, Caustic Soda, Silica, Photographic Chemicals, Orthonitrophenol, Orthoaminophenol, Citric Acid, Phosphoric Acid, and Rubber-Makers' Lime.

Claims use since Oct. 13, 1921.

Ser. No. 154,381. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE RADE RITE MFG. Co., Holyoke, Mass. Filed Oct. 20, 1921.



Particular description of goods.—Radiator-Sealing Material.

Claims use since July 1, 1921.

Ser. No. 154,400. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) CHICAGO STEEL AND WIRE COMPANY, Chicago, Ill. Filed Oct. 21, 1921.

Weldite

Particular description of goods.—Welding Material Consisting of Welding Rods and Wire.

Claims use since Sept. 21, 1921.

Ser. No. 154,417. (CLASS 37. PAPER AND STATIONERY.) SAMUEL C. PATCHETT, Washington, D. C. Filed Oct. 21, 1921.

LADDIE BOY

Particular description of goods.—Paper Weights.

Claims use since Aug. 18, 1921.

Ser. No. 154,428. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE I. BRANOWER, New York, N. Y. Filed Oct. 22, 1921.

SAY-PYRO

Particular description of goods.—Preparation for the Treatment of Pyorrhea.

Claims use since December, 1919.

Ser. No. 154,567. (CLASS 38. PRINTS AND PUBLICATIONS.) THE PLUMBERS TRADE JOURNAL PUBLISHING COMPANY, New York, N. Y. Filed Oct. 25, 1921.

**The PLUMBERS
TRADE JOURNAL**
STEAM AND HOT WATER FITTERS REVIEW

Particular description of goods.—Semimonthly Magazine.

Claims use since 1881.

295 O. G.—42

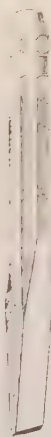
Ser. No. 154,667. (CLASS 42. KNITED, NETTED, AND TEXTILE FABRICS.) SCHWARZENBACH, HUBER COMPANY, West Hoboken, N. J., and New York, N. Y. Filed Oct. 27, 1921.

Fairweather

Particular description of goods.—Broad Silks in the Piece, Linens, Shirtings, Piece Goods, Cotton Piece Goods.

Claims use since Apr. 19, 1921.

Ser. No. 154,713. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WESTERN TOOL & FORGE COMPANY, Duluth, Minn. Filed Oct. 28, 1921.



No claim being made to the representation of a cold chisel, the trade-mark consisting of the annular depression in the shank of the tool.

Particular description of goods.—Cold Chisels and Punches.

Claims use since the 4th day of October, 1921.

Ser. No. 154,851. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOTHAR E. SWEITZER, Milwaukee, Wis. Filed Oct. 31, 1921.

AL-SANO

Particular description of goods.—Germicidal Dental Medicines and Tooth Paste.

Claims use since Sept. 1, 1921.

Ser. No. 155,009. (CLASS 27. HOROLOGICAL INSTRUMENTS.) W. J. BERNARD, New York, N. Y. Filed Nov. 4, 1921.

WILBERCO

Consisting of the word "Wilberco."
Particular description of goods.—Watches.
Claims use since June 20, 1920.

Ser. No. 155,107. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MILLER FILLER CO. INC., Brockton, Mass. Filed Nov. 7, 1921.

MILLER FILLER

Particular description of goods.—A Plastic Composition Composed Principally of Ground Cork to be Used in Filling the Cavity Between the Inner and Outer Soles on Welt or Imitation Welt.

Claims use since on or about May 1, 1921.

Ser. No. 155,116. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE PORTEOUS PRODUCTS CORP., INC., New York, N. Y. Filed Nov. 7, 1921.

MONEY SAVER

Particular description of goods.—Patches for Rubber Goods.

Claims use since Sept. 14, 1921.

Ser. No. 155,265. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LAVELVO COMPANY, Columbus, Ohio. Filed Nov. 10, 1921.

Lavelvo

Particular description of goods.—Skin Lotion.
Claims use since Oct. 1, 1921.

Ser. No. 155,285. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) V. VIVAUDOU, INC., New York, N. Y. Filed Nov. 10, 1921.

MAIVOU

Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, and Sachet Powders.

Claims use since Oct. 21, 1921.

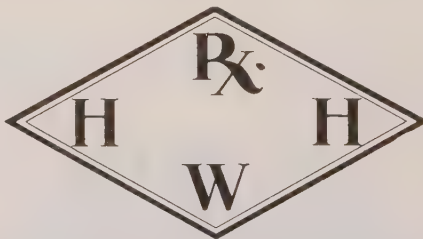
Ser. No. 155,317. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NORMAN T. POOL, Atlanta, Ga. Filed Nov. 12, 1921.

PALLADIO

Particular description of goods.—A Preparation for Cleaning the Hands and Also for Disinfecting, Cleaning, and Restoring the Color of Rugs, Carpets, Upholstery, Portières, Fine Fabrics, Woodwork, and for Different Parts of Automobiles, Enamelware, Tile Floors and Walls, and Clothing.

Claims use since May 1, 1921.

Ser. No. 155,348. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. H. HUGHES, Sapulpa, Okla. Filed Nov. 14, 1921.



Particular description of goods.—Preparation for the Treatment of Rheumatism, Gout, Sciatica, Lumbago, Uric and Lactic Acid Conditions, Eczema, Chronic Sores, and All Affections Arising from Bad Blood.

Claims use since Nov. 1, 1921.

Ser. No. 155,349. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN J. JENKINS, Victor, Colo. Filed Nov. 14, 1921.



Particular description of goods.—Antiseptic Wash.
Claims use since Aug. 1, 1921.

Ser. No. 155,350. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE J. X. CHEMICAL COMPANY, Baltimore, Md. Filed Nov. 14, 1921.



Particular description of goods.—Salve, Medicated Cream, Antiseptic, Greaseless, and Vanishing, for Use in Connection With Skin Trouble, Such as Eczema, Erysipelas, Poison Ivy, Pimples, Sunburn, Prickly Heat, Burns, for Facial Application After Shaving, and for Sore Feet, and for Use as an Antiseptic Mouth Wash, for General Purposes, Ulcerated Gums, and Sore Throat.

Claims use since Oct. 1, 1921.

Ser. No. 155,383. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY ADAMS, New York, N. Y. Filed Nov. 15, 1921.

MUEHR-A-TISM

Particular description of goods.—Preparation for the Treatment of Rheumatism.

Claims use since May 18, 1921.

Ser. No. 155,392. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE H. CAPEN, Canton Junction, Mass. Filed Nov. 15, 1921.



Particular description of goods.—Hat Dye.
Claims use since January, 1919.

Ser. No. 155,420. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SCOTCH-TONE COMPANY, Oklahoma, Okla. Filed Nov. 15, 1921.



Particular description of goods.—Soap.
Claims use since on or about Sept. 1, 1921.

Ser. No. 155,449. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE RIESER COMPANY, New York, N. Y. Filed Nov. 16, 1921.

VENIDA

Particular description of goods.—Lip Sticks, Face Powders, Rouge, Compact Powders, and Talcum Powder.

Claims use since Nov. 7, 1921.

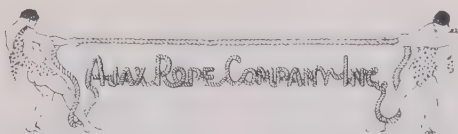
Ser. No. 155,463. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FERDINAND TREJO, New York, N. Y. Filed Nov. 16, 1921.

LOXOL

Particular description of goods.—Perspiration Deodorant.

Claims use since about 1916.

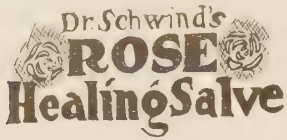
Ser. No. 155,472. (CLASS 7. CORDAGE.) AJAX ROPE COMPANY, INC., New York, N. Y. Filed Nov. 17, 1921.



Particular description of goods.—Manila Rope, Sisal Rope, Wire Rope, and Marline Covered Rope.

Claims use since Oct. 1, 1921.

Ser. No. 155,476. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS BELLAIRE, Le Mars, Iowa. Filed Nov. 17, 1921. Under ten-year proviso.



Particular description of goods.—A Salve for the Treatment of Wounds, Sores, Irritation, Infection, Piles, Chilblains, Rash, Frostbite, etc.

Claims use since 1867.

Ser. No. 155,482. (CLASS 32. FURNITURE AND UPHOLSTERY.) CRESCENT BED CO. LTD., New Orleans, La. Filed Nov. 17, 1921.



**"For
Restful
Sleep"**

No claim being made to the words "For Restful Sleep" apart from the mark shown.

Particular description of goods.—Beds, Cribs, Bed Springs, and Cots and Mattresses.

Claims use since July 1, 1921.

Ser. No. 155,531. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) YOUNG & SONS, INC., Hoboken, N. J. Filed Nov. 17, 1921.

Y. & S.

Particular description of goods.—Transits and Levels.

Claims use since Apr. 5, 1921.

Ser. No. 155,532. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) YOUNG & SONS, INC., Hoboken, N. J. Filed Nov. 17, 1921. Under ten-year proviso.

YOUNG & SONS

Particular description of goods.—Transits and Levels.

Claims use since 1850.

Ser. No. 155,544. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. HOWARD BAKER, Fort Smith, Ark. Filed Nov. 18, 1921.

CHERRYLINE

Particular description of goods.—Cough Sirup.

Claims use since about Dec. 15, 1920.

Ser. No. 155,547. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MRS. G. W. BENDY, Houston, Tex. Filed Nov. 18, 1921.

EKO

Particular description of goods.—Pomade.

Claims use since Sept. 1, 1921.

Ser. No. 155,561. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KING C. HUDSON, Chicago, Ill. Filed Nov. 18, 1921.

NUDENT

Particular description of goods.—Tooth Paste.

Claims use since Nov. 4, 1921.

Ser. No. 155,593. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BAUER & BLACK, Chicago, Ill. Filed Nov. 19, 1921.

Pageant

Particular description of goods.—Soap.

Claims use since Nov. 1, 1921.

Ser. No. 155,615. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
WALTER H. HUGGINS, Malden, Mass. Filed Nov. 19, 1921.

KOLTAROL

Particular description of goods.—Disinfectants, Deodorizers, Fumigators, Antiseptics, for Relieving Tired Feet, for Cleaning and Healing Wounds, Cuts, Burns, for Relieving Insect Bites and Stings, and as an Animal Wash for Expelling Fleas, Insects, Parasites, and the Like.

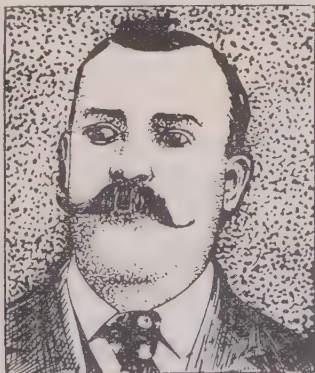
Claims use since Nov. 2, 1921.

Ser. No. 155,637. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
W. M. RUTHRAUFF COMPANY, Philadelphia, Pa. Filed November 19, 1921.

ACIDENT

Particular description of goods.—Dentifrice.
Claims use since July, 1921.

Ser. No. 155,772. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
SALVATOR RUOCO, New York, N. Y. Filed Nov. 22, 1921.



Is a picture of applicant.

Particular description of goods.—Medicine Used in the Treatment of Pneumonia.

Claims use since Sept. 1, 1921.

Ser. No. 155,774. (CLASS 32. FURNITURE AND UPHOLSTERY.) SMITH & DAVIS MANUFACTURING COMPANY, St. Louis, Mo. Filed Nov. 22, 1921.

SANDMAN

Particular description of goods.—Beds and Bed Springs.
Claims use since Nov. 5, 1921.

Ser. No. 155,778. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
MYRA M. SHUTTLES, Dallas, Tex. Filed Nov. 22, 1921.
Under ten-year proviso.

WILKES' IRISH SPECIFIC

Particular description of goods.—A Blood Specific for Impure Blood.

Claims use since about Jan. 1, 1885.

Ser. No. 155,967. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.)
THE IDEAL TIRE AND RUBBER COMPANY, Cleveland, Ohio. Filed Nov. 26, 1921.

RANGER

Particular description of goods.—Vehicle Tires of Rubber and Rubber and Fabric, Inner Tubes, Tire Casings and Shoes, and Repair Parts for Use in Connection with the Foregoing—Namely, Lace-On Boots, Hook-On Boots, Reliners, Blow-Out Patches, Cementless Patches, Cord Patches, and Valve Patches.

Claims use since Aug. 10, 1921.

Ser. No. 156,030. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) J. C. SCHWARTZ, St. Louis, Mo. Filed Nov. 28, 1921.

Subert

Particular description of goods.—Material for Models for the Construction of Dental Crowns and Bridges.

Claims use since Nov. 1, 1921.

Ser. No. 156,079. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COLGATE & COMPANY, Jersey City, N. J. Filed Nov. 30, 1921.

ATTÁ

Particular description of goods.—Soaps.

Claims use since Nov. 16, 1921.

Ser. No. 156,082. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COLGATE & COMPANY, Jersey City, N. J. Filed Nov. 30, 1921.

ALLEGRO

Particular description of goods.—Soaps.
Claims use since Nov. 16, 1921.

Ser. No. 156,127. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE YALE & TOWNE MFG. CO., Stamford, Conn. Filed Nov. 30, 1921.

YALE

Particular description of goods.—Automotive Trucks and Trailers.
Claims use since Nov. 11, 1920, on motor trucks; since Aug. 27, 1920, on trailers.

Ser. No. 156,295. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE PROCTER AND GAMBLE COMPANY, Cincinnati, Ohio. Filed Dec. 5, 1921. Under ten-year proviso.



Particular description of goods.—Soap.
Claims use since Oct. 1, 1876.

Ser. No. 156,329. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CLARA V. HAVENS, New York, N. Y. Filed Dec. 6, 1921.

TUBBINS

Particular description of goods.—Washable Dolls, Washable Toy Animals, and Washable Doll Clothes.
Claims use since about Oct. 15, 1921.

Ser. No. 156,501. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) REISS-PREMIER PIPE COMPANY, Chicago, Ill. Filed Dec. 9, 1921.

PRINCE OF WALES

Particular description of goods.—Smoking Pipes and Cases for Pipes.
Claims use since May, 1921.

Ser. No. 156,568. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COMMERCIAL SOAP COMPANY, Reno, Nev. Filed Dec. 12, 1921.

Rose Petal

Particular description of goods.—Toilet Soap.
Claims use since Jan. 17, 1919.

Ser. No. 156,612. (CLASS 37. PAPER AND STATIONERY.) S. D. WARREN COMPANY, Boston, Mass. Filed Dec. 12, 1921.

THINTEXT

Particular description of goods.—Printing Paper.
Claims use since Oct. 25, 1920.

Ser. No. 156,729. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WALLBRUNN, KLING & Co., Chicago, Ill. Filed Dec. 14, 1921.

KIDDIE KOLOR KARD

Consisting of the name "Kiddie Kolor Kard," no claim of exclusive rights being made to the words "Kolor Kard."

Particular description of goods.—Children's Water-Color Palettes.

Claims use since Oct. 8, 1921.

Ser. No. 156,737. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRED C. DUNLAP, Kansas City, Mo. Filed Dec. 15, 1921.



Particular description of goods.—A Cleaning Compound for the Hands.

Claims use since about Nov. 9, 1921.

Ser. No. 156,802. (CLASS 39. CLOTHING.) THOMAS G. PLANT COMPANY, Boston, Mass. Filed Dec. 16, 1921.

Arch Conformer

Particular description of goods.—Boots, Shoes, and Slippers of Leather, Rubber, Felt, Silk, Cloth, or other Fabric Construction.

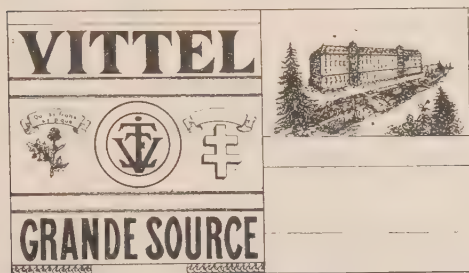
Claims use since January, 1918.

Ser. No. 156,878. (CLASS 31. FILTERS AND REFRIGERATORS.) EASTMAN A. BURROWS, Chicago, Ill. Filed Dec. 19, 1921.

LOUVRE

Particular description of goods.—Refrigerating Apparatus, Artificial-Ice Machinery, Including Freezing Tanks.
Claims use since Mar. 1, 1921.

Ser. No. 156,930. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) SOCIETE GENERALE DES EAUX MINERALES DE VITTEL, Vittel, France. Filed Dec. 19, 1921.



No claim being made to the words "Vittel" and "Grande Source" apart from the mark shown in the drawing.

Particular description of goods.—Natural Mineral Waters.

Claims use since 1890.

Ser. No. 156,931. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) SOCIETE GENERALE DES EAUX MINERALES DE VITTEL, Vittel, France. Filed Dec. 19, 1921.



No claim being made to the words "Vittel" and "Grande Source" apart from the mark shown in the drawing.

Particular description of goods.—Natural Mineral Waters.

Claims use since 1890.

Ser. No. 157,022. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHERAMY, INCORPORATED, New York, N. Y. Filed Dec. 22, 1921.

FROLIC

Particular description of goods.—Toilet Soaps.
Claims use since Nov. 10, 1921.

Ser. No. 157,310. (CLASS 39. CLOTHING.) EDMONDS SHOE COMPANY, Milwaukee, Wis. Filed Dec. 30, 1921.

FOOT-FITTER

Particular description of goods.—Leather Shoes.
Claims use since Mar. 3, 1919.

Ser. No. 157,386. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) PACIFIC GAS RADIATOR Co., Los Angeles, Calif. Filed Dec. 31, 1921.

PACIFIC

Particular description of goods.—Gas Radiators.
Claims use since on or about Dec. 1, 1915.

Ser. No. 157,467. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) THE W. T. WAGNER'S SONS COMPANY, Cincinnati, Ohio. Filed Jan. 3, 1922.

BONNIE — BRIAR

Particular description of goods.—Nonalcoholic, Non-cereal, Maltless Beverage Sold as a Soft Drink.
Claims use since Dec. 20, 1921.

Ser. No. 157,558. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) THE DUBONNET COMPANY, Connellsville, Pa. Filed Jan. 6, 1922.

DUBONNET CLUB

PRONOUNCED
DU-BON-NAY

Particular description of goods.—Ginger Ale.
Claims use since Dec. 7, 1921.

Ser. No. 157,589. (CLASS 31. FILTERS AND REFRIGERATORS.) J. ROSE & Co. INC., New York, N. Y. Filed Jan. 6, 1922.

THE ROSE FROSTAIR

Consisting of the words "The Rose Frostair."
Particular description of goods.—Refrigerators.
Claims use since Dec. 19, 1921.

Ser. No. 157,611. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HOLMAC, INC., New York, N. Y. Filed Jan. 7, 1922.

"ASK YOUR PRO."

Particular description of goods.—Golf Balls.
Claims use since Dec. 28, 1921.

Ser. No. 157,792. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed Jan. 12, 1922.

FAIRY

Consisting of the word "Fairy."
Particular description of goods.—Fishing Line.
Claims use since 1916.

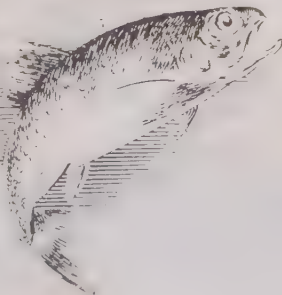
Ser. No. 157,793. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed Jan. 12, 1922.

JUNIOR

Consisting of the word "Junior."
Particular description of goods.—Fishing Line.
Claims use since 1911.

Ser. No. 157,794. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed Jan. 12, 1922.

SPECKLED BEAUTY



Particular description of goods.—Fishing Line.
Claims use since 1911.

Ser. No. 157,795. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed Jan. 12, 1922.



Consisting of the picture of a polecat.
Particular description of goods.—Fishing Line.
Claims use since 1920.

Ser. No. 157,796. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed Jan. 12, 1922.

"RELIANCE"

Consisting of the word "Reliance."
Particular description of goods.—Fishing Line.
Claims use since 1903.

Ser. No. 157,800. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed Jan. 12, 1922.



Particular description of goods.—Fishing Lines.
Claims use since 1916.

Ser. No. 157,801. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed Jan. 12, 1922.



Particular description of goods.—Fishing Line.
Claims use since 1911.

Ser. No. 157,802. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed Jan. 12, 1922.

WINCHECK

Consisting of the word "Wincheck."
Particular description of goods.—Fishing Line.
Claims use since 1915.

Ser. No. 157,806. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed Jan. 12, 1922.

"BLACK-HAWK"

Consisting of the words "Black Hawk."
Particular description of goods.—Fishing Line.
Claims use since 1906.

Ser. No. 157,807. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed Jan. 12, 1922.

Midland

Consisting of the word "Midland."
Particular description of goods.—Fishing Line.
Claims use since 1919.

Ser. No. 157,809. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed Jan. 12, 1922.

TOMAQUAUG

Consisting of the word "Tomaquaug."
Particular description of goods.—Fishing Line
Claims use since 1916.

Ser. No. 157,812. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed Jan. 12, 1922.

JUDY

Consisting of the word "Judy."
Particular description of goods.—Fishing Line.
Claims use since 1916.

Ser. No. 157,813. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed Jan. 12, 1922.

"STARLING"

Consisting of the word "Starling."
Particular description of goods.—Fishing Line.
Claims use since 1916.

Ser. No. 157,814. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed Jan. 12, 1922.

OAKLAND

Consisting of the word "Oakland."
Particular description of goods.—Fishing Line.
Claims use since 1904.

Ser. No. 157,815. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed Jan. 12, 1922.

ALTECO

Consisting of the word "Alteco."
Particular description of goods. Fishing Line.
Claims use since 1916.

Ser. No. 157,816. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed Jan. 12, 1922.

DIVER

Consisting of the word "Diver."
Particular description of goods.—Fishing Line.
Claims use since 1919.

Ser. No. 157,818. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed Jan. 12, 1922.

KING PHILIP

Consisting of the words "King Philip."
Particular description of goods.—Fishing Line.
Claims use since 1913.

Ser. No. 157,819. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed Jan. 12, 1922.

NAUTILUS

Consisting of the word "Nautilus."
Particular description of goods.—Fishing Line.
Claims use since 1919.

Ser. No. 157,876. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BAKER PAINT & VARNISH CO., Jersey City, N. J. Filed Jan. 13, 1922.

GOLD BOND

Particular description of goods.—Putty.
Claims use since 1916.

Ser. No. 157,917. (CLASS 37. PAPER AND STATIONERY.) JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed Jan. 14, 1922.

ELDORADO

Particular description of goods.—Rubber Erasers.
Claims use since 1901.

Ser. No. 157,956. (CLASS 37. PAPER AND STATIONERY.) THE PARKER PEN CO., Janesville, Wis. Filed Jan. 14, 1922.

DUOFOLD

Consisting of the word "Duofold."
Particular description of goods.—Fountain Pens.
Claims use since Sept. 1, 1921.

Ser. No. 157,979. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BERRY BROTHERS, Detroit, Mich. Filed Jan. 16, 1922.

BERRYSPAR

Particular description of goods.—Varnishes.
Claims use since October, 1921.

Ser. No. 158,093. (CLASS 37. PAPER AND STATIONERY.) PENCIL PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 18, 1922.

'SAL^zRITE

Consists of a combination of the name of the president of the applicant corporation with the word "rite," the "z" of Mr. Salz's name being written in a peculiar manner for the purpose of connecting the two words into one.
Particular description of goods.—Pencils of the Propelled-Lead Type.
Claims use since Nov. 15, 1921.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

FEBRUARY 21, 1922.

- 152,109. SALVE FOR TREATMENT OF PILES, CATTARRH, ECZEMA, BURNS AND SCALDS, SORE LIPS, ETC. ADAMS & HILEMAN, Whitefish, Mont.
Filed July 21, 1921. Serial No. 150,719. PUBLISHED NOVEMBER 8, 1921.
- 152,110. TOILET PREPARATION FOR PREVENTING, ABSORBING, OR DEODORIZING PERSPIRATION. AETNA CHEMICAL COMPANY, Worcester, Mass.
Filed June 21, 1921. Serial No. 149,437. PUBLISHED OCTOBER 4, 1921.
- 152,111. SILK PIECE GOODS. AIMÉ BABOIN & CIE., Lyon, France.
Filed April 20, 1920. Serial No. 131,373. PUBLISHED OCTOBER 25, 1921.
- 152,112. A GENERAL TONIC AND RECONSTRUCTIVE. AMERICAN APOTHECARIES COMPANY, New York, N. Y.
Filed June 22, 1921. Serial No. 149,499. PUBLISHED OCTOBER 4, 1921.
- 152,113. MECHANICAL STROPPERS FOR SAFETY-RAZOR BLADES. AMERICAN STROPPER CORPORATION, Baltimore, Md.
Filed October 25, 1921. Serial No. 154,546. PUBLISHED DECEMBER 6, 1921.
- 152,114. CERTAIN NAMED TEXTILE FABRICS IN THE PIECE. WM. ANDERSON TEXTILE MFG. CO., New York, N. Y.
Filed June 24, 1921. Serial No. 149,572. PUBLISHED OCTOBER 4, 1921.
- 152,115. A CERTAIN NAMED MEDICINAL PREPARATION. ANGIER CHEMICAL CO., Boston, Mass.
Filed October 25, 1920. Serial No. 138,745. PUBLISHED OCTOBER 4, 1921.
- 152,116. LAXATIVES. WILLIAM H. ARTHUR, Stamford, Conn.
Filed June 17, 1921. Serial No. 149,258. PUBLISHED NOVEMBER 8, 1921.
- 152,117. COMPOUND FOR SEALING LEAKS IN RADIATORS OF GAS ENGINES. ATKINSON DRUG COMPANY, Atkinson, Ill.
Filed June 24, 1921. Serial No. 149,573. PUBLISHED NOVEMBER 1, 1921.
- 152,118. CERTAIN NAMED TOILET PREPARATIONS. THE BAILEY CO., Cleveland, Ohio.
Filed June 14, 1921. Serial No. 149,121. PUBLISHED NOVEMBER 1, 1921.
- 152,119. STOMACH REMEDY. BARNEY-BENNETT CO., Sioux City, Iowa.
Filed July 30, 1921. Serial No. 151,144. PUBLISHED NOVEMBER 1, 1921.
- 152,120. A SALVE FOR WOUNDS, SORES, ECZEMA, AND SKIN DISEASES. ANTONI BARON, East Chicago, Ind.
Filed June 29, 1921. Serial No. 149,795. PUBLISHED NOVEMBER 1, 1921.
- 152,121. CELERY BREAD. FRANK J. BARRAGER, Los Angeles, Calif.
Filed May 19, 1921. Serial No. 147,910. PUBLISHED OCTOBER 25, 1921.
- 152,122. LIQUID DENTIFRICE. BIRCH CHEMICAL CO., Columbus, Ohio.
Filed July 30, 1921. Serial No. 151,141. PUBLISHED NOVEMBER 1, 1921.
- 152,123. FRUITS, VEGETABLES, FISH, ROLLED OATS, COFFEE, COCO, SUGAR, TEA, EXTRACTS, SPICES, COCONUT, TAPIOCA, RICE. THE BON I. LOOK STORES COMPANY, Denver, Colo.
Filed July 21, 1920. Serial No. 135,229. PUBLISHED OCTOBER 25, 1921.
- 152,124. COMPOUND FOR RELIEVING FEVER. WLADYSŁAW BORKOWSKI, Brooklyn, N. Y.
Filed July 18, 1921. Serial No. 150,500. PUBLISHED NOVEMBER 8, 1921.
- 152,125. LIQUID FACE POWDER. JEANETTE G. BROWN, Chicago, Ill.
Filed June 20, 1921. Serial No. 149,377. PUBLISHED NOVEMBER 1, 1921.
- 152,126. CERTAIN NAMED MEDICINAL PREPARATIONS. ANNA G. BROWNING, Philadelphia, Pa.
Filed June 14, 1921. Serial No. 149,123. PUBLISHED OCTOBER 11, 1921.
- 152,127. REFRIGERATORS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill.
Filed October 28, 1921. Serial No. 154,678. PUBLISHED NOVEMBER 29, 1921.
- 152,128. CORN SALVE. HOMER D. BURNETT, Shinnston, W. Va.
Filed June 20, 1921. Serial No. 149,373. PUBLISHED OCTOBER 11, 1921.
- 152,129. A CERTAIN NAMED PHARMACEUTICAL PREPARATION. THE CALCO CHEMICAL COMPANY, Boundbrook, N. J.
Filed June 15, 1921. Serial No. 149,172. PUBLISHED OCTOBER 4, 1921.
- 152,130. BREAKFAST CEREALS, MALT FOODS, HOMINY, OATMEAL, LACTANA, PEARL BARLEY; DAIRY, HORSE, HOG, POULTRY FEED. CEREAL PRODUCTS CO., Manitowoc, Wis.
Filed May 2, 1921. Serial No. 147,088. PUBLISHED OCTOBER 25, 1921.
- 152,131. HAIR GROWER. JOHN CETRULO, Arlington, N. J.
Filed June 10, 1921. Serial No. 148,929. PUBLISHED NOVEMBER 1, 1921.
- 152,132. BLOOD AND NERVE TONIC IN LIQUID FORM. THE CLAUSEN ZOLLER COMPANY, St. Louis, Mo.
Filed June 23, 1921. Serial No. 149,541. PUBLISHED OCTOBER 4, 1921.
- 152,133. MOHAIR DRESS FABRICS AND ALPACA LININGS IN THE PIECE. CLEMINSHAW, LEVITCH & COMPANY, New York, N. Y.
Filed May 9, 1921. Serial No. 147,409. PUBLISHED NOVEMBER 1, 1921.
- 152,134. A PREPARATION FOR THE TREATMENT OF THE SKIN, AND FACE POWDER. C. C. COLE, Atlanta, Ga.
Filed June 21, 1921. Serial No. 149,443. PUBLISHED NOVEMBER 8, 1921.
- 152,135. LIQUID AND POWDERED PERFUMES. COLGATE & COMPANY, Jersey City, N. J.
Filed June 21, 1921. Serial No. 149,446. PUBLISHED OCTOBER 4, 1921.

152,136. WHEAT FLOUR. COLLINS FLOUR MILLS, Pendleton, Oreg.
Filed June 30, 1921. Serial No. 149,387. PUBLISHED OCTOBER 25, 1921.

152,137. WHEAT FLOUR. COLLINS FLOUR MILLS, Pendleton, Oreg.
Filed June 30, 1921. Serial No. 149,389. PUBLISHED OCTOBER 25, 1921.

152,138. WHEAT FLOUR. COLLINS FLOUR MILLS, Pendleton, Oreg.
Filed June 30, 1921. Serial No. 149,390. PUBLISHED OCTOBER 25, 1921.

152,139. A CERTAIN NAMED MEDICINAL PREPARATION. COMER, FETTERLY & Co. Inc., Union Hill, N. J.
Filed June 10, 1921. Serial No. 148,923. PUBLISHED OCTOBER 4, 1921.

152,140. A CERTAIN NAMED MEDICINAL PREPARATION. COMER, FETTERLY & Co., Inc., Union Hill, N. J., and New York, N. Y.
Filed June 27, 1921. Serial No. 149,684. PUBLISHED NOVEMBER 1, 1921.

152,141. SHEETS, SHEETINGS, AND PILLOWCASES. COOPER, COATE & CASEY DRY GOODS Co., Los Angeles, Calif.
Filed September 3, 1921. Serial No. 152,543. PUBLISHED OCTOBER 18, 1921.

152,142. A LIQUID LAXATIVE COLD COMPOUND. THE COOPER MEDICINE Co., Dayton, Ohio.
Filed July 23, 1921. Serial No. 150,849. PUBLISHED OCTOBER 25, 1921.

152,143. A MEDICINE USED IN THE TREATMENT OF CATARRHAL CONDITIONS. CROWN REMEDY COMPANY, Dallas, Tex.
Filed July 18, 1921. Serial No. 150,515. PUBLISHED NOVEMBER 8, 1921.

152,144. A CERTAIN NAMED MEDICINAL PREPARATION. CROWN REMEDY COMPANY, Dallas, Tex.
Filed July 18, 1921. Serial No. 150,516. PUBLISHED NOVEMBER 8, 1921.

152,145. ANTISEPTIC LOTION. CROWN REMEDY COMPANY, Dallas, Tex.
Filed July 18, 1921. Serial No. 150,517. PUBLISHED NOVEMBER 8, 1921.

152,146. HEALING OINTMENT. CROWN REMEDY COMPANY, Dallas, Tex.
Filed July 18, 1921. Serial No. 150,518. PUBLISHED NOVEMBER 8, 1921.

152,147. CERTAIN NAMED TOILET PREPARATIONS. CUPID BEAUTY COMPANY, New York, N. Y.
Filed June 25, 1921. Serial No. 149,627. PUBLISHED NOVEMBER 1, 1921.

152,148. REMEDY AGAINST GALLSTONES, LIVER COMPLAINT, INTESTINAL DISEASES, AND VOMITING DURING PREGNANCY. DR. IVO DEIGLMAYER CHEMISCHE FABRIC, Munich, Germany.
Filed May 14, 1921. Serial No. 147,717. PUBLISHED NOVEMBER 1, 1921.

152,149. LIGHT-WEIGHT SUMMER PORTIÈRES, SILK DRAPERY CLOTHS, AND CURTAINS ADAPTED FOR DOORS OR WINDOWS. JOSEPH DERK, Philadelphia, Pa.
Filed September 24, 1920. Serial No. 137,568. PUBLISHED NOVEMBER 1, 1921.

152,150. MEDICATED FOOT POWDER. PAUL L. DE WEESE, Lima, Ohio.
Filed June 16, 1921. Serial No. 149,215. PUBLISHED OCTOBER 4, 1921.

152,151. SODA ASH AND CAUSTIC SODA AND MODIFIED FORMS OF EACH OF VARYING ALKALI CONTENT. DIAMOND ALKALI COMPANY, Pittsburgh, Pa.
Filed April 8, 1920. Serial No. 130,806. PUBLISHED NOVEMBER 1, 1921.

152,152. BROAD SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed September 14, 1921. Serial No. 152,915. PUBLISHED OCTOBER 25, 1921.

152,153. BROAD SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed September 14, 1921. Serial No. 152,916. PUBLISHED OCTOBER 25, 1921.

152,154. BROAD SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed September 14, 1921. Serial No. 152,917. PUBLISHED OCTOBER 25, 1921.

152,155. BROAD SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed September 14, 1921. Serial No. 152,918. PUBLISHED OCTOBER 25, 1921.

152,156. DYESTUFF INTERMEDIATES. E. I. DU PONT DE NEMOURS & COMPANY, Wilmington, Del.
Filed May 26, 1921. Serial No. 148,259. PUBLISHED OCTOBER 4, 1921.

152,157. [WITHDRAWN.]

152,158. ANTISEPTIC OINTMENT. HAROLD C. DURAR, Plainfield, N. J.
Filed July 23, 1921. Serial No. 150,855. PUBLISHED NOVEMBER 8, 1921.

152,159. HENNA SHAMPOO. EAST AND WEST TRADING CORPORATION, New York, N. Y.
Filed June 27, 1921. Serial No. 149,691. PUBLISHED OCTOBER 11, 1921.

152,160. ALKALINE ANTISEPTICS. WILLIAM N. EDENFIELD, Atlanta, Ga.
Filed July 26, 1921. Serial No. 150,961. PUBLISHED OCTOBER 25, 1921.

152,161. CERTAIN NAMED PAPER. HENRY EDMUNDS, Westminster, London, England, assignor to Hydrolloid Incorporated, New York, N. Y., a Corporation of New York.
Filed April 30, 1921. Serial No. 147,017. PUBLISHED OCTOBER 11, 1921.

152,162. ANTISEPTICS. WALTER L. ERHARDT, St. Louis, Mo.
Filed September 15, 1920. Serial No. 137,218. PUBLISHED OCTOBER 4, 1921.

152,163. COTTON GOODS IN THE PIECE. THE ERWIN COTTON MILLS Co., West Durham, N. C.
Filed September 22, 1920. Serial No. 137,450. PUBLISHED APRIL 12, 1921.

152,164. SHEETS AND PILLOWCASES AND COTTON GOODS IN THE PIECE. THE ERWIN COTTON MILLS Co., West Durham, N. C.
Filed September 22, 1920. Serial No. 137,457. PUBLISHED APRIL 12, 1921.

152,165. EGG-PRESERVING COMPOUND. FIGARO CHEMICAL Co., Dallas, Tex.
Filed December 6, 1920. Serial No. 140,641. PUBLISHED OCTOBER 4, 1921.

152,166. A REMEDY FOR THE TREATMENT OF RHEUMATISM, HEADACHE, NEURALGIA, AND GRIPPE. J. FILIPOWICZ & Co., Baltimore, Md.
Filed June 16, 1921. Serial No. 149,222. PUBLISHED OCTOBER 4, 1921.

152,167. A CERTAIN NAMED MEDICINAL PREPARATION. RONANA FILKINS, Traverse City, Mich.
Filed June 20, 1921. Serial No. 149,394. PUBLISHED OCTOBER 4, 1921.

152,168. A MEDICAL PREPARATION FOR THE TREATMENT OF SKIN DISEASES. SARAH FINKEL, New York, N. Y.
Filed March 10, 1921. Serial No. 144,567. PUBLISHED NOVEMBER 8, 1921.

152,169. VARIOUS PIECE GOODS—NAMELY, WOOLEN FABRICS, COTTON FABRICS, SILK FABRICS, VELVETS, AND VELVETEENS. FINKELSTEIN & SONS INC., New York, N. Y.
Filed November 30, 1920. Serial No. 140,433. PUBLISHED OCTOBER 25, 1921.

- 152,170. POWDER FOR AFFECTIONS OF THE SKIN. RODOLFO FLORES, Sedalia, Mo.
Filed June 24, 1921. Serial No. 149,580. PUBLISHED OCTOBER 4, 1921.
- 152,171. A CERTAIN NAMED OINTMENT. RODOLFO FLORES, Sedalia, Mo.
Filed June 24, 1921. Serial No. 149,582. PUBLISHED NOVEMBER 1, 1921.
- 152,172. BAKING POWDER, CREAM OF TARTAR, SODA. J. A. FOLGER & Co., San Francisco, Calif.
Filed July 20, 1921. Serial No. 150,665. PUBLISHED OCTOBER 25, 1921.
- 152,173. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed September 6, 1921. Serial No. 152,611. PUBLISHED OCTOBER 25, 1921.
- 152,174. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN, Passaic, N. J.
Filed September 6, 1921. Serial No. 152,612. PUBLISHED OCTOBER 25, 1921.
- 152,175. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed September 6, 1921. Serial No. 152,613. PUBLISHED OCTOBER 25, 1921.
- 152,176. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed September 6, 1921. Serial No. 152,614. PUBLISHED OCTOBER 25, 1921.
- 152,177. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed September 6, 1921. Serial No. 152,615. PUBLISHED OCTOBER 25, 1921.
- 152,178. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed September 6, 1921. Serial No. 152,617. PUBLISHED OCTOBER 25, 1921.
- 152,179. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed September 6, 1921. Serial No. 152,618. PUBLISHED OCTOBER 25, 1921.
- 152,180. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed September 6, 1921. Serial No. 152,619. PUBLISHED OCTOBER 25, 1921.
- 152,181. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed September 6, 1921. Serial No. 152,610. PUBLISHED OCTOBER 25, 1921.
- 152,182. MEDICINE USEFUL IN CONDITIONS RESULTING FROM FAULTY DIET AND VITAMINE DEFICIENCY. FREDERICK STEARNS & COMPANY, Detroit, Mich.
Filed June 18, 1921. Serial No. 149,361. PUBLISHED OCTOBER 11, 1921.
- 152,183. A CERTAIN NAMED MEDICINAL PREPARATION. ROBERT J. GATES, New York, N. Y.
Filed July 23, 1921. Serial No. 150,858. PUBLISHED NOVEMBER 8, 1921.
- 152,184. AN OINTMENT FOR TREATING THE SCALP. ALICE G. GOMILLION, Looke, Ark.
Filed June 24, 1921. Serial No. 149,586. PUBLISHED OCTOBER 11, 1921.
- 152,185. MORDANTS. GRASSER CHEMICAL COMPANY INC., New Orleans, La.
Filed April 20, 1920. Serial No. 131,386. PUBLISHED OCTOBER 4, 1921.
- 152,186. PREPARATION FOR USE AS A MOUTH CLEANSER. W. H. GRAVES, Pittsburg, Kans.
Filed June 15, 1921. Serial No. 149,181. PUBLISHED OCTOBER 4, 1921.
- 152,187. PERFUMES, TOILET WATERS, FACE LOTIONS, EAU DE COLOGNE, AND BRILLIANTINE. MARIE MARTHE RICHARD VVE. GRENOVILLE, Asnieres, France.
Filed July 19, 1921. Serial No. 150,610. PUBLISHED NOVEMBER 1, 1921.
- 152,188. PERFUMES, TOILET WATERS, AND BRILLIANTINE. MARIE MARTHE RICHARD VVE. GRENOVILLE, Asnieres, France.
Filed July 19, 1921. Serial No. 150,612. PUBLISHED NOVEMBER 8, 1921.
- 152,189. HAIR NETS. HAIR NET IMPORTING CO. INC., New York, N. Y.
Filed June 21, 1920. Serial No. 133,969. PUBLISHED NOVEMBER 1, 1921.
- 152,190. ANTISEPTIC POWDER FOR CUTS, SORES, WOUNDS, AND VAGINAL DOUCHES. ARTHUR C. HANSON, Chicago, Ill.
Filed March 22, 1920. Serial No. 130,036. PUBLISHED NOVEMBER 1, 1921.
- 152,191. FACE CREAM. NICLES HARTOFELIS, Manchester, N. H.
Filed April 30, 1921. Serial No. 147,024. PUBLISHED OCTOBER 11, 1921.
- 152,192. WORSTED AND WOOLEN TEXTILE FABRICS IN THE PIECE. HOLDEN-LEONARD COMPANY, New York, N. Y.
Filed January 2, 1920. Serial No. 126,727. PUBLISHED OCTOBER 18, 1921.
- 152,193. CERTAIN NAMED CHEMICAL PREPARATIONS. THE R. M. HOLLINGSHEAD Co., Camden, N. J.
Filed June 14, 1921. Serial No. 149,136. PUBLISHED NOVEMBER 1, 1921.
- 152,194. A PREPARATION FOR TREATMENT OF NERVOUSNESS, SLEEPLESSNESS, AND GENERAL DEBILITY. WILLIAM A. HOOKS, Atlanta, Ga.
Filed June 28, 1921. Serial No. 149,751. PUBLISHED OCTOBER 11, 1921.
- 152,195. WHEAT FLOUR. HOLT & COMPANY, New York, N. Y.
Filed June 23, 1921. Serial No. 149,547. PUBLISHED OCTOBER 25, 1921.
- 152,196. PHARMACEUTICAL PREPARATION — NAMELY, HOWES' RHEUMATIC TABLETS. HOWES' LABORATORIES, Milford, Conn.
Filed May 12, 1921. Serial No. 147,619. PUBLISHED OCTOBER 11, 1921.
- 152,197. BEDSPREADS AND COUCH COVERS. F. C. HUYCK & SONS, Albany, N. Y.
Filed February 15, 1921. Serial No. 143,604. PUBLISHED OCTOBER 18, 1921.
- 152,198. BACON, SMOKED BELLY, FRESH PORK SAUSAGE, FRANKFURTER STYLE SAUSAGES, BOLOGNA SAUSAGE, and MINCED MEAT. INDIANAPOLIS ABATTOIR COMPANY, Indianapolis, Ind.
Filed August 6, 1918. Serial No. 112,574. PUBLISHED FEBRUARY 3, 1920.
- 152,199. INSECTICIDE. INSECTO MANUFACTURING CO., INC., Cedar Grove, La.
Filed June 15, 1921. Serial No. 149,186. PUBLISHED OCTOBER 4, 1921.
- 152,200. CANDY AND CHOCOLATE BARS. JACOB BROTHERS, Torrington, Conn.
Filed June 28, 1921. Serial No. 149,755. PUBLISHED SEPTEMBER 20, 1921.
- 152,201. A REMEDY FOR DISEASES OF THE RESPIRATORY ORGANS. DR. D. JAYNE & SON, Philadelphia, Pa.
Filed July 25, 1921. Serial No. 150,899. PUBLISHED OCTOBER 25, 1921.

152,202. SPICES AND EXTRACTS FOR USE IN SEASONING FOOD. B. M. JOHNSON MANUFACTURING Co., Jackson, Tenn.

Filed July 26, 1920. Serial No. 135,424. PUBLISHED FEBRUARY 1, 1921.

152,203. LAWN-GRASS SEED. JOHN OLIVER JOHNSON, Chicago, Ill.

Filed June 3, 1921. Serial No. 148,601. PUBLISHED JULY 26, 1921.

152,204. A MIXTURE OR COMBINATION OF SEEDS USED AS FOOD FOR BIRDS. KAEMPFER'S INCORPORATED, Chicago, Ill.

Filed June 16, 1920. Serial No. 133,783. PUBLISHED OCTOBER 25, 1921.

152,205. SKIN AND MASSAGE LOTIONS AND CREAMS: FACIAL, SKIN, AND DEPILETORY POWDERS. KAUFMAN-STAUS Co., Louisville, Ky.

Filed December 6, 1920. Serial No. 140,654. PUBLISHED OCTOBER 4, 1921.

152,206. LAUNDRY STARCH. THE KEEVER STARCH Co., Columbus, Ohio.

Filed January 22, 1920. Serial No. 127,478. PUBLISHED MAY 18, 1920.

152,207. MEDICINAL TABLETS FOR HEADACHE, NEURALGIA, COLDS, LA GRIPE, ACHES, AND PAINS. CHARLES E. KIESLING, Canton, Ohio.

Filed June 15, 1921. Serial No. 149,191. PUBLISHED OCTOBER 4, 1921.

152,208. A MEDICINAL PREPARATION AND HAIR RESTORER. KIRBARINE Co., New York, N. Y.

Filed July 20, 1921. Serial No. 150,691. PUBLISHED OCTOBER 25, 1921.

152,209. SALVE. NICK W. KLINE, Los Angeles, Calif.

Filed June 10, 1918. Serial No. 111,457. PUBLISHED OCTOBER 4, 1921.

152,210. CERTAIN NAMED TOILET AND MEDICINAL PREPARATIONS. G. S. KOLAR LABORATORIES, Chicago, Ill.

Filed April 22, 1921. Serial No. 146,565. PUBLISHED SEPTEMBER 27, 1921.

152,211. MEDICINES FOR THE TREATMENT OF AFFECTIONS OF THE HEART. LABORATOIRE NATIONELLE, Paris, France.

Filed June 22, 1921. Serial No. 149,509. PUBLISHED NOVEMBER 8, 1921.

152,212. LAXATIVES AND PURGATIVES. DANIEL B. LATIMER, Philadelphia, Pa.

Filed July 27, 1921. Serial No. 151,013. PUBLISHED OCTOBER 25, 1921.

152,213. MALINES, TULLES, AND NETTINGS IN THE PIECE. HERBERT B. LEDERER Co., Inc., New York, N. Y.

Filed September 1, 1921. Serial No. 152,471. PUBLISHED OCTOBER 18, 1921.

152,214. CERTAIN NAMED CHEMICAL PREPARATIONS. ELEKTRIZITÄTWERK LONZA, Gampel, Switzerland.

Filed March 16, 1921. Serial No. 144,805. PUBLISHED OCTOBER 11, 1921.

152,215. CERTAIN NAMED TOILET PREPARATIONS. THE LOWELL COMPANY, Lowell, Mass., and New York, N. Y.

Filed June 18, 1921. Serial No. 149,333. PUBLISHED NOVEMBER 1, 1921.

152,216. CERTAIN NAMED TOILET PREPARATIONS. THE LOWELL COMPANY, Lowell, Mass., and New York, N. Y.

Filed June 18, 1921. Serial No. 149,334. PUBLISHED NOVEMBER 1, 1921.

152,217. CERTAIN NAMED TOILET PREPARATIONS. THE LOWELL COMPANY, Lowell, Mass., and New York, N. Y.

Filed June 18, 1921. Serial No. 149,335. PUBLISHED NOVEMBER 1, 1921.

152,218. PROPHYLACTICS, PARTICULARLY FOR VENEREAL DISEASES. LOWY LABORATORY, INC., Newark, N. J.

Filed December 9, 1920. Serial No. 140,841. PUBLISHED OCTOBER 4, 1921.

152,219. CERTAIN NAMED CHEMICAL PREPARATIONS. McDougall & YALDING LTD., Yalding, England.

Filed June 21, 1921. Serial No. 149,464. PUBLISHED NOVEMBER 1, 1921.

152,220. CERTAIN NAMED CHEMICAL PREPARATIONS. McDougall & YALDING LTD., Yalding, England.

Filed June 21, 1921. Serial No. 149,466. PUBLISHED NOVEMBER 1, 1921.

152,221. A CERTAIN NAMED MEDICINAL PREPARATION. MACKIE PINE OIL SPECIALTY Co., Inc., Covington, La.

Filed March 19, 1920. Serial No. 129,939. PUBLISHED NOVEMBER 1, 1921.

152,222. HAIR DYE. FRANÇOIS R. MARCEL, Brooklyn, N. Y.

Filed July 25, 1921. Serial No. 150,908. PUBLISHED OCTOBER 25, 1921.

152,223. AN OILY PREPARATION USED IN PRODUCING PERMANENT WAVES IN THE HUMAN HAIR. FRANÇOIS R. MARCEL, Brooklyn, N. Y.

Filed July 25, 1921. Serial No. 150,909. PUBLISHED OCTOBER 25, 1921.

152,224. AN OILY PREPARATION USED IN PRODUCING PERMANENT WAVES IN THE HUMAN HAIR. FRANÇOIS R. MARCEL, Brooklyn, N. Y.

Filed July 25, 1921. Serial No. 150,910. PUBLISHED OCTOBER 25, 1921.

152,225. PASSENGER AUTOMOBILES. MARSH MOTOR CAR COMPANY, Cleveland, Ohio.

Filed June 6, 1921. Serial No. 148,749. PUBLISHED OCTOBER 4, 1921.

152,226. BEDSPREADS. MARSHALL FIELD & COMPANY, Chicago, Ill.

Filed November 27, 1920. Serial No. 140,313. PUBLISHED OCTOBER 11, 1921.

152,227. A BLUING COMPOUND. W. E. MARTIN, Chicago, Ill.

Filed July 27, 1921. Serial No. 151,015. PUBLISHED OCTOBER 25, 1921.

152,228. TEATS FOR FEEDING BOTTLES, BABY SOOTHERS, AND TEETHING RINGS. S. MAW, SON AND SONS, LIMITED, London, England.

Filed August 23, 1921. Serial No. 152,084. PUBLISHED NOVEMBER 8, 1921.

152,229. A CERTAIN NAMED PHARMACEUTICAL PREPARATION. MENLEY & JAMES LIMITED, New York, New York, N. Y.

Filed September 11, 1920. Serial No. 137,086. PUBLISHED OCTOBER 4, 1921.

152,230. HEXAMETHYLENAMINE IN THE FORM OF POWDER AND TABLET. MERCK & Co., New York, N. Y.

Filed November 5, 1920. Serial No. 139,217. PUBLISHED NOVEMBER 8, 1921.

152,231. ANÆSTHETICS AND PREPARATIONS FOR ALLEVIATING IRRITATION AND PAIN. H. A. METZ LABORATORIES, INC., New York, N. Y.

Filed May 31, 1921. Serial No. 148,448. PUBLISHED NOVEMBER 1, 1921.

152,232. ANÆSTHETICS AND PREPARATIONS FOR ALLEVIATING IRRITATION AND PAIN. H. A. METZ LABORATORIES, INC., New York, N. Y.

Filed May 31, 1921. Serial No. 148,449. PUBLISHED NOVEMBER 1, 1921.

152,233. THREAD GUIDES FOR TEXTILE MACHINERY. MITCHELL-BISSELL COMPANY, New York, N. Y.

Filed September 29, 1921. Serial No. 153,513. PUBLISHED NOVEMBER 8, 1921.

152,234. CERTAIN NAMED MEDICINAL PREPARATIONS FOR THE TREATMENT OF HORSES. C. H. MOHR AND COMPANY, Chicago, Ill.
Filed June 14, 1921. Serial No. 149,141. PUBLISHED SEPTEMBER 27, 1921.

152,235. A MEDICINAL PREPARATION TO BE USED AS A REMEDY FOR TUBERCULOSIS. ZANNIE EASOM MOORE, Granger, Tex.
Filed April 23, 1921. Serial No. 146,644. PUBLISHED NOVEMBER 1, 1921.

152,236. COTTON PIECE GOODS. MORTON SUNDORF FABRICS LTD., Dentonhill, Carlisle, England.
Filed May 27, 1921. Serial No. 148,338. PUBLISHED OCTOBER 18, 1921.

152,237. COTTON PIECE GOODS. MORTON SUNDORF FABRICS LTD., Dentonhill, Carlisle, England.
Filed May 27, 1921. Serial No. 148,339. PUBLISHED OCTOBER 4, 1921.

152,238. A PREPARATION FOR THE TREATMENT OF PYORRHEA. JOHN H. MOWERY, Cincinnati, Ohio.
Filed June 27, 1921. Serial No. 149,707. PUBLISHED OCTOBER 11, 1921.

152,239. TOOTH PASTE, COLD CREAM, COMPLEXION POWDER, TALCUM POWDER, SHAMPOO POWDER. NATHAN & CIE. LABORATOIRES CADUM, Courbevoie, France.
Filed June 16, 1921. Serial No. 149,238. PUBLISHED OCTOBER 4, 1921.

152,240. BISCUIT. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y.
Filed June 17, 1921. Serial No. 149,289. PUBLISHED OCTOBER 25, 1921.

152,241. BISCUIT. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y.
Filed June 17, 1921. Serial No. 149,290. PUBLISHED OCTOBER 25, 1921.

152,242. BISCUIT. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y.
Filed June 17, 1921. Serial No. 149,291. PUBLISHED OCTOBER 25, 1921.

152,243. BLUING. MORRIS NEDLIN, Chicago, Ill.
Filed January 20, 1921. Serial No. 142,521. PUBLISHED NOVEMBER 1, 1921.

152,244. A CERTAIN NAMED MEDICINAL PREPARATION. NODOL MEDICINE CO., St. Louis, Mo.
Filed July 28, 1921. Serial No. 151,058. PUBLISHED OCTOBER 25, 1921.

152,245. SHAMPOO. LENA O. NODSLE, Fort Leavenworth, Kans.
Filed June 27, 1921. Serial No. 149,717. PUBLISHED OCTOBER 11, 1921.

152,246. ROLLED OATS, WHEAT FLAKES, AND FARINA. NORTHERN FLOUR MILLS COMPANY, Portland, Oreg.
Filed March 17, 1920. Serial No. 129,859. PUBLISHED OCTOBER 25, 1921.

152,247. A LIQUID PREPARATION TO REDUCE AND DEODORIZE PERSPIRATION. ODRI COMPANY, Los Angeles, Calif.
Filed July 21, 1921. Serial No. 150,764. PUBLISHED OCTOBER 25, 1921.

152,248. KEROSENE, GASOLINE, FUEL OIL, LUBRICATING OIL, AND PARAFFINE WAX. OHIO VALLEY REFINING COMPANY, St. Marys, W. Va.
Filed July 19, 1921. Serial No. 150,630. PUBLISHED NOVEMBER 1, 1921.

152,249. MEDICINE USED IN CASES OF COLDS, GRIPPE, INFLUENZA, HEADACHE, NEURALGIA, RHEUMATISM. ORGAN-IRON COMPANY, Omaha, Nebr.
Filed July 23, 1921. Serial No. 150,877. PUBLISHED OCTOBER 25, 1921.

152,250. LINIMENT FOR EXTERNAL AND INTERNAL USE. JAMES B. PARRISH, Denver, Colo.
Filed February 10, 1921. Serial No. 143,401. PUBLISHED NOVEMBER 1, 1921.

152,251. DENTIFRICES. THE PENSLAR COMPANY, Detroit, Mich.
Filed July 20, 1921. Serial No. 150,703. PUBLISHED OCTOBER 25, 1921.

152,252. A CERTAIN NAMED MEDICINAL PREPARATION. Dr. LUDOVIC PLANTIER, Annonay, Ardèche, France.
Filed July 22, 1921. Serial No. 150,823. PUBLISHED OCTOBER 25, 1921.

152,253. WHEAT FLOUR. THE POAGE-WALL MILLING COMPANY, Catlettsburg, Ky.
Filed June 28, 1921. Serial No. 149,769. PUBLISHED OCTOBER 25, 1921.

152,254. WHEAT FLOUR. THE POAGE-WALL MILLING COMPANY, Catlettsburg, Ky.
Filed June 28, 1921. Serial No. 149,770. PUBLISHED OCTOBER 25, 1921.

152,255. SALVE. POLAR SALVE COMPANY, New York, N. Y.
Filed June 29, 1921. Serial No. 149,815. PUBLISHED NOVEMBER 1, 1921.

152,256. HAIR TONIC. JACOB POTASCHNIK, New York, N. Y.
Filed July 20, 1921. Serial No. 150,704. PUBLISHED OCTOBER 25, 1921.

152,257. SPARK PLUGS, RECEIVING TUNERS, AUDION-CONTROL CABINETS, AND INDUC-TANCE COILS. THE PRECISION EQUIPMENT CO., Cincinnati, Ohio.
Filed December 20, 1918. Serial No. 114,748. PUBLISHED NOVEMBER 1, 1921.

152,258. WHEAT FLOUR. THE RED STAR MILLING COMPANY, Wichita, Kans.
Filed July 5, 1921. Serial No. 150,026. PUBLISHED OCTOBER 25, 1921.

152,259. HAIR NETS. S. A. RIDER COMPANY, Chicago, Ill.
Filed August 29, 1921. Serial No. 152,346. PUBLISHED OCTOBER 25, 1921.

152,260. A GENERAL TONIC. CAMILLO ROCCHIETTA, Pinerolo, Italy.
Filed April 22, 1921. Serial No. 146,594. PUBLISHED NOVEMBER 1, 1921.

152,261. SILK PIECE GOODS. ROGERS & THOMPSON, New York, N. Y.
Filed September 8, 1921. Serial No. 152,717. PUBLISHED OCTOBER 25, 1921.

152,262. CERTAIN ARTICLES OF CLOTHING. JAMES THURMAND ROSE, Huntington, W. Va.
Filed March 15, 1921. Serial No. 144,790. PUBLISHED OCTOBER 4, 1921.

152,263. CHEESE. OTTO ROTH, New York, N. Y.
Filed June 11, 1921. Serial No. 149,027. PUBLISHED OCTOBER 25, 1921.

152,264. TALCUM POWDER. SAMSTAG & HILDER BROS., New York, N. Y.
Filed June 14, 1921. Serial No. 149,151. PUBLISHED SEPTEMBER 27, 1921.

152,265. TOOTH POWDER. TOLLEF SANDS, Tacoma, Wash.
Filed July 20, 1921. Serial No. 150,708. PUBLISHED OCTOBER 25, 1921.

152,266. A CERTAIN NAMED MEDICINE. JULIUS C. SCHMIDT, Eldorado Springs, Mo.
Filed July 18, 1921. Serial No. 150,573. PUBLISHED OCTOBER 18, 1921.

- 152,267. SOLUTION FOR LIGHTENING THE SHADE OF HAIR. JEAN SÉNÉGAS, New York, N. Y.
Filed June 21, 1921. Serial No. 149,487. PUBLISHED OCTOBER 4, 1921.
- 152,268. NAIL POLISH. JEAN SÉNÉGAS, New York, N. Y.
Filed June 21, 1921. Serial No. 149,489. PUBLISHED NOVEMBER 1, 1921.
- 152,269. CERTAIN NAMED TEXTILE FABRICS IN THE PIECE. ABRAHAM SERIL, New York, N. Y.
Filed April 23, 1921. Serial No. 146,667. PUBLISHED OCTOBER 4, 1921.
- 152,270. MOTOR TRUCKS. SERVICE MOTOR TRUCK COMPANY, Wabash, Ind.
Filed February 19, 1921. Serial No. 143,844. PUBLISHED NOVEMBER 15, 1921.
- 152,271. A CERTAIN NAMED CHEMICAL PREPARATION. JAMES E. SIMS, Oradell, N. J.
Filed June 29, 1921. Serial No. 149,828. PUBLISHED NOVEMBER 8, 1921.
- 152,272. A PALLIATIVE FOR THROAT DISEASES AND MALIGNANT GROWTHS IN THROAT. STANISLAW SŁOMA, Depew, N. Y.
Filed June 29, 1921. Serial No. 149,823. PUBLISHED OCTOBER 11, 1921.
- 152,273. PERFUMES, EAU DE COLOGNE, TOILET CREAM, FACE LOTIONS, HAIR LOTIONS, DENTIFRICES, AND ROUGES. SOCIÉTÉ ANONYME DES PARFUMS D'ARYS, Courbevoie, France.
Filed February 15, 1921. Serial No. 143,620. PUBLISHED OCTOBER 4, 1921.
- 152,274. FLUXES FOR SOLDERING AND WELDING. SOCIÉTÉ ANONYME DES USINES GIULINI, Basel, Switzerland.
Filed June 10, 1921. Serial No. 148,956. PUBLISHED NOVEMBER 8, 1921.
- 152,275. MINERAL AND MEDICAL SALT. SPA BATHS CO., INC., Saratoga Springs, N. Y.
Filed June 28, 1921. Serial No. 149,780. PUBLISHED NOVEMBER 1, 1921.
- 152,276. CERTAIN NAMED PIECE GOODS. RUDOLPH SPITZER, New York, N. Y.
Filed May 5, 1920. Serial No. 132,063. PUBLISHED OCTOBER 18, 1921.
- 152,277. MEDICINAL OILS FOR THE TREATMENT OF CONSTIPATION, LAUNDRY WAX, PETROLATUM, DISINFECTANTS, AND DYES. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed August 17, 1920. Serial No. 136,208. PUBLISHED NOVEMBER 8, 1921.
- 152,278. HAIR TONIC. LOUIS A. STEINMETZ, Brooklyn, N. Y.
Filed April 28, 1921. Serial No. 146,938. PUBLISHED OCTOBER 4, 1921.
- 152,279. A CERTAIN NAMED MEDICINAL PREPARATION. J. MARCUS STEWART, Charlotte, N. C.
Filed June 29, 1921. Serial No. 149,824. PUBLISHED NOVEMBER 1, 1921.
- 152,280. RAT, MOUSE, MOLE, AND GOPHER POISON. WILLIAM R. SWEENEY, Salisbury, Mo.
Filed June 23, 1921. Serial No. 149,562. PUBLISHED NOVEMBER 8, 1921.
- 152,281. DEODORANTS. SWEET-ODOR-HOME COMPANY, San Francisco, Calif.
Filed March 23, 1921. Serial No. 145,135. PUBLISHED NOVEMBER 1, 1921.
- 152,282. A CERTAIN NAMED TOILET AND MEDICINAL PREPARATION. MAURICE J. TEHAN, Springfield, Ohio.
Filed July 18, 1921. Serial No. 150,575. PUBLISHED OCTOBER 18, 1921.
- 152,283. EXPLOSIVE SUBSTANCES, PROJECTILES, AMMUNITION. TETRALIN GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Berlin, Germany.
Filed January 10, 1921. Serial No. 142,045. PUBLISHED OCTOBER 11, 1921.
- 152,284. OATS, (FOR FOOD.) JOHN THOMPSON & SONS, LTD., Belfast, Ireland.
Filed April 30, 1921. Serial No. 147,053. PUBLISHED OCTOBER 25, 1921.
- 152,285. A MEDICINAL COMPOUND FOR RHEUMATIC AILMENTS. BERNHARD UHLMANN, Passaic, N. J.
Filed July 23, 1921. Serial No. 150,883. PUBLISHED OCTOBER 25, 1921.
- 152,286. WOOL OIL, AN OIL USED TO LUBRICATE AND SOFTEN WOOL PREPARATORY TO SPINNING. U. S. OIL & SUPPLY CO., Providence, R. I.
Filed December 28, 1920. Serial No. 141,611. PUBLISHED NOVEMBER 8, 1921.
- 152,287. WHEAT FLOUR. WALLACE & TIERNAN CO., INC., Newark, N. J.
Filed May 16, 1921. Serial No. 147,802. PUBLISHED OCTOBER 25, 1921.
- 152,288. PERFUMES, SACHETS, TOILET WATERS, FACE POWDERS, AND TALCUM POWDERS. JOHN WANAMAKER, NEW YORK, New York, N. Y.
Filed June 25, 1921. Serial No. 149,663. PUBLISHED OCTOBER 11, 1921.
- 152,289. PERFUMES, SACHETS, TOILET WATERS, FACE POWDERS, AND TALCUM POWDERS. JOHN WANAMAKER, NEW YORK, New York, N. Y.
Filed June 25, 1921. Serial No. 149,665. PUBLISHED OCTOBER 11, 1921.
- 152,290. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed October 10, 1919. Serial No. 123,672. PUBLISHED MARCH 2, 1920.
- 152,291. CAKE. WARD BAKING COMPANY, New York, N. Y.
Filed June 4, 1921. Serial No. 148,681. PUBLISHED OCTOBER 25, 1921.
- 152,292. WRITING PAPER, BUT KNOWN PARTICULARLY TO THE TRADE AS LINEN WRITING PAPER. MARCUS WARD, INC., New York, N. Y.
Filed June 29, 1920. Serial No. 134,399. PUBLISHED AUGUST 30, 1921.
- 152,293. HAIR TONICS. WAUCHULA CHEMICAL COMPANY, Wauchula, Fla.
Filed June 24, 1921. Serial No. 149,615. PUBLISHED NOVEMBER 1, 1921.
- 152,294. WHEAT FLOUR. THE WEBER FLOUR MILLS CORPORATION, Salina, Kans.
Filed April 27, 1921. Serial No. 146,857. PUBLISHED OCTOBER 25, 1921.
- 152,295. HAIR NETS. WESTERN BOTTLE MANUFACTURING COMPANY, Chicago, Ill.
Filed September 12, 1921. Serial No. 152,874. PUBLISHED OCTOBER 25, 1921.
- 152,296. DYES. THE WHITE TAR COMPANY, New York, N. Y.
Filed June 14, 1921. Serial No. 149,159. PUBLISHED SEPTEMBER 27, 1921.
- 152,297. HAIR GROWER. CLARA WIGGINS, Tampa, Fla.
Filed May 31, 1921. Serial No. 148,471. PUBLISHED NOVEMBER 1, 1921.
- 152,298. A GENERAL TONIC AND BLOOD PREPARATION. ARTHUR C. WILSON, Brevard, N. C.
Filed July 22, 1921. Serial No. 150,837. PUBLISHED NOVEMBER 8, 1921.

152,299. CERTAIN NAMED PIECE GOODS AND VEILINGS. WINSHIP, BOIT & Co., Wakefield, Mass., and New York, N. Y.

Filed April 20, 1921. Serial No. 146,472. PUBLISHED OCTOBER 18, 1921.

152,300. CERTAIN NAMED PIECE GOODS AND VEILINGS. WINSHIP, BOIT & Co., Wakefield, Mass., and New York, N. Y.

Filed April 20, 1921. Serial No. 146,474. PUBLISHED OCTOBER 18, 1921.

152,301. CERTAIN NAMED MEDICINAL PREPARATIONS. EMIL WOLFRAM, Columbus, Ohio.

Filed June 9, 1921. Serial No. 148,906. PUBLISHED NOVEMBER 1, 1921.

152,302. A MIXTURE FOR THE DESTRUCTION OF RODENTS, SUCH AS GOPHERS, SQUIRRELS, RATS, &c. CHARLES G. WOODS, Jr., Burbank, Calif.

Filed July 28, 1921. Serial No. 151,072. PUBLISHED NOVEMBER 1, 1921.

152,303. AN INSECT EXTERMINATOR, DISINFECTANT, AND DEODORIZER. THE YELLOW-FLUID CHEMICAL Co., Charleston, S. C.

Filed June 28, 1921. Serial No. 149,790. PUBLISHED NOVEMBER 1, 1921.

152,304. A CERTAIN NAMED MEDICINAL PREPARATION. YOUTH-GLAND CHEMICAL LABORATORIES, LTD., Chicago, Ill.

Filed May 20, 1921. Serial No. 148,008. PUBLISHED NOVEMBER 8, 1921.

152,305. A MEDICATED SKIN CREAM. THE ZEM CHEMICAL COMPANY, Baltimore, Md.

Filed February 10, 1920. Serial No. 128,261. PUBLISHED OCTOBER 12, 1920.

152,306. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & Co. INC., New York, N. Y.

Filed September 15, 1921. Serial No. 152,948. PUBLISHED OCTOBER 25, 1921.

152,307. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & Co. INC., New York, N. Y.

Filed September 16, 1921. Serial No. 152,979. PUBLISHED OCTOBER 25, 1921.

152,308. TOILET (FACE) POWDER. MARIE DJANG-LURE CO., Seattle, Wash.

Filed July 23, 1921. Serial No. 150,873. PUBLISHED NOVEMBER 1, 1921.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

FEBRUARY 21, 1922.

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

152,309. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) THE ADOLPH COORS B. & M. COMPANY, Golden, Colo. Filed Jan. 3, 1921. Serial No. 141,741.

Coors

Particular description of goods.—Malt Cereal Beverages.
Claims use since about March, 1915.

152,310. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA FIG-NUT COMPANY, Orange, Calif. Filed Nov. 6, 1920. Serial No. 139,252.

Fig-Nuts Agar

Particular description of goods.—Dietetic Health Food.
Claims use since May 23, 1914.

152,311. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COMPOUND INJECTOR & SPECIALTY CO., Chicago, Ill. Filed Oct. 1, 1921. Serial No. 153,589.

PEERLESS

Particular description of goods.—Chemical Preparation Used for Softening Water.
Claims use since 1900.

152,312. (CLASS 37. PAPER AND STATIONERY.) CORLIES, MACY & CO., INC., New York, N. Y. Filed Jan. 10, 1921. Serial No. 142,008.

CORMACK

Particular description of goods.—Writing Papers.
Claims use since Sept. 20, 1920.

152,313. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GARNER PRINT WORKS AND BLEACHERY, New York, N. Y. Filed July 29, 1921. Serial No. 151,084.

Brittany

Particular description of goods.—Cotton Piece Goods.
Claims use since July 24, 1919.

152,314. (CLASS 32. FURNITURE AND UPHOLSTERY.) INTERNATIONAL BEDDING CO., INC., Baltimore, Md. Filed June 25, 1920. Serial No. 134,201.

PARIS

Particular description of goods.—Mattresses, Pillows, and Box Springs.
Claims use since Jan. 1, 1918.

152,315. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JENKINSON-BODE COMPANY, Jacksonville, Ill. Filed July 19, 1920. Serial No. 135,149.

ELM CITY

Particular description of goods.—Canned Fish, Canned Fruits, Canned Vegetables, Canned Soups; Fruit Jams, Jellies, and Fruit Preserves; Peanut Butter, Sugar Butter, Coffee, Cocoa, Tea, Chocolate for Beverage Purposes, Salad Dressing, Chili Sauce, Catsup, Sweet Pickle, Relish, Crackers, Cakes, Dried and Evaporated Fruits, Flavoring Extracts for Foods, Wheat Flour, Pancake Flour, Breakfast Cereals, Buckwheat Flour, Tapioca, Dessert Powders, Alimentary Paste Products, Mincedmeat, Olive Oil, Olives, Sweet and Sour Pickles, Chowchow, Pie Filler, Rice, Table Sirup, Spices, Cornstarch, and Vinegar.
Claims use since 1912.

152,316. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LISTERATED GUM CORPORATION, New York, N. Y. Filed Nov. 17, 1921. Serial No. 155,509.

Listerated

Particular description of goods.—Chewing Gum.
Claims use since Sept. 9, 1907.

152,317. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Nov. 27, 1920. Serial No. 140,260.



Particular description of goods.—Piece Goods—Namely, Nainsook.

Claims use since April, 1918.

152,318. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Nov. 27, 1920. Serial No. 140,286.



Particular description of goods.—Sheets and Pillowcases.

Claims use since Oct. 1, 1910.

152,319. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE NAGEL - CHASE MFG. Co., Chicago, Ill. Filed June 3, 1921. Serial No. 148,610.

QUICKLIT

Particular description of goods.—Gasoline Lamps.
Claims use since June 29, 1911.

152,320. (CLASS 37. PAPER AND STATIONERY.) B. D. RISING PAPER COMPANY, Housatonic, Mass. Filed Sept. 29, 1921. Serial No. 153,521.

Winter White

Particular description of goods.—Wedding Bristol Board, Wedding Paper, and Cardboard and Writing Paper Generally.

Claims use since Jan. 1, 1908.

152,321. (CLASS 17. TOBACCO PRODUCTS.) J. W. ROBERTS & SON INC., Tampa, Fla. Filed Nov. 26, 1921. Serial No. 155,976.



Particular description of goods.—Cigars, Cigarettes, Cheroots, Chewing and Smoking Tobacco.

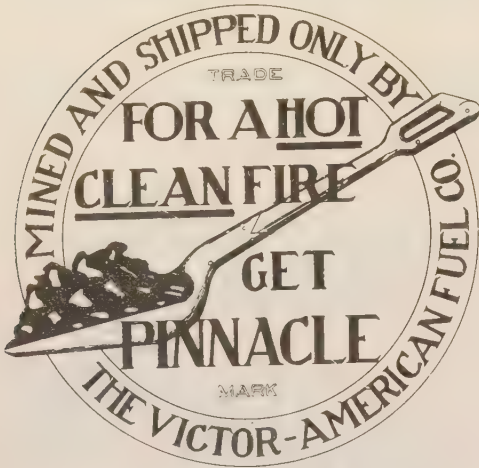
Claims use since May 5, 1908.

152,322. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE VICTOR-AMERICAN FUEL COMPANY, Portland, Me., and Denver, Colo. Filed Oct. 8, 1921. Serial No. 153,899.



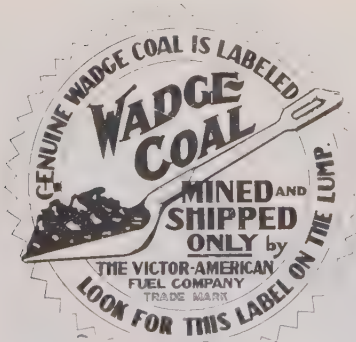
Particular description of goods.—Coal.
Claims use since Apr. 22, 1916.

152,323. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE VICTOR-AMERICAN FUEL COMPANY, Portland, Me., and Denver, Colo. Filed Oct. 8, 1921. Serial No. 153,900.



Particular description of goods.—Coal.
Claims use since Apr. 22, 1916.

152,324. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE VICTOR-AMERICAN FUEL COMPANY, Portland, Me., and Denver, Colo. Filed Oct. 8, 1921. Serial No. 153,901.



Particular description of goods.—Coal.
Claims use since Apr. 22, 1916.

152,325. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE VICTOR-AMERICAN FUEL COMPANY, Portland, Me., and Denver, Colo. Filed Oct. 8, 1921. Serial No. 153,902.



Particular description of goods.—Coal.
Claims use since Apr. 22, 1916.

152,326. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE VICTOR-AMERICAN FUEL COMPANY, Portland, Me., and Denver, Colo. Filed Oct. 8, 1921. Serial No. 153,903.



Particular description of goods.—Coal.
Claims use since Apr. 22, 1916.

152,327. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE VICTOR-AMERICAN FUEL COMPANY, Portland, Me., and Denver, Colo. Filed Oct. 8, 1921. Serial No. 153,904.



Particular description of goods.—Coal.
Claims use since Apr. 22, 1916.

152,328. (CLASS 32. FURNITURE AND UPHOLSTERY.) UNITED ALLOY STEEL CORPORATION, Canton, Ohio. Filed Nov. 1, 1921. Serial No. 154,506.

BERGER

Particular description of goods.—Steel Office Equipment and Furniture—Namely, Filing Cases, Bookcases, Cupboards, Wardrobes, Drawers, Lockers, and Shelving.
Claims use since 1900.

152,329. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) UPRESSIT PRODUCTS CORPORATION, New York, N. Y. Filed Nov. 7, 1921. Serial No. 155,131.



Particular description of goods.—Disinfectant Holder Attachment for Telephone Mouthpieces.
Claims use since May 26, 1920.

152,330. (CLASS 37. PAPER AND STATIONERY.) WEST VIRGINIA PULP & PAPER CO., New York, N. Y. Filed June 28, 1921. Serial No. 149,789.

Sterling

Particular description of goods.—Coated Book and Magazine Paper.
Claims use since 1906.

INTERNATIONAL TRADE-MARK REGISTRATIONS

FEBRUARY 21, 1922.

The following International Registrations have been received from the Bureau at Habana and have been placed upon the Register in accordance with the provisions of section 1 (a) of the act of March 19, 1920.

152,331. International Registration No. 581 of December 20, 1921. Registered in Cuba on June 29, 1908, No. 24,732. Proprietor: LUIS A. BARROSO, as assignee of Francisco Barroso. Address: Padre Varela No. 123, Habana, Cuba.



Merchandise to which the mark is affixed.—Chemical Products of His Manufacture.

152,332. International Registration No. 582 of December 20, 1921. Registered in Cuba on June 16, 1908, No. 24,647. Proprietor: LUIS A. BARROSO, as assignee of Francisco Barroso. Address: Padre Varela No. 123, Habana, Cuba.



Merchandise to which the mark is affixed.—A Pharmaceutical Product.

152,333. International Registration No. 592 of December 30, 1921. Registered in Haiti on April 20, 1920, No. 111. Proprietor: THE BAYER COMPANY, INC. Address: 117 Hudson Street, New York, N. Y.

ASPIRIN

Merchandise to which the mark is affixed.—Pharmaceutical Products.

TRADE-MARK REGISTRATIONS RENEWED.

- 19,997. WHISKIES AND ALCOHOLIC LIQUORS. Registered August 11, 1891. HENRY LARGE, Jr., and FREDERICK C. RENZIEHAUSEN, West Elizabeth, Pa. Renewed August 11, 1921.
- 20,095. PERFUMES AND PERFUMED SOAPS AND TOILET PREPARATIONS. Registered September 1, 1891. COLGATE & COMPANY, New York, N. Y.; Colgate & Company, a Corporation of New Jersey, assignee. Renewed September 1, 1921.
- 20,152. AN OPEN OR NET WORK FABRIC FOR WEARING APPAREL. Registered September 22, 1891. LEWIS HASLAM, London, England; The Cellular Clothing Company, Limited, London, England, assignee. Renewed September 22, 1921.
- 20,276. CANNED GOODS. Registered October 27, 1891. MACONOCHE BROS., Lowestoft, England. Renewed October 27, 1921.
- 20,277. CANNED GOODS. Registered October 27, 1891. MACONOCHE BROS., Lowestoft, England. Renewed October 27, 1921.
- 20,617. REMEDY FOR PHTHISIC. Registered January 19, 1892. FARBERWERKE, VORMALS MEISTER, LUCIUS & BRÜNING, Höchst-on-the-Main, Germany; The Chemical Foundation, Inc., a Corporation of Delaware, assignee. Renewed January 19, 1922.
- 20,618. REMEDY FOR PHTHISIC. Registered January 19, 1892. FARBERWERKE, VORMALS MEISTER, LUCIUS & BRÜNING, Höchst-on-the-Main, Germany; The Chemical Foundation, Inc., a Corporation of Delaware, assignee. Renewed January 19, 1922.
- 20,716. BARBED WIRE. Registered February 16, 1892. WASHBURN & MOEN MANUFACTURING COMPANY, Worcester, Mass.; The American Steel & Wire Company of New Jersey, a Corporation of New Jersey, assignee. Renewed February 16, 1922.
- 20,799. ANTICORROSIVE OILS, PAINTS, VARNISHES, AND LACQUERS. Registered March 1, 1892. EDMUND MÜLLER & MANN, Charlottenburg, near Berlin, Germany; The Chemical Foundation Inc., a Corporation of Delaware, assignee. Renewed March 1, 1922.
- 20,814. REMEDY FOR HEAVES, COUGH, OR DISTEMPER. Registered March 8, 1892. THE NEWTON HORSE REMEDY CO., Toledo, Ohio. Renewed Mar. 8, 1922.
- 20,848. RUBBER BELTING, HOSE, AND PACKING. Registered March 15, 1892. REVERE RUBBER COMPANY, Boston, Mass.; Revere Rubber Company, a Corporation of Rhode Island, assignee. Renewed March 15, 1922.
- 20,957. CONFECTIONS AND CANDIES. Registered April 12, 1892. PAN CONFECTION COMPANY, Chicago, Ill.; National Candy Company, a Corporation of New Jersey, assignee. Renewed April 12, 1922.
- 21,006. CORSETS. Registered April 19, 1892. EMIL SCHWEINBURG, New York, N. Y.; B. Altman & Co., assignee. Renewed April 19, 1922.
- 21,086. BUTTONS AND BEADS. Registered May 10, 1892. F. BAPTEROSSES & CIE, Paris, France. Renewed May 10, 1922.
- 21,103. LINE OF PROPRIETARY MEDICINES. Registered May 10, 1892. KOENIG MEDICINE COMPANY, Chicago, Ill. Renewed May 10, 1922.

LABELS

REGISTERED FEBRUARY 21, 1922.

- | | |
|---|--|
| <p>24,116.—<i>Title:</i> "AUTO DRIVERS FRIEND." (For Cement.) HARRY A. COOK, Yakima, Wash. Filed August 3, 1921.</p> <p>24,117.—<i>Title:</i> "DOVER HILL HONEY." (For Bottles and Cans Containing Honey.) WALTER B. CRANE, Dover Plains, N. Y. Filed July 15, 1921.</p> <p>24,118.—<i>Title:</i> "MILK-MAID BREAD." (For Bread.) FRED GLICKSMAN, Milwaukee, Wis. Filed March 28, 1921.</p> <p>24,119.—<i>Title:</i> "MAGICO." (For Packages or Cartons Containing an Insect Exterminator.) KAY & ESS CHEMICAL COMPANY, INC., New York, N. Y. Filed January 22, 1921.</p> <p>24,120.—<i>Title:</i> "SWEET MILK CHOCOLATE." (For Sweet Milk Chocolate.) KNICKERBOCKER CHOCOLATE COMPANY, West Hoboken, N. J., and New York, N. Y. Filed July 25, 1921.</p> <p>24,121.—<i>Title:</i> "PHYTAMIN." (For a Food Product.) THE PHYTAMIN CORPORATION, Wilmington, Del., and New York, N. Y. Filed January 7, 1922.</p> <p>24,122.—<i>Title:</i> "HA-LO ANTISEPTIC CYLINDERS, ANTISEPTIC HEALING DEODORANT, PROPHYLACTIC." (For Medicinal Preparations for Colds, Grippe, Headaches, and Neuralgia.) LOUIS C. ROHLFING, St. Louis, Mo. Filed December 19, 1921.</p> | <p>24,123.—<i>Title:</i> "STERLING BRAND." (For Malt Syrups.) STERLING MALT & HOP CO., Irvington, N. J. Filed September 1, 1921.</p> <p>24,124.—<i>Title:</i> "COTTON FIBRE." (For Toilet Paper.) PAUL E. TROUCHE, Charleston, S. C. Filed August 4, 1921.</p> <p>24,125.—<i>Title:</i> "MRS. WAGNER'S FAMOUS HOME MADE PIES." (For Pies.) THE WAGNER PASTRY CO., Newark, N. J. Filed December 9, 1921.</p> <p>24,126.—<i>Title:</i> "PLAY TEDDY'S MULTIPLICATION GAME IT MULTIPLIES YOUR ABILITIES." (For Playing Cards.) THE TEDDY MULTIPLICATION GAME COMPANY, Cleveland, Ohio. Filed January 12, 1922.</p> <p>24,127.—<i>Title:</i> "FRESH FINE CAKES." (For Cakes.) MATTI TUURI, Fairport Harbor, Ohio. Filed April 6, 1921.</p> <p>24,128.—<i>Title:</i> "WILBERT'S HOUSEWORK AMMONIA." (For Bottles and other Receptacles Containing Ammonia.) THE WILBERT PRODUCTS CO., New York, N. Y. Filed November 23, 1920.</p> |
|---|--|

PRINTS

REGISTERED FEBRUARY 21, 1922.

- | | |
|--|---|
| <p>5,981.—<i>Title:</i> "AMERICAN BRAND CORSET LACES." (For Advertising Purposes for Corset Laces.) AMERICAN NARROW FABRIC CO., Providence, R. I. Filed October 19, 1920.</p> <p>5,982.—<i>Title:</i> "THE NEGLECTED INCH." (For Advertising Purposes for Casters.) THE BASSICK COMPANY, Bridgeport, Conn. Filed June 27, 1921.</p> <p>5,983.—<i>Title:</i> "HEAT BY THE ROOMFUL!" (For Advertising Purposes for Perfection Oil Heaters.) THE CLEVELAND METAL PRODUCTS COMPANY, Cleveland, Ohio. Filed August 12, 1921.</p> <p>5,984.—<i>Title:</i> "DRINK COCA-COLA THE YEAR-ROUND DRINK." (For Advertising Purposes for Coca-Cola.) THE COCA COLA COMPANY, Atlanta, Ga. Filed December 30, 1921.</p> <p>5,985.—<i>Title:</i> "THE ELGIN ECONOMY WATCH." (For Advertising Purposes for Watches.) ELGIN NATIONAL WATCH COMPANY, Chicago, Ill. Filed January 9, 1922.</p> <p>5,986.—<i>Title:</i> "EASY TO PLAY." (For Advertising Purposes for Player-Pianos.) GULBRANSON, DICKINSON COMPANY, Chicago, Ill. Filed July 25, 1919.</p> | <p>5,987.—<i>Title:</i> "THIS BEAUTY EVERY GIRL CAN HAVE." (For Advertising Purposes for Palmolive Soap.) THE PALMOLIVE COMPANY, Milwaukee, Wis. Filed December 15, 1921.</p> <p>5,988.—<i>Title:</i> "PARKER FOUNTAIN PEN." (For Advertising Purposes for Fountain Pens.) PARKER PEN COMPANY, Janesville, Wis. Filed December 15, 1921.</p> <p>5,989.—<i>Title:</i> "SPORT TROUSERS." (For Advertising Purposes for White Duck Clothing.) THE JAMES E. RICHARDS COMPANY, Dayton, Ohio. Filed January 9, 1922.</p> <p>5,990.—<i>Title:</i> "3000 HOURS OF SOLID COMFORT." (For Advertising Purposes for Garters.) A. STEIN & COMPANY, Chicago, Ill. Filed January 5, 1922.</p> <p>5,991.—<i>Title:</i> "FROM DADDY TO LADDIE." (For Advertising Purposes for Lamb and Leather Lined Coats.) T. W. STEVENSON CO., Minneapolis, Minn. Filed January 13, 1922.</p> |
|--|---|

REPORT
OF THE
COMMISSIONER OF PATENTS
TO CONGRESS

FOR THE YEAR ENDED DECEMBER 31, 1921.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., January 31, 1922.

To the Senate and House of Representatives:

In compliance with section 494 of the Revised Statutes I have the honor to submit the following report of the business of the Patent Office for the year ended December 31, 1921:

In my report to the Secretary of the Interior for the fiscal year ending June 30, 1921, I called attention to the "deplorable" conditions in the Patent Office, and said that *relief was imperative!!* In confirmation I quoted from Commissioner Newton, who in July, 1919, reported:

I have been connected with the Patent Office since 1891 and I am sure that the Office was never in so poor a condition as it is now.

One year and a half later, on December 31, 1920, Commissioner Whitehead reported:

There are on the Examiners' desks over 40,000 applications for patent awaiting examination and response on the part of the Office.

This represents a volume of work equal to the entire annual receipts of new applications in the year 1900. The average new case is reached for its first action about seven months after it is filed. It is apparent that this is not a healthy condition. The force is too limited, the overturn too great, to cope with the tremendous increase in volume of work that has occurred the last two years. Some alleviating measures must be passed to remedy the glaring insufficiencies of the present condition, failing which a further recession in work must occur, and the unsatisfactory service now rendered must become even more highly aggravated.

Since Commissioner Newton made the foregoing statement in July, 1919, conditions have been steadily growing worse. At that time the Patent Office was 18,000 applications in arrears; 18 months afterwards, Commissioner Whitehead reported 40,000 cases in arrears; and now I am compelled to report 61,000 patent applications besides 6,000 trademark and design applications awaiting official action.

During that time the Patent Office has suffered 184 resignations from its corps of 437 trained technical Examiners. These Examiners were not only scientifically trained, but they were members of the bar—both scientists and lawyers—and their places have been filled by young and inexperienced men fresh from college, with neither patent nor legal experience.

To make matters more intolerable, since 1918 the work has jumped out of all proportions. Thus,

the increase of the calendar year 1921 over 1918 in applications for patents amounted to more than 30,000, or 53%; in applications for design patents, 3,364, or 150%; and in applications for trademarks, 9,388, or 137%. Although the business presented to the Office in the calendar year 1919 was by far the heaviest in its history up to that date, it was exceeded by 1920, and still further by 1921, the calendar year just closed. The business of the Patent Office has entered upon a new era. No such acceleration of receipts of applications and demands upon the Office organization has ever been recorded before in anything like equal volume.

The average number of employees was increased by about 4½% from 1918 to 1921, making the force relatively stationary. The overwhelming increase of receipts in the face of this limitation, and the inability to retain sufficient experienced technical men at the inadequate salaries paid, resulted in a condition alarming to the industrial world.

It would be simply impossible to handle this volume of work with the present force, even if it were effectively trained; but since during *only part* of that time it has suffered the loss of 184 of its best trained men the situation is hopeless.

The work is still increasing, the resignations still continue, and the cases in arrears are still piling up.

Relief is imperative!!

RELIEF CAN BE GIVEN WITHOUT COSTING THE TAXPAYERS ONE CENT.

The cash receipts of 1921 over 1918 have increased \$800,000, or from \$1,977,500 to \$2,776,000, so that there remains a handsome yearly surplus. Moreover, H. R. 7077 (already passed by the House and now pending in the Senate) provides relief by increasing salaries to stop the constant loss of trained Examiners. These salary increases are within the ranges of the Lehlbach classification bill as passed by the House. The patent relief bill is an emergency measure to provide for the Patent Office until the classification bill takes effect. It adds 49 additional employees and also adds \$5.00 to the fees paid by the patentees, thereby bringing in an *additional* income, based on the receipts for the past year, of \$445,000, so that the yearly surplus after paying the increased salaries would amount to almost \$300,000.

DELAYS HAMPER INDUSTRY.

The delays in granting patents are seriously hampering the industries of the whole country and thereby preventing the employment of labor. This may be seen from the following:

On December 3, 1921, the New York Tribune said:

America is America largely because of its inventions. Many important business and industrial enterprises depend directly upon patents; until these are granted they can not begin operations. The result of being compelled to wait from six to eight months or longer for an official decision concerning an application is always injurious and is often disastrous.

The New York Times in its editorial of December 17, 1921, said:

Inventions are the main builders of American manufactures. Nine-tenths of our industries have sprung from patents. They are the great makers of employment, the creators of new channels for labor. They have doubly helped the farmer by providing him with improved implements and machinery and by enlarging vastly the markets for his products.

Hundreds of papers throughout the country, even in such far western States as Washington, Oregon, California, and Arizona, have printed similar editorials, an example of which is found in the Sacramento Union, which says:

The Patent Office is the rock on which American industry rests. Starve it, delay its procedure, make United States patents a joke by allowing them to be issued by unskilled, inefficient, and underpaid Examiners and our national loss will be billions where the Patent Office costs thousands. Incidentally, the Patent Office does not cost; it pays.

Can all this be true? Let us test it!!

Would large capital invest in new business, putting a product through the costly experimental stage and getting machinery and tools all ready, unless an exclusive right to the invention were assured for a limited time to prevent others from pirating the new article after it has proved a financial success?

The president of the Mergenthaler Linotype Company writes that that company spent 11 years of effort and millions of dollars upon the linotype invention before it made a single dollar of profit. Would it have done this if a rival company could copy the machine as soon as it was successfully operated?

But to show how closely the industrial system is even now interlaced with the patent system, permit me to refer to a few of the many concrete cases which have come under my observation during the past few months of industrial depression—a period when there have been several millions of our people out of employment.

In August, 1921, the president of a large manufacturing concern in New England brought to my attention an application for an invention which it was ready to manufacture, but it would require the investment of several hundred thousand dollars to start operations. An application was pending in the Patent Office which would not be reached for first action for ten months. An affidavit was filed showing (1st) that capital was in hand to begin work, (2d) that it would not dare to make so heavy an investment unless protected by patent,

(3d) that manufacture would begin as soon as patent protection was afforded, and, (4th) that it would give employment to between 700 and 800 employees then idle. As a matter of public policy this case was made "special," and it was "allowed" in about 30 days. In about six weeks after that case was allowed, the president of that corporation, merely in order to show his good faith, sent me a tabulated statement showing that as a result of that speedy action, he had already entered into obligations requiring \$767,000, and that his idle employees would be able to support their families this winter.

Another illustration is that referred to by Representative Kelly of Pennsylvania, on page 1261 of the Congressional Record of January 11, 1922, from which is quoted:

I had a conference last Friday with the Commissioner of Patents on a very interesting matter. One of the large manufacturers in Pittsburgh, a man who has been in business for years, who himself is an inventor of several nationally-used devices of various kinds, came to my office. He showed me that he had perfected a process by which he can use a waste product, which has never been used before, producing many valuable products worth millions of dollars; ample capital was ready for investment as soon as patent protection was afforded to the inventors.

I took this manufacturer to the Commissioner of Patents and explained the situation to him. I showed him how the money was available and how thousands of men could be put to work. The Commissioner told us that in the ordinary procedure it would take 10 months before this application could be reached and a patent granted. The Commissioner saw the value of the process, and upon the filing of an affidavit showing the employment of labor now idle, he made it special, and in two weeks we will get a decision upon it.

Another case was out in California, where by affidavit it was shown that over \$100,000 had already been expended, and that the inventor was refused further capital until the application was allowed, but that as soon as patent protection was assured, unlimited capital was at his disposal to immediately start manufacturing, which would give employment to many men.

Chairman Lampert of the House Committee on Patents had a similar case where after an affidavit was filed the case was made special. Mr. Lampert gave assurance that this would give employment to at least 500 of his constituents.

In still another case a sworn showing was filed, including photographs of the different stages of manufacture through which the invention was being put in one factory, in a small way, and the statement made under oath that capital was all ready, upon favorable Patent Office action, to start manufacture of the product in five different factories.

These are a few cases typical of many already made special in an effort to make the patent system effective in alleviating the present nonemployment troubles. Among the 61,000 patent applications awaiting action on December 31, 1921, there are doubtless many which would give employment and aid industry, but in which the affidavits have not been furnished and which must therefore wait 10 or 12 months for their regular turn. These 61,000 applications are thus swamping this Bureau, and holding up new industries.

As Representative Kelly said, (p. 1262, Congressional Record, January 11, 1922:)

The business men who are paying the taxes * * * are unanimously for the passage of this bill; the workmen of the country are for it, and it can be put into operation without an additional cent of burden on the Treasury of the United States. I am hopeful that this Congress will see a vision of the possibilities of the Patent Bureau, different from any other bureau of the Government, with its power to set men to work and to put capital to work, and will perform a real public service by encouraging the industries of the country which are bound up in the patent system.

If the patent system is to be saved, relief *and quick relief* must be given.

"COPY" SITUATION.

Another feature of the Patent Office work needing reorganization, and not cared for by the pending patent relief bill (H. R. 7077) is the "copy" situation.

The Patent Office sells *monthly* about 200,000 printed copies of patents at ten cents per copy, providing revenue of \$20,000 per month or about \$225,000 per year, all of which is turned into the U. S. Treasury, and is not available for Patent Office use.

These copies, in the first instance, are paid for by the inventors. In other words, the inventor is charged \$20 for printing his patent and when his one copy is printed, it costs little more for the Government to print 100 copies at the same time. Thus, out of 100 copies paid for by the inventor's fee, one copy is given to him and the other 99 can be used for office purposes or sold for ten cents each.

Inasmuch as there are about 40,000 patents granted per year, it follows that the Patent Office receives 4,000,000 copies each year.

There are now on hand "in stock" in the Patent Office about 40 millions of these copies, having a sale value of four millions of dollars!!

These copies are kept on wooden shelves in every nook and corner of the building (even in the halls and corridors.)

To make matters worse, hundreds of thousands of the copies are in the top galleries on the upper floor, where, on the wooden shelves, they would be quickly destroyed by fire, as was actually the case with the records stored in these galleries in the disastrous conflagration of 1877.

In addition to the above records there are over 1,400,000 files of patents already granted, of priceless value, since they can not be duplicated.

And these are also on wooden shelves.

Certified copies of these original files showing the history of the patent in its course through the process of being patented are used in every patent suit.

These copies and these files should be placed on steel shelves in a fireproof building. Such a building could be erected in the magnificent courtyard of the Patent Office by building an underground structure of iron, concrete, and glass, which could be designed in a manner not to shut out the light and ventilation of the present building.

The attention of the Congress is earnestly called to this need, since the industries of the country would suffer beyond computation should these copies and files be destroyed by fire.

EQUIPMENT.

The overcrowded conditions under which the employees work and the lack of even antiquated filing and office equipment lead me to remind the Congress that the Patent Office, in order to operate efficiently, should have greatly increased office space and should have modern equipment in sufficient quantity to insure that a dollar's worth can be obtained for a dollar spent in salaries. The business of the Office and its records have increased in volume far beyond the capacity of the facilities of this Bureau.

REORGANIZATION.

The administration of this Office has been considerably reorganized in order to make more effective its limited personnel. The copies of patents have recently been entirely rearranged, carrying out with great care a well-considered plan which has enormously facilitated the filling of about 100,000 orders weekly for these copies. 427,000 of the patented files have also been rearranged for more efficient handling. The Trade-Mark and Design Division has been divided, with beneficial results to both branches of the service. Other changes include a drastic revision of the method of acknowledging the receipts and keeping the records of applications filed, which has resulted in increased accuracy and efficiency, and has permitted the transfer of several clerks to other overworked divisions. Various other improvements have been instituted which have made it possible for the present force to prevent a breakdown of the Office, but in spite of the increased efficiency the relatively fixed personnel has not been able to cope with the unprecedented volume of work.

Appended hereto and forming a part of this report is a series of tabular and other statistical information, together with a detailed record of administrative features, to which it is desired to call attention.

Respectfully submitted.

THOMAS E. ROBERTSON.

Commissioner of Patents.

STATISTICS OF THE BUSINESS OF THE PATENT OFFICE FOR THE CALENDAR YEAR 1921.

RECEIPTS

Detailed statement of all moneys received for patents, for copies of records or drawings, or from any source whatever.

	Receipts.	Refund-ments.	Net.
Applications:			
Inventions	\$1,309,138.99	\$2,572.00	\$1,306,566.99
Reissues	9,735.00	45.00	9,690.00
Final fees	761,218.56	4,902.00	756,316.56
Designs	80,067.00	120.00	79,947.00
Design extensions	5,310.00		5,310.00
Trade-marks	162,243.00	571.00	161,672.00
Labels and prints	13,216.00	888.00	12,328.00
	2,340,928.55	9,098.00	2,331,830.55
Copies:			
Copies	257,531.20	8,829.05	248,702.15
Coupons	106,386.00	14.50	106,371.50
Drawings	7,122.18	566.95	6,555.23
Unapplied	105.50	4.35	101.15
	371,144.88	9,414.85	361,730.03
Recording assignments	37,579.43	2,607.68	34,971.75
Appeals	19,755.00	885.00	18,870.00
Disclaimers	220.00		220.00
Oppositions	5,570.00	210.00	5,360.00
	25,545.00	1,095.00	24,450.00
Total	2,775,197.86	22,215.53	2,752,982.33

Receipts from sale of Official Gazette and other publications through Government Printing Office (estimated)	23,000.00
Grand total	2,775,982.33

EXPENDITURES.

Amounts expended under the several appropriations from Jan. 1 to Dec. 31, 1921.

Salaries	\$1,450,945.24
Scientific library	2,753.70
International Union for Protection of Industrial Property	750.00
Stationery	13,841.50
Postage on foreign matter	1,000.00
Furniture, carpets, ice, telephones, washing towels, coal, and sundries	34,658.45
Photolithographing:	
Current issue	\$63,721.37
Reproductions	157,052.58
Photographic copies	6,690.26
Photostat supplies, etc.	11,699.24
Dry mounting tissue	1,325.00
Foreign patents	5,152.50
Transportation of foreign exchange	1,618.25
	247,259.20
Printing and binding:	
Official Gazette, with indexes	144,439.39
Specifications	460,935.53
Total for Gazette and Specifications	605,374.92
Miscellaneous	26,344.04
Defending suits	523.70
Rent and storage of Patent Office models	2,900.00
Total under above heading	2,386,350.75
Increase in compensation	226,078.73
Grand total	2,612,429.48

670

[Vol. 295.

RECEIPTS AND EXPENDITURES.

Receipts from all sources	\$2,775,982.33
Expenditures	2,612,429.48
Net favorable balance	163,552.85

Surplus earnings of the Patent Office, deposited in the Treasury of the United States.

Amount of total net surplus in Treasury January 1, 1921	\$8,364,966.60
Net surplus for the year 1921	163,552.85
Total net surplus, December 31, 1921	8,528,519.45

Summary of the business of the Patent Office.

Applications for patents for inventions	87,408
Applications for patents for designs	5,596
Applications for reissues of patents	324
Total	93,328
Applications for registration of trade-marks	16,234
Applications for registration of labels	1,601
Applications for registration of prints	602
Total	18,437
Disclaimers	21
Appeals on the merits	1,658
Notices of opposition	560
Total	2,239
Applications without fees:	
For inventions (act of March 3, 1883)	59
For reissues, inventions (Rule 170)	7
For reissues, designs (Rule 170)	1
Total	67

Applications filed:	
For patents, with fees	93,328
For registrations, with fees	18,437
For patents, without fees	67
Grand total	111,832

Patents issued, excluding designs	37,885
Design patents issued	3,277
Patents reissued	239

Total	41,401
Trade-marks registered	11,654
Labels registered	1,485
Prints registered	466
Total	13,605

Patents expired during the year	30,267
Applications forfeited for nonpayment of final fees	6,714
Applications allowed awaiting payment of final fees	17,423
Trade-mark applications passed for publication	11,036
Applications allowed:	
Patents	48,536
Designs	3,337
Reissues	296

No. 3.]

PATENTS ISSUED.

Patents issued to citizens of the United States, with the ratio of population to each patent granted.

States.	Patents and designs.	One to every—	States.	Patents and designs.	One to every—
Alabama.....	138	17,016	New York.....	6,450	1,610
Arizona.....	61	5,474	North Carolina.....	148	17,292
Arkansas.....	92	19,046	North Dakota.....	106	6,091
California.....	2,363	1,450	Ohio.....	2,906	1,981
Colorado.....	410	2,291	Oklahoma.....	265	7,654
Connecticut.....	946	1,354	Oregon.....	274	2,859
Delaware.....	77	2,896	Pennsylvania.....	3,223	2,706
Florida.....	162	5,978	Rhode Island.....	283	3,136
Georgia.....	180	16,088	South Carolina.....	80	21,046
Idaho.....	110	3,926	South Dakota.....	112	5,683
Illinois.....	3,893	1,666	Tennessee.....	246	9,503
Indiana.....	819	3,578	Texas.....	659	7,076
Iowa.....	651	3,693	Utah.....	149	3,016
Kansas.....	366	4,834	Vermont.....	62	5,684
Kentucky.....	200	12,083	Virginia.....	278	8,306
Louisiana.....	172	10,456	Washington.....	655	2,071
Maine.....	122	6,295	West Virginia.....	207	7,071
Maryland.....	373	3,886	Wisconsin.....	1,012	2,601
Massachusetts.....	2,056	1,874	Wyoming.....	63	3,085
Michigan.....	1,521	2,412	Alaska.....	15	3,660
Minnesota.....	758	3,149	Canal Zone.....	1	22,858
Mississippi.....	57	31,414	District of Columbia.....	321	1,363
Missouri.....	1,147	2,967	Hawaii.....	38	6,735
Montana.....	173	3,173	Philippine Islands.....	15	690,042
Nebraska.....	318	4,077	Porto Rico.....	10	129,981
Nevada.....	33	2,315	United States Army.....	60	
New Hampshire.....	129	3,435	United States Navy.....	7	
New Jersey.....	2,082	1,516			
New Mexico.....	140	9,009	Total.....	137,094	

¹ Not including 239 reissues and 105 patents withdrawn.

Patents granted to residents of foreign countries.

Algeria.....	1	China.....	2	Isle of Wight.....	1	South Australia.....	12
Alsace Lorraine.....	1	Columbia.....	1	Java.....	1	South Sumatra.....	1
Argentina.....	36	Costa Rica.....	2	Italy.....	89	Spain.....	12
Austria.....	23	Czechoslovakia.....	3	Japan.....	63	Straits Settlements.....	4
Belgium.....	46	Cuba.....	32	Luxemburg.....	1	Sweden.....	157
Bermuda.....	1	Denmark.....	70	Mexico.....	28	Switzerland.....	161
Bohemia.....	4	Dominican Republic.....	1	Netherlands.....	53	Tasmania.....	1
Brazil.....	1	Dutch East Indies.....	9	New South Wales.....	50	Turkey.....	2
British East Africa.....	1	Egypt.....	1,146	New Zealand.....	49	Uruguay.....	1
British India.....	3	England.....	4	Norway.....	55	Venezuela.....	1
British Isles.....	1	Finland.....	426	Portugal.....	5	Victoria.....	65
British South Africa.....	1	France.....	352	Queensland.....	1	Wales.....	16
British West Indies.....	1	Germany.....	7	Roumania.....	1	West Africa.....	1
Canada.....	809	Hungary.....	16	Russia.....	4	West Australia.....	8
Ceylon.....	1	India.....	22	Scotland.....	77		
Chile.....	2	Ireland.....	2	South Africa.....	17	Total.....	3,963

[Vol. 295. No. 3.]

The following tables present a comparative statement of the business of the Patent Office since the enactment of the statute of 1836 and exhibit in detail the business of the Office during the last calendar year:

Comparative statement of the business of the Office from 1837 to 1921, inclusive.

Year.	Applica- tions. ¹	Caveats filed. ²	Patents and re- issues.	Cash received.	Cash expended.	Surplus.
1837.....			435	\$29,289.08	\$33,506.98	
1838.....			520	42,123.54	37,338.92	\$4,784.62
1839.....			425	38,019.97	34,843.51	3,476.46
1840.....	765	228	473	38,056.51	39,020.67	
1841.....	847	312	495	40,413.01	52,666.87	
1842.....	761	291	517	36,505.63	31,241.43	5,264.20
1843.....	819	315	519	35,315.81	30,776.96	4,538.85
1844.....	1,045	380	497	42,509.26	35,344.53	6,164.73
1845.....	1,246	452	503	51,076.14	39,395.65	11,680.49
1846.....	1,272	448	638	50,264.16	46,158.71	4,105.45
1847.....	1,531	533	569	63,111.19	41,878.35	21,232.84
1848.....	1,628	607	653	67,576.60	58,905.84	8,760.85
1849.....	1,955	595	1,077	80,752.78	77,716.44	3,036.34
1850.....	2,193	602	993	86,827.05	80,100.95	6,826.10
1851.....	2,258	760	872	95,738.61	86,916.93	8,821.68
1852.....	2,639	996	1,019	112,056.34	95,916.91	16,139.43
1853.....	2,673	901	961	121,527.45	132,899.83	
1854.....	3,324	868	1,844	163,789.84	167,146.32	
1855.....	4,435	906	2,013	216,459.35	179,540.33	36,919.02
1856.....	4,960	1,024	2,505	192,588.02	199,931.02	
1857.....	4,771	1,010	2,896	196,132.01	211,582.09	
1858.....	5,394	943	3,710	203,716.16	193,193.74	10,522.42
1859.....	6,225	1,079	4,538	245,942.15	210,278.41	35,663.74
1860.....	7,653	1,084	4,819	256,252.59	262,820.80	4,531.79
1861.....	4,643	700	3,340	137,354.44	221,491.91	
1862.....	5,038	824	3,521	215,754.99	182,810.39	32,944.60
1863.....	6,014	787	4,170	195,593.29	189,414.14	6,179.15
1864.....	6,972	1,063	5,020	240,919.98	229,868.00	11,051.98
1865.....	10,664	1,932	6,616	348,791.84	274,199.34	74,592.50
1866.....	15,269	2,723	9,450	495,665.38	361,724.28	133,941.10
1867.....	21,276	3,597	13,015	646,581.92	639,263.32	7,318.60
1868.....	20,445	3,705	13,378	681,565.86	628,679.77	52,886.09
1869.....	19,271	3,624	13,986	693,145.81	486,430.74	206,715.07
1870.....	19,171	3,273	13,321	669,456.76	557,147.19	112,309.57
1871.....	19,472	3,366	13,033	678,716.46	562,091.64	116,624.82
1872.....	18,246	3,090	13,590	699,726.39	665,595.00	34,131.39
1873.....	20,414	3,248	12,864	703,191.77	691,178.98	12,012.79
1874.....	21,602	3,181	13,591	738,278.17	679,288.41	58,989.76
1875.....	21,638	3,094	14,837	743,453.36	721,657.71	21,795.65
1876.....	21,425	2,697	15,595	757,987.65	652,542.60	105,445.05
1877.....	20,308	2,809	14,187	732,342.85	613,152.62	119,190.23
1878.....	20,260	2,755	13,444	725,375.55	593,082.89	132,292.66
1879.....	20,059	2,620	13,213	703,931.47	529,638.97	174,292.50
1880.....	23,012	2,490	13,947	749,685.32	538,865.17	210,820.15
1881.....	26,059	2,406	16,584	853,665.89	605,173.28	248,492.61
1882.....	31,522	2,553	19,267	1,009,219.45	683,867.67	325,351.78
1883.....	34,576	2,741	22,383	1,146,240.00	675,234.86	471,005.14
1884.....	35,600	2,582	20,413	1,075,798.80	970,579.76	105,219.04
1885.....	35,717	2,552	24,233	1,188,089.15	1,024,378.85	163,710.30
1886.....	35,968	2,513	22,508	1,154,551.40	992,503.45	162,047.95
1887.....	35,613	2,622	21,477	1,144,509.60	994,472.22	150,037.38
1888.....	35,797	2,251	20,506	1,118,516.10	973,108.78	145,407.32
1889.....	40,575	2,481	24,158	1,281,728.05	1,052,955.96	228,772.09
1890.....	41,048	2,311	26,292	1,340,372.66	1,099,297.74	241,074.92
1891.....	40,552	2,408	23,244	1,271,285.78	1,139,713.35	131,572.43
1892.....	40,753	2,290	23,559	1,286,331.88	1,110,739.24	175,592.59
1893.....	38,473	2,247	23,769	1,242,871.64	1,141,038.45	101,833.19
1894.....	38,439	2,286	20,867	1,187,439.58	1,100,047.12	87,392.46
1895.....	40,680	2,415	22,057	1,245,246.93	1,106,389.49	138,857.44
1896.....	43,982	2,271	23,373	1,324,059.83	1,113,413.71	210,646.12
1897.....	47,905	2,176	23,794	1,375,641.72	1,122,843.13	252,798.59
1898.....	35,842	1,659	22,267	1,137,734.48	1,136,196.20	1,538.28
1899.....	41,443	1,716	25,527	1,325,457.03	1,211,783.73	113,673.30
1900.....	41,980	1,731	26,499	1,350,828.53	1,260,019.62	90,808.91
1901.....	40,449	1,842	27,373	1,449,398.16	1,297,385.64	152,012.52
1902.....	49,641	1,851	27,886	1,552,859.08	1,393,345.54	159,513.54
1903.....	50,213	1,771	31,699	1,642,201.81	1,448,645.81	193,556.00
1904.....	52,143	1,808	30,934	1,657,326.53	1,476,000.38	181,326.15
1905.....	54,971	1,896	30,399	1,806,753.14	1,479,633.22	327,124.92
1906.....	56,482	1,885	31,965	1,790,921.38	1,554,891.20	236,030.18
1907.....	58,762	1,967	36,620	1,910,618.14	1,631,458.36	279,159.78
1908.....	61,475	2,110	33,682	1,896,847.67	1,712,303.42	184,544.25
1909.....	65,839	1,948	37,421	2,042,828.14	1,955,151.14	87,677.00
1910.....	64,629	970	35,930	2,025,536.69	2,005,711.94	19,824.75
1911.....	69,121		34,084	2,019,388.03	1,953,689.91	65,698.12
1912.....	70,976		37,731	2,118,158.30	2,022,066.11	96,092.19
1913.....	70,367		35,788	2,084,417.79	1,947,383.28	137,034.51
1914.....	70,404		41,850	2,251,892.82	2,000,770.12	251,122.70
1915.....	70,069		44,934	2,290,773.47	2,053,442.15	239,331.32
1916.....	71,033		45,927	2,345,540.94	2,115,367.91	228,173.03
1917.....	70,373		42,760	2,258,377.10	2,048,173.16	210,203.94
1918.....	59,615		39,941	1,977,518.82	2,050,938.17	-73,419.35
1919.....	80,400		38,598	2,417,071.77	2,310,420.02	106,651.75
1920.....	86,815		39,882	2,679,948.31	2,572,097.56	107,850.75
1921.....	93,328		41,401	2,775,982.33	2,612,429.48	163,552.85

¹ Including patents, designs, and reissues.

² Caveat law repealed June 25, 1910.

Statement showing the number of the first patent, design patent, and reissued patent, and the number of the first certificate of registration of a trade-mark, label, and print issued in each calendar year since July 28, 1836, when the present series of numbers of letters patent commenced.

[The number of patents granted prior to the commencement of this series of numbering (July 28, 1836) was 9,957.]

Number of first patent and certificate issued in each calendar year.

Calendar year.	Patents.	Designs.	Reissues.	Trade- marks.	Labels.	Prints.
1836 (July 28).....	1					
1837.....	110					
1838.....	546		1			
1839.....	1,061		7			
1840.....	1,465		20			
1841.....	1,923		30			
1842.....	2,413		36			
1843.....	2,901	1	49			
1844.....	3,595	15	60			
1845.....	3,873	27	67			
1846.....	4,348	44	78			
1847.....	4,914	103	91			
1848.....	5,409	163	105			
1849.....	5,993	209	128			
1850.....	6,981	258	158			
1851.....	7,865	341	184			
1852.....	8,622	431	209			
1853.....	9,512	540	229			
1854.....	10,358	626	258			
1855.....	12,117	683	286			
1856.....	14,009	753	337			
1857.....	16,324	860	420			
1858.....	19,010	973	517			
1859.....	22,477	1,075	643			
1860.....	26,642	1,183	674			
1861.....	31,005	1,366	1,106			
1862.....	34,045	1,508	1,253			
1863.....	37,266	1,703	1,369			
1864.....	41,047	1,879	1,596			
1865.....	45,685	2,018	1,844			
1866.....	51,784	2,259	2,140			
1867.....	60,658	2,533	2,430			
1868.....	72,959	2,858	2,830			
1869.....	85,503	3,304	3,250			
1870.....	98,460	3,810	3,784	1		
1871.....	110,617	4,547	4,223	122		
1872.....	122,304	5,452	4,687	608		
1873.....	134,504	6,336	5,216	1,099		
1874.....	146,120	7,083	5,717	1,591	1	
1875.....	158,350	7,969	6,200	2,150	233	
1876.....	171,641	8,884	6,831	3,283	465	
1877.....	185,813	9,686	7,452	4,247	937	
1878.....	198,733	10,585	8,020	5,463	1,329	
1879.....	211,078	10,975	8,529	6,918	1,821	
1880.....	223,211	11,567	9,017	7,790	2,176	
1881.....	236,137	12,082	9,523	8,139	2,379	
1882.....	251,685	12,647	9,994	8,973	2,581	
1883.....	269,820	13,508	10,265	9,920	2,885	
1884.....	291,016	14,528	10,432	10,822	3,791	
1885.....	310,163	15,678	10,548	11,843	4,304	
1886.....	333,494	16,451	10,677	12,910	4,695	
1887.....	355,291	17,046	10,793	13,939	5,073	
1888.....	375,720	17,995	10,892	15,072	5,453	
1889.....	395,305	18,830	10,978	16,131	5,780	
1890.....	418,665	19,553	11,053	17,360	6,099	
1891.....	443,987	20,439	11,137	18,775	6,403	
1892.....	466,315	21,275	11,217	20,537	6,540	
1893.....	488,976	22,092	11,298	22,274	None.	1
1894.....	511,744	22,994	11,397	23,951	None.	3
1895.....	531,619	23,922	11,461	25,757	None.	7
1896.....	552,502	25,037	11,520	27,586	6,546	10
1897.....	574,369	26,482	11,581	29,399	6,547	42
1898.....	596,467	28,113	11,646	31,070	6,561	58
1899.....	616,871	29,916	11,706	32,308	6,761	93
1900.....	640,167	32,055	11,798	33,957	7,272	193
1901.....	664,827	33,813	11,879	35,675	8,009	286
1902.....	690,385	35,547	11,960	37,606	8,887	445
1903.....	717,521	36,187	12,070	39,612	9,654	603
1904.....	748,567	36,723	12,189	41,798	10,644	873
1905.....	778,834	37,280	12,299	43,956	11,758	1,170
1906.....	808,618	37,766	12,428	48,466	12,588	1,529
1907.....	839,799	38,391	12,587	59,014	13,297	1,874
1908.....	875,679	38,980	12,738	66,892	13,964	2,189
1909.....	908,436	39,737	12,906	72,083	14,582	2,409
1910.....	945,010	40,424	13,066	76,267	15,074	2,557
1911.....	980,178	41,063	13,189	80,506	15,444	2,677
1912.....	1,013,095	42,073	13,346	84,711	16,103	2,925
1913.....	1,049,326	43,415	13,504	89,731	16,786	3,168
1914.....	1,087,267	45,098	13,668	94,796	17,444	3,458
1915.....	1,123,212	46,813	13,858	101,613	18,163	3,796
1916.....	1,166,419	48,358	14,040	107,875	18,966	4,167
1917.....	1,210,389	50,117	14,238	114,666	19,836	4,599
1918.....	1,251,458	51,629	14,417	120,005	20,443	4,844
1919.....	1,290,027	52,836	14,582	124,066	21,097	5,041
1920.....	1,326,899	54,359	14,785	128,274	21,617	5,187
1921.....	1,364,063	56,844	15,018	138,556	22,377	5,439
1922.....	1,401,948	60,121	15,257	150,210	23,862	5,905

First print registered, Mar. 7, 1902.

Statement showing the total number of patents, design patents, and reissued patents, and the total number of certificates of registration of trade-marks, labels, and prints issued in each calendar year since July 28, 1836, when the present series of numbers of letters patent commenced.

[The number of patents granted prior to the commencement of this series of numbering (July 28, 1836) was 9,957.]

Number of patents and certificates of registration issued during each calendar year.								
Calendar year.	Patents.	Designs.	Reissues.	Total patents.	Trade-marks.	Labels.	Prints.	Total certificates.
1836 (July 28)	109							
1837	436							
1838	515		6					
1839	404		13					
1840	458		10					
1841	490		6					
1842	488		13					
1843	494	14	11	519				
1844	478	12	7	497				
1845	475	17	11	503				
1846	566	59	13	638				
1847	495	60	14	569				
1848	584	46	23	653				
1849	988	49	30	1,067				
1850	884	83	26	993				
1851	757	90	25	872				
1852	890	109	20	1,019				
1853	846	86	29	961				
1854	1,759	57	28	1,844				
1855	1,892	70	51	2,013				
1856	2,315	107	83	2,505				
1857	2,686	113	97	2,896				
1858	3,467	102	126	3,695				
1859	4,165	108	231	4,504				
1860	4,363	183	232	4,778				
1861	3,040	142	147	3,329				
1862	3,221	195	116	3,522				
1863	3,781	176	227	4,184				
1864	4,638	139	248	5,025				
1865	6,099	221	296	6,616				
1866	8,874	294	290	9,458				
1867	12,301	325	400	13,026				
1868	12,544	446	420	13,410				
1869	12,957	506	534	13,997				
1870	12,157	737	439	13,333	121			121
1871	11,687	905	464	13,056	486			486
1872	12,200	884	529	13,613	491			491
1873	11,616	747	501	12,864	492			492
1874	12,230	886	483	13,599	559	232		791
1875	13,291	915	631	14,837	1,138	232		1,370
1876	14,172	802	621	15,595	959	472		1,431
1877	12,920	699	568	14,187	1,216	392		1,608
1878	12,345	590	509	13,444	1,455	492		1,947
1879	12,133	592	488	13,213	872	355		1,227
1880	12,926	515	506	13,947	349	203		552
1881	15,548	565	471	16,584	834	202		1,035
1882	18,135	861	271	19,267	947	304		1,251
1883	21,196	1,020	167	22,383	902	906		1,808
1884	19,147	1,150	116	20,413	1,021	513		1,534
1885	23,331	773	129	24,233	1,067	391		1,458
1886	21,797	595	116	22,508	1,029	378		1,407
1887	20,429	949	99	21,477	1,133	380		1,513
1888	19,585	835	86	20,506	1,059	327		1,386
1889	23,360	723	75	24,158	1,229	319		1,548
1890	25,322	886	84	26,292	1,415	304		1,719
1891	22,328	836	80	23,244	1,762	137		1,899
1892	22,661	817	81	23,559	1,737	16		1,743
1893	22,768	902	99	23,769	1,677	None.	2	1,679
1894	19,875	928	64	20,857	1,806	None.	4	1,810
1895	20,883	1,115	59	22,057	1,829	None.	3	1,832
1896	21,867	1,445	61	23,273	1,813	1	32	1,846
1897	2,098	1,631	65	23,794	1,671	14	16	1,701
1898	20,404	1,803	60	22,267	1,238	200	35	1,473
1899	23,295	2,139	92	25,527	1,649	511	100	2,260
1900	24,660	1,758	81	26,499	1,721	737	93	2,551
1901	25,558	1,734	81	27,373	1,928	878	159	2,965
1902	27,135	640	110	27,886	2,006	767	158	2,931
1903	31,046	535	117	31,699	2,186	990	270	3,446
1904	30,267	557	110	30,934	2,158	1,114	297	3,569
1905	29,784	486	129	30,399	4,490	830	359	5,679
1906	31,181	625	159	31,955	10,568	709	656	11,933
1907	35,880	589	151	36,620	7,878	667	315	8,860
1908	32,757	757	168	33,682	5,191	618	220	6,029
1909	36,574	687	160	37,421	4,184	492	148	4,824
1910	35,168	639	123	35,930	4,239	370	120	4,729
1911	32,917	1,010	157	34,084	4,205	659	248	5,112
1912	36,231	1,342	158	37,731	5,020	633	243	5,896
1913	33,941	1,683	164	35,788	5,065	708	290	6,063
1914	39,945	1,715	190	41,850	6,817	719	338	7,874
1915	43,207	1,545	182	44,934	6,262	803	371	7,436
1916	43,970	1,759	198	45,927	6,791	864	432	8,087
1917	41,069	1,512	179	42,760	5,339	613	245	6,197
1918	38,569	1,207	165	39,941	4,061	654	197	4,912
1919	36,872	1,523	203	38,598	4,208	520	146	4,874
1920	37,164	2,485	233	39,882	10,282	760	252	11,294
1921	37,885	3,277	239	41,401	11,654	1,485	466	13,605

¹ Registration of labels practically suspended May 27, 1891, under decision of the United States Supreme Court in *Higgins et al. v. Keuffel et al.* (55 O. G., 1139) with the registration No. 6545, June 14, 1892. Resumed June 9, 1896, with the registration of No. 6546.

Expenditures for photolithographic and photographic work since 1915-16.

Fiscal year ending June 30—	Contractor.	Price per page.			Total.
		Current issue.	Reproduc- tion of ex- hausted copies, etc.	Photo- graphic copies.	
1916.....	Columbia Planograph Co.....	¹ \$0.61 ₅₀ ⁴			\$140,000
	The Norris Peters Co.....	2.49			
	A. J. Ingram.....		² \$0.39		
	Commercial Photo. Co.....		4.49	³ \$0.056	
1917.....	Webb & Bocorselski.....		8.40	6.06	140,000
	Norris Peters Co.....	¹ 1.76			
	Sackett & Wilhelms Co.....	7.60	² 4.57		
	F. W. Ernst.....		2.42 ₈	6.07	
1918.....	C. J. Ernst.....		8.35	2.06	140,000
	Sackett & Wilhelms Corporation.....	¹ 1.77	² 2.41 ₈		
	Webb & Bocorselski.....	7.67	4.59		
	Commercial Photo. Co.....		8.45	³ 6.054	
1919.....	Norris Peters Co.....	¹ 1.75		6.059	140,000
	Norris Peters Co. (July).....	7.66			
	Sackett & Wilhelms Co. (August-December, inclusive).....		² 4.11 ₂		
	Commercial Photo. Co.....		4.55	³ 6.059	
1920.....	Rapid Process Co.....		8.45	6.069	175,000
	Columbia Planograph Co.....	¹ 1.74		6.079	
	Sackett & Wilhelms Co.....	7.64	² 8.57 ₂		
	Commercial Photo. Co.....		4.71	6.069	
1921 (first half).....	Columbia Planograph Co.....		8.54		\$235,000
	Columbia Planograph Co.....	¹ 1.18			
	Sackett & Wilhelms Corporation.....	7.96	² 8.77		
	Federal Photolithograph Co.....		4.99		
	Commercial Photo. Co.....		8.54	³ 6.085	
				6.095	
1921 (second half)...	Norris Peters (Inc.).....	¹ 1.02			
	Columbia Planograph Co.....	7.95			
	Sackett & Wilhelms Corporation.....		² 8.77		
	Federal Lithograph Co.....		4.97		
1922 (first half).....	Commercial Photo. Co.....		8.54	³ 6.074	10 230,000
	Washington Planograph Co.....	1.85		6.09	
	Norris Peters (Inc.).....	7.78			
	Sackett & Wilhelms Corp.....		² 8.715		
	Commercial Photo. Co.....		4.89	³ 6.079	
	Norris Peters (Inc.).....		8.45	6.09	

¹ For 100 thin, 2 thick, and 1 bound copies of patents.² For 50 thin, 2 thick, and 1 bound copies of trade-marks and designs.³ For 50 copies each, mechanical and design patents and trade-marks.⁴ For 100 copies each, mechanical and design patents and trade-marks.⁵ Size 8 by 12½ inches.

295 O. G.—44

⁶ Size, 10 by 15 inches.⁷ For 50 thin, 2 thick, and 1 bound copies of designs.⁸ For 2 copies of drawings of foreign patents.⁹ Including deficiency appropriation.¹⁰ For fiscal year ending June 30, 1922.

Number of patents issued by the United States to December 31, 1921, and by foreign countries to December 31, 1919.

Countries.	To 1870 inclusive.	1871 to 1919.	Total.	Countries.	To 1870 inclusive.	1871 to 1919.	Total.
Argentina.....	83	16,838	16,921	Mexico.....	22	19,105	19,127
Australia.....		22,154	22,154	Morocco (French Zone).....		87	87
Austria.....		107,850	107,850	Netherlands.....	4,535	4,725	9,260
Austria-Hungary.....	15,785	58,811	74,596	Newfoundland.....	40	598	638
Bahamas ¹		16	16	New South Wales.....	236	11,740	11,976
Barbados.....		176	176	New Zealand.....	109	20,089	20,198
Belgium.....	36,333	252,728	289,061	Norway.....	737	31,107	31,844
Bolivia ¹	42	65	107	Paraguay ¹		102	102
Brazil ²	185	11,601	11,786	Peru (excluding 1918 and 1919).....		609	609
British Guiana ¹	32	94	126	Portugal ²	306	10,270	10,576
British Honduras.....	1	25	26	Queensland.....	67	6,050	6,117
Canada.....	4,081	190,174	194,255	Russia.....	1,464	30,844	32,308
Ceylon ¹	58	829	887	St. Helena.....		4	4
Chile.....	266	3,448	3,714	South African Republics.....		1,262	1,262
Colombia.....		1,313	1,313	South Australia.....	123	6,675	6,798
Congo Free State ¹		294	294	Spain ²		61,364	61,364
Costa Rica ¹		74	74	Straits Settlements.....		458	458
Cuba.....		3,301	3,301	Sweden.....	1,629	47,985	49,614
Czecho-Slovakia.....		860	860	Switzerland.....		85,364	85,364
Denmark.....	464	32,437	32,901	Tasmania.....	49	3,040	3,089
Ecuador ¹		10	10	Trinidad ¹	6	317	323
Fiji Islands ¹		47	47	Tunis ¹		1,102	1,102
Finland.....	112	8,343	8,455	Turkey ¹		2,560	2,560
France.....	137,254	474,778	612,032	Union of South Africa.....		5,825	5,825
Germany.....	9,996	325,794	335,790	Uruguay.....		1,331	1,331
Great Britain.....	53,527	508,731	562,258	Venezuela ¹		329	329
Guatemala ¹		57	57	Victoria.....	822	12,713	13,535
Hawaii.....		176	176	West Australia.....		3,401	3,401
Hongkong.....		328	328				
Hungary ¹		74,354	74,354	Total foreign.....	273,609	2,686,195	2,959,804
India.....	445	15,927	16,372	United States.....	120,573	1,216,282	1,336,855
Italy and Sardinia ²	4,665	158,348	163,013				
Jamaica.....	22	287	309	Total to 1870.....	394,182		
Japan.....		35,292	35,292	Total 1871-1919.....		3,902,477	4,296,659
Leeward Islands.....		44	44	United States, 1920.....			37,164
Liberia ¹		2	2	United States, 1921.....			37,885
Luxemburg ¹		11,061	11,061				
Malta.....		161	161	Grand total, including United States.....			4,371,708
Mauritius ¹	113	311	424				

¹ No change made in numbers of last year's report. No definite information received.

² 1919 figures estimated on account of lack of information.

OTHER DETAILS OF BUSINESS.

During the year a total of 93,328 applications for patents, reissues of patents, and designs, and 170,678 amendments in pending applications were filed. This represents an increase of 6,513 in the number of applications, and an increase of 11,262 in the number of amendments. There were filed without fees, under the act of March 3, 1883, 59 applications for patent, and under Rule 170 of the Rules of Practice, 8 applications for reissue, making a total of 67 applications without fees.

The fees received by mail and express amounted to \$1,774,878.76, and the fees paid by hand amounted to \$1,000,319.10. The number of letters indexed and filed, constituting the general correspondence of the Office, was 330,341, an increase of 16,581 over last year. In addition 39,513 letters of inquiry were returned with circulars of information answering the questions propounded. The number of parcels received by registered mail was 21,481, and the number of parcels by express was 1,536.

During the year 6,714 applications were forfeited by reason of failure to pay the final fee within the time prescribed by section 4885, Revised Statutes. Since March 3, 1861, about 248,738 forfeited cases have become abandoned.

In the Drafting Division, 1,193 drawings were made for inventors, who paid \$4,946.40 therefor, and 6,160 drawings previously filed were corrected upon request by the inventors, for which the Office received \$6,180.60. There were also three tracings

made for \$12.00. The total fees received for work by the Drafting Division were \$11,139.00. In addition to this 5,319 corrections in drawings were made without cost to the inventors.

In the Assignment Division 42,050 deeds, transferring the titles to patents, etc., and containing 18,877,750 words, averaging 450 words per deed, were recorded. For this work the Office received \$58,422.25. In addition to this the Assignment Division prepared 2,341 abstracts of title and 3,940 briefs, for which fees amounting to \$3,100.20 were paid. The total earnings of the Assignment Division were \$61,522.45.

Typewritten copies of records aggregating 15,753,900 words, and photostat copies aggregating 18,900,400 words, were furnished, and other copies containing 6,475,400 words, made by outsiders, were compared and certified by the Office. For the whole of this work the Office received \$41,129.70. For the certificates attached to certain of these copies the Office received \$2,209.75, a total of \$43,339.45. The Office supplied 4,284 certified printed copies of patents, 7,593 trade-marks, 69 copies of prints and labels, 47 copies of designs, and certified to 52 photoprints of drawings and 18 statements of fact, receiving therefor \$10,129.55.

Inventors and attorneys were furnished with 70,697 photographic copies of drawings, 8 by 12½, at 15 cents each, and 4,694 photographic copies of drawings, 10 by 15, at 25 cents each; also 95,480 photostat copies, at 15 cents each; and 81,350 photo-

tostat copies at 25 cents each. The amounts received for these photographic and photostat copies were \$11,778.05 and \$34,659.50, respectively. The expenditures during the year for supplies for the photostat machine were \$11,699.24.

Printed copies of specifications and drawings of patents to the number of 2,209,693 were sold at 10 cents each, bringing to this Office on this account \$220,969.30. For 1,315,728 copies sold to libraries the Office received \$1,588.00. The total received from the sale of copies of patents was \$222,557.30, a decrease of \$4,376.60 from the receipts of last year. Copies to the number of 1,067,472 were shipped to foreign Governments, and 463,067 copies were drawn for Office use. The total number of printed copies of patents distributed during the year was 5,055,960.

REPORT OF WM. I. WYMAN, CHIEF CLERK, FOR THE YEAR 1921.

STORAGE OF COPIES OF PATENTS.

The plans to relocate the one and a half million bundles of copies of patents of the nature indicated in the last two calendar year reports were practically carried to completion during the year. Almost the entire number of bundles named have been transferred to new positions, involving, in most instances, the removal of the bundles from one portion of the building to another, and have been placed in sequence and in accordance with an arrangement whereby selection of copies is considerably facilitated. There have also been installed during the year, several new experimental cases. These cases have been given a thorough trial and their efficiency demonstrated. Not only do these cases provide expeditious selection, but they reduce the errors to a substantial extent and also save destruction of copies, which is an inherent incident to the old system of storage. Plans are being developed for the extension of this system, which, of course, will depend upon the grant of an appropriation by Congress, so that in a few years, when a large proportion of the active numbers are provided for, there will be sufficient means to utilize the benefits that will flow from the new system. During the year various reforms have been put into practice, tending to improve the system, and copies of patents are now delivered with a celerity and accuracy not obtainable during the last several years. But until a sufficient number of the new filing cases are installed, entirely efficient service with the inadequate methods now existing of storing copies must not be expected, for under no possible means of operation can the thoroughly unscientific storage of copies in bundles loosely arranged in open wooden shelves, with no certainty of identification and no assurance of security or accuracy, be made effective for delivery of expeditious and satisfactory service. Modern, scientific, compact equipment, fire and vermin proof, in suitable quarters, is a necessity for efficiency and safety.

PHOTOLITHOGRAPHY.

There was expended for reproductions during the year the sum of \$157,052.58, being more than 50% greater than was ever before expended for this item. This sum included \$65,000 appropriated by the first deficiency act of the fiscal year 1921. The use of this amount helped considerably to stock up the shelves of copies for sale, of which an unusually large percentage had been out of print on account of, first, the large demands for copies made upon the stock, and, second, the limited appropriations for reproductions in previous years. The number of reproductions averaged 700 sheets per day, about twice the normal rate, and provided for 47,693 bundles of patents, each containing 50 or 100 copies, to be placed in stock for sale. This replenishment of the shelves reduced the number of copies cited as exhausted appreciably and has benefited the service correspondingly. During the year the time required for reproducing a copy of patent upon request has been reduced from six months to less than four weeks.

In the item for reproducing foreign patent drawings for the purpose of reducing them to the size of the United States patents, so that they may be filed with the latter, there were substituted *photographic* for photolithographic reproductions upon heavy paper. The photographic reproductions are much clearer than the photolithographic work, and the substitution of this method on this service for its whole period will save the Government about \$50,000 and will reduce the period necessary for its completion from six years to one and one-half years.

SCIENTIFIC LIBRARY.

The most pressing need of the Scientific Library is an appropriation sufficient to bind an accumulation of new material now on hand in unbound condition, as well as to care for the rebinding of old volumes very much in arrears. It is estimated that a yearly allotment of at least \$17,000 is necessary to bind all the new material coming into the Library and to keep the old volumes in good condition by rebinding. The money actually expended during the last four fiscal years amounted to an average of about \$8,000, which is insufficient for this most necessary purpose. Like other branches of the Office, the Library is very much in need of additional and especially modern equipment.

CLASSIFICATION DIVISION.

During the year 1921 there have been classified and completed 4 classes, embracing 24,119 patents. To date there have been classified 213 classes, embracing 954,000 patents, leaving unclassified 84 classes, embracing 440,000. The work has so far progressed on the work of other classes to warrant the statement that about 70,000 will be finished and sent to the search room during the coming calendar year. Although considerable progress has been made in the work of this Division in the past year, the amount of personnel that can be assigned to this Division from the limited force of the Office is too

small to render the progress as desirably expeditious as the Office requirements demand.

TRADE-MARK DIVISION.

Applications for the registration of trade-marks and for design patents have been handled in this Division. The increase in the work in both lines has made it necessary to take designs from this Division. This has made it possible to provide more space for the ever-increasing records of the Trade-Mark Division. The appropriations have made it impossible to furnish this Division with enough employees or with sufficient furniture to allow its work to be conducted properly. The alphabetical index of trade-marks kept here is in constant use, both by the Examiners in the Office and by attorneys and the public generally. It is in a room which has no outdoor light or ventilation. By withholding furniture and supplies needed in other divisions of the Office an effort is being made to consolidate this index and make it usable. It has been necessary to make four searches, but it is expected that the rearrangement will make a single search sufficient.

The work of registering trade-marks in conjunction with the International Bureau at Havana has increased and the procedure has been reorganized and simplified.

The filing of certificates of incorporation has continued in increased bulk, and the fees therefor amount to upward of \$100 a month.

The method of indicating the renewal of a certificate of registration has been simplified and coordinated with the other work of the Division.

OPERATION OF THE NOLAN ACT.

Under the reciprocal provisions of the Nolan Act, approved March 3, 1921, many thousands of applications and patents in foreign countries owned by Americans, involving millions of dollars in value, have been saved. Somewhat over 1,200 applications of foreign inventors, filed in this country, have received the benefit of the act, as shown in the following table:

Germany.....	371
British Isles.....	355
France.....	244
Switzerland.....	68
United States.....	29
Czechoslovakia.....	26
Belgium.....	24
Sweden.....	21
Austria.....	18
Australia.....	15
Joint (citizens of two or more countries).....	12
Holland.....	8
Spain.....	6
Total.....	1,217

It is known that the citizens of the United States have benefited to a greater number by the reciprocal relations arising out of this act than citizens of the countries enumerated above.

THE COURSE OF INVENTION.

Formerly the southern New England States, New York, New Jersey, and Pennsylvania were the most active on the basis of population in patents issued to their citizens. In the last report it is

noted that California is second to Connecticut in that activity, indicating a new phase in industrial development. The inventive activity and industrial expansion go hand in hand. Up to recently these were almost entirely confined, to any noticeable extent, to the northeastern portion of the country. Lately there has been a considerable extension of manufacturing or other forms of industry toward the interior, affecting particularly the States of Illinois, Ohio, Michigan, Wisconsin, and Indiana, as well as the far western States of California, Washington, Oregon, Nevada, Utah, and Wyoming, all of which show corresponding increased relations with the Patent Office.

PERSONNEL.

There were 162 separations of employees during the calendar year, of which 55 were from the technical corps and 107 from the clerical force. This represents a turnover of about 16%, which, in view of the industrial depression which held sway during the entire year, represents altogether too large a turnover and presages a condition entirely too disturbing upon the resumption of industrial activity. The separation of one person in about every six per annum, which is the minimum in recent years, coupled with the enlarged demands upon the limited Office force, tends to disrupt the organization and retard its proper functioning.

Separations.

	Examiners.	Clerks.	Totals.
Resignations.....	48	93	141
Deaths.....	3	4	7
Retirements.....	4	10	14
Totals.....	55	107	162

Although there were three examinations for entrance into the examining corps held by the Civil Service Commission in the past year, there were, on December 31st, fifteen positions in the grade of Fourth Assistant Examiner occupied by temporaries, to replace which no eligibles could be provided by the Commission.

ADMINISTRATION.

While the examining corps performs the work for which the Office is primarily organized, the effectiveness of the work of the Bureau would, in great part, be nullified if the business and administrative sides of the organization were ineffective. The average number of employees on the clerical roll for the year 1918 was 538½; the average for the calendar year 1921 was 561, an increase of but 4%. During that time the increase of applications ranged from 53% to 150%; the increase in money received was 40%; the increase in correspondence received and filed 42%; the increase in number of words copied from manuscript 34%; deeds received for recording 60%, and photostat copies made 80%. Notwithstanding this truly extraordinary growth of demands upon the administrative forces of this Office, the delivery of work has proceeded with fair

expedition and has actually improved over the condition of the earlier year, although not without friction and not without serious defects that require a sufficient increase in force to obviate. This condition, whereby an organization under an increase of work averaging about 50% was kept a "going concern" with an increase of but 4% in force, has been due in great measure to the fine esprit de corps of the employees, who, in the face of the receipt of the lowest salaries in the clerical service in the Departments, maintained their morale intact. The administrative officials of the Bureau wish to acknowledge their obligations to this corps of faithful coworkers and to pay tribute to the fine spirit in which they have reacted to the abnormal demands made upon them.

These factors alone, however, would not have been able to prevent the Office from breaking under the strain if it were not for the introduction of methods to increase the efficiency of the organization per se. In response to a request from the Chief Clerk of the Department to report upon all economies effected and improvements in the service developed, an inventory of changes which had those effects was made and officially submitted. Among them it is possible to refer to the most prominent only, as follows:

The institution of a new method for answering inquiries concerning the status of an application, the same now being answered without a copy or record and the reply mailed directly, thus reducing the number of operations from 7 to 3 and expediting considerably the responses. This change, with consequent developments therefrom, has saved the time of two clerks.

A simplification of procedure in petitions to amend after allowance (under Rule 78) has reduced the number of movements from 10 to 4 with consequent expedition of work.

In the Assignment Division special and radical measures were introduced, in which the loan of equipment from the general supply committee was an essential factor, whereby the arrearage in recording deeds was reduced from 142 days to 59 days in the course of a few months.

Also in this Division, a confirmatory assignment from the Alien Property Custodian to the Chemical Foundation, which by ordinary routine would have required the employment of many additional clerks for an extended period of time, was made a matter of record by the institution of original proceedings without the necessity of resorting to additional help.

In the patented files gallery 427,000 stored patented files were overhauled and rearranged in numerical sequence and in strict numerical relation with the remaining files, occasioning expedition in and accuracy of delivery.

In the mail and financial rooms drastic changes were instituted whereby several distinct writings

of various duplicate records were made simultaneously, thus relieving the pressure on these rooms and making it possible to handle an increase of business of 40% with a practically fixed personnel and making the work more expeditious and more accurate.

Since the date of the original report, various other improvements have been inaugurated and planned for immediate installation. Certain slight omissions in the indexing of the OFFICIAL GAZETTE, while occasioning an almost negligible loss of service, have been the means of lightening up the work of the Issue and Gazette Division and, with certain other improvements instituted, for expediting the publication of the OFFICIAL GAZETTE, the time of which has been made practically current from an arrearage of over one week. The stamping of recordation on assignment deeds in place of the affixation of the involved slip and seal hitherto practiced has made for more expeditious performance.

On January 1, 1922, there was inaugurated a radically new system of preparing filing receipts and records of the application room. Three writings were made by different clerks of practically the same data. The new method comprises the writing of this data on the filing receipt, an alphabetical index card, and a loose-leaf sheet in the one writing or operation. This change released three clerks for assignment to other divisions which were in urgent need of more assistance, expedited and made accurate the transfer of files to the examining divisions, and relieved the application room of considerable strain to which the recent overwhelming increase of receipts subjected it.

In the Issue and Gazette Division receipts for final fees are now typewritten on a slip, and a carbon copy thereof is kept and arranged in true alphabetical order, thus avoiding a duplication of one writing. In the Assignment Division a corresponding method with regard to the record of inventors, assignors, and assignees is kept in three different files, all of the records therein being made in one writing, thus avoiding two duplications and making the record much better available to the public.

The equipment of the photostat room has been considerably altered, conveying apparatus being provided and a dark room installed in connection therewith. This rearrangement has improved the quality of the work, lessened the destruction of copies, and increased the output by at least 20%.

These instances are cited to demonstrate that the Office, in asking for additional help, is not ignoring the necessity for improving the service by methods which will reduce the requirement for that additional help to a minimum.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

THE OFFICIAL GAZETTE

OF THE

United States Patent Office.

Vol. 295—No. 4.

TUESDAY, FEBRUARY 28, 1922.

Price—\$5 per year.

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, \$5.00 per annum; single numbers, 10 cents each.

Printed copies of patents are furnished by the Patent Office at 10 cents each. For the latter, address the Commissioner of Patents, Washington, D. C.

CONTENTS.

	Page.
ISSUE OF FEBRUARY 28, 1922.....	681
CLASSIFICATION BULLETIN.....	681
AMENDED PATENT LAWS.....	681
NOTICE—CHANGES IN PATENT OFFICE FEES—EFFECTIVE APRIL 19, 1922.....	681
APPLICATIONS UNDER EXAMINATION.....	682
PATENTS GRANTED.....	683
REISSUES.....	831
DESIGNS.....	832
TRADE-MARKS PUBLISHED (208 APPLICATIONS).....	837
TRADE-MARK REGISTRATIONS GRANTED.....	865
TRADE-MARK REGISTRATIONS RENEWED.....	884
LABELS.....	885
PRINTS.....	886
DECISIONS OF THE U. S. COURTS— In re Inderrieden Canning Co.....	887
Bijur v. Kennington.....	887
ADJUDICATED PATENTS.....	888
NOLAN ACT—RECIPROCITY OF ITALIAN LAWS RECOGNIZED.....	889
ADVERSE DECISIONS IN INTERFERENCE.....	889
INTERFERENCE NOTICES.....	890
CHANGES IN CLASSIFICATION.....	890

Amended Patent Laws.

AMENDMENT TO REVISED STATUTES, SECTION 487.

The act of February 18, 1922, amends section 487 of the Revised Statutes to read as follows:

SEC. 487. The Commissioner of Patents, subject to the approval of the Secretary of the Interior, may prescribe rules and regulations governing the recognition of agents, attorneys, or other persons representing applicants or other parties before his office, and may require of such persons, agents, or attorneys, before being recognized as representatives of applicants or other persons, that they shall show that they are of good moral character and in good repute, are possessed of the necessary qualifications to enable them to render to applicants or other persons valuable service, and are likewise competent to advise and assist applicants or other persons in the presentation or prosecution of their applications or other business before the office. And the Commissioner of Patents may, after notice and opportunity for a hearing, suspend or exclude, either generally or in any particular case, from further practice before his office any person, agent, or attorney shown to be incompetent or disreputable, or guilty of gross misconduct, or who refuses to comply with the said rules and regulations, or who shall, with intent to defraud in any manner, deceive, mislead, or threaten any applicant or prospective applicant, or other person having immediate or prospective business before the office, by word, circular, letter, or by advertising. The reasons for any such suspension or exclusion shall be duly recorded. And the action of the commissioner may be reviewed upon the petition of the person so refused recognition or so suspended or excluded by the Supreme Court of the District of Columbia under such conditions and upon such proceedings as the said court may, by its rules determine.

AMENDMENT TO REVISED STATUTES, SECTION 4883.

The act of February 18, 1922, amends section 4883 of the Revised Statutes to read as follows:

SEC. 4883. All patents shall be issued in the name of the United States of America, under the seal of the Pat-

(Continued on page 889.)

Issue of February 28, 1922.

Patents.....	738—No. 1,407,688 to No. 1,408,425, inclusive.
Designs.....	22—No. 60,483 to No. 60,501, inclusive.
Trade-Marks.....	315—No. 152,334 to No. 152,648, inclusive.
Labels.....	35—No. 24,129 to No. 24,163, inclusive.
Prints.....	22—No. 5,992 to No. 6,013, inclusive.
Reissues.....	6—No. 15,292 to No. 15,297, inclusive.
T. M. Renewals.....	16
Total.....	1154

Classification Bulletin.

Classification Bulletin No. 47, containing the revision made during the period from July 1 to December 31, 1921, is now out. Price 10 cents.

NOTICE.—CHANGES IN PATENT OFFICE FEES—EFFECTIVE APRIL 19, 1922.

Department of the Interior,
United States Patent Office,
Washington, D. C., February 18, 1922.

The act of Congress approved February 18, 1922, amends section 4934, Revised Statutes, so as to provide a fee on filing each original application for a patent, except in design cases, of \$20 instead of the present fee of \$15.

The act also provides, in addition to the present fees for recording assignments or other papers, that there shall be paid for each additional patent or application included or involved in one writing, where more than one is so included or involved, 25 cents additional.

These new fees are effective on and after April 19, 1922.

Applications for patent, except in design cases, received on or after April 19, 1922, with only \$15 filing fee will not be entered, but will be given a filing date and serial number as of the day the full fee of \$20 is received by the Office.

Condition of Applications Under Examination at Close of Business February 18, 1922.

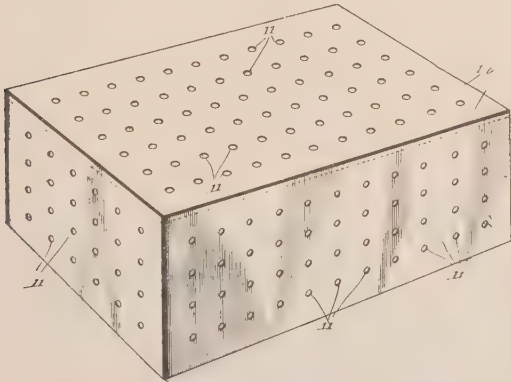
(Total number of applications waiting action, excluding Trade-Mark division, 62,925; Trade-Mark division, 6,702. Oldest new case, Jan. 10; oldest amended, Mar. 3, 1921.)

Room No.	Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
		New.	Amended.	
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plows; Planting; Scattering Unloaders.	Aug. 29	Sept. 2	873
128	2. BALDWIN, M., Bee Culture; Dairy; Medicines; Pneumatics; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco; Trees, Plants, and Flowers.	Apr. 6	May 6	1,892
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	June 3	May 5	1,070
234	4. MERRITT, A. D., Conveyers; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Hoisting; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Apr. 15	Sept. 9	1,643
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Apr. 20	May 14	1,028
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	June 17	Aug. 20	1,001
312	7. JARBOE, C. G., Games and Toys; Optics; Photography; Velocipedes.	June 11	Sept. 6	2,186
133	8. CLIFT, J. W., Beds; Chairs and Seats; Flexible-Sheet-Securing Devices; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	Nov. 25	Jan. 16	595
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Feb. 7	Dec. 9	1,011
235	10. MITCHELL, T. H., Land Vehicles; Land Vehicles, Animal Draft Appliances; Land Vehicles—Bodies and Tops; Land Vehicles—Dumping; Land Vehicles, Wheel Substitutes; Motor Vehicles.	July 9	Nov. 9	1,271
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	Oct. 15	Oct. 31	561
322	12. PIERCE, P. F., Machine Elements.	Aug. 8	Dec. 1	996
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Tools and Implements, Making; Metal Working; Needle and Pin Making; Turning.	Feb. 26	Nov. 8	1,905
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire-Working.	Apr. 9	Dec. 17	830
308	15. REDROW, W. L., Bread, Pastry, and Confection Making; Glass; Laminated Fabrics and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Mar. 9	Apr. 21	1,928
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony.	Mar. 1	Mar. 28	1,903
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet Feeding or Delivering; Type Setting.	May 16	Oct. 14	1,184
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansive-Chamber Type; Power Plants; Speed-Responsive Devices; Steam and Vacuum Pumps.	Feb. 20	Apr. 15	2,101
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Domestic Cooking Vessels; Thermostats and Humidistats.	Feb. 21	June 1	1,184
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Cutlery; Dentistry; Locks and Latches; Safes; Undertaking.	Aug. 1	Sept. 12	1,697
212	21. THURBER, W. L., Continuous-Strip Feeding; Textiles; Textiles, Braiding, Netting, or Lace Making; Textiles, Cloth Finishing; Textiles, Fiber Preparation; Textiles, Knitting; Textiles, Spinning; Textiles, Twisting or Twining; Textiles, Weaving; Winding and Reeling.	Apr. 14	Sept. 22	829
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making.	Aug. 8	Nov. 16	511
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Horology; Recorders; Registers; Sound Recording and Reproducing; Time-Controlling Mechanism.	Feb. 16	Aug. 1	879
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Apr. 20	Oct. 7	1,180
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable Cutters and Crushers; Gas Separation.	Nov. 7	Dec. 8	379
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	June 8	Aug. 23	898
214	27. ANDERSON, L. S., Abrading; Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	May 28	Aug. 8	1,776
225	28. BENSON, R., Internal-Combustion Engines.	Mar. 14	June 6	1,744
147	29. MORRIS, B. N., Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	May 20	Nov. 18	749
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Typewriting Machine.	Aug. 1	Nov. 7	1,537
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Fuel and Igniting Devices; Gas, Heating and Illuminating; Hides, Skins, and Leather; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar and Salt.	Mar. 3	Apr. 26	2,095
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.	Apr. 1	Nov. 3	1,053
70	33. COWLES, W. A., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs.	June 16	Oct. 3	844
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Nov. 26	Dec. 21	341
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Oct. 19	Nov. 1	785
204	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	Sept. 10	Aug. 18	1,570
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	May 7	May 9	1,794
378	38. IDE, C. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	Aug. 9	Aug. 13	1,363
220	39. COWLES, W. W., Fluid-Pressure Regulators; Joint Packings; Multiple Valves; Packed Shaft or Red Joints; Pipe Joints or Couplings; Red Joints or Couplings; Valved Pipe Joints or Couplings; Valves; Water Distribution.	Jan. 10	Apr. 17	2,226
273	40. OBERLIN, J. J., Baggage; Bottles and Jars; Check-Controlled Apparatus; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Mar. 10	May 11	2,761
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels.	Sept. 2	Sept. 10	797
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps.	Apr. 1	Apr. 16	1,708
382	43. HOPKINS, F. M., Baths and Closets; Dispensing; Dispensing Beverages; Electricity, Medical and Surgical; Fire Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.	Apr. 1	Mar. 28	1,775
253	44. SHAFFER, C. H., Air Guns, Catapults, and Targets; Boats and Buoys; Filling and Closing Portable Receptacles; Marine Propulsion; Railway Draft Appliances; Refrigeration; Ships.	May 23	Nov. 14	537
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices.	July 25	Oct. 27	1,149
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	June 18	Aug. 15	1,333
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems.	Apr. 25	Sept. 1	1,312
118	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications.	Jan. 26	Mar. 3	2,143
153	Trade-Marks, Designs, Labels and Prints: T. L. MEAD, JR.	Aug. 13	Dec. 3	4,125
	Trade-Marks, Designs, Labels and Prints.	July 6	July 6	2,518
	Trade-Marks, Designs, Labels and Prints.	Feb. 13	Feb. 3	59

PATENTS

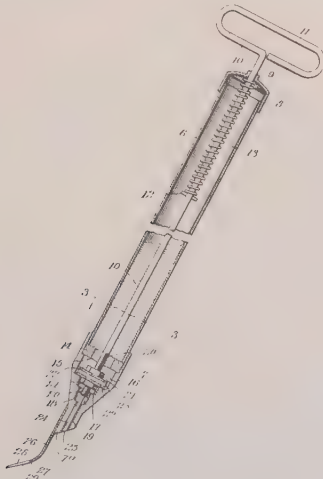
GRANTED FEBRUARY 28, 1922.

1,407,688. CONTAINER. GEORGE R. BANTON, Butternut, Mich. Filed Apr. 8, 1919. Serial No. 288,496. 2 Claims. (Cl. 220—83.)



2. A container comprising a receptacle having apertured walls and inwardly projecting studs or lugs spaced around the apertures and formed by bending on punching the material inwardly in the formation of said apertures to space the contents of the container from the apertures and provide air entrances between the studs or lugs.

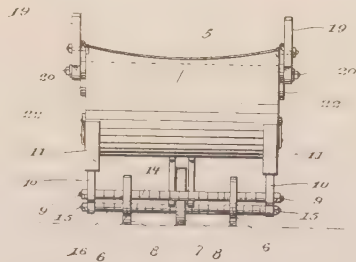
1,407,689. WEED EXTERMINATOR. CLYDE A. BATTERSON, Hastings, Nebr. Filed Sept. 14, 1920. Serial No. 410,267. 2 Claims. (Cl. 47—37.)



1. In an implement of the class described, a barrel adapted to hold liquid, a disk at the lower end of the barrel and partly closing said end, a nozzle member enclosing said disk and said barrel end and holding the disk in position, said disk having a central aperture, a rod reciprocable within the barrel and having a valve fast thereto, said valve being seated on the lower face of the disk when the rod is pulled upwardly, a bore provided in the nozzle section and furnishing a second valve seat opposing the disk, a counterbore of reduced diameter

leading off from the bore, a second counterbore leading off from the first counterbore and being of less diameter than the first counterbore, and a discharge vent connected with the lower end of the second counterbore, said rod having an extension beyond the valve, said extension being reciprocable within the discharge vent.

1,407,690. WHEELBARROW. WILBUR F. BERRY, Chicago, Ill. Filed Jan. 3, 1921. Serial No. 434,540. 4 Claims. (Cl. 280—54.)



4. A wheelbarrow comprising a body, a main wheel supporting the body, a pair of laterally spaced auxiliary wheels in front of and a pair to the rear of the main wheel, axles carrying the pairs of auxiliary wheels, a vertically adjustable support for the axles of the auxiliary wheels, and means for varying the spacing of the auxiliary wheels on their axles.

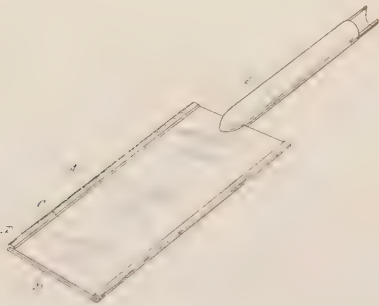
1,407,691. PIPE WRENCH. WALTER L. BOCKOVER, Tipton, Ind., assignor of one-third to John W. McNamara and one-third to Henry J. O'Neill, Tipton, Ind. Filed Sept. 15, 1921. Serial No. 500,749. 1 Claim. (Cl. 81—91.)



A wrench including a handle portion having spaced arms, the free ends of the arms being formed with offset portions, a jaw having an elongated opening, a pivot

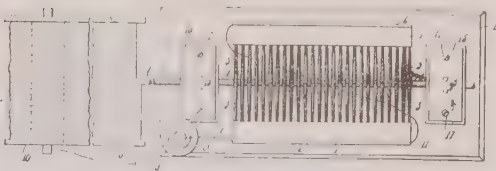
pin connecting the arms and passing through the elongated opening to connect the jaw to the handle, an outer jaw including spaced arms, the ends thereof having connection with the arms of the handle portion at the offset portions thereof, the first mentioned jaw being pivotally supported between the spaced arms of the outer jaw, and teeth formed on the jaws.

1,407,692. HEATING UNIT FOR ELECTRICALLY-HEATED TOOLS. FRANK KUHN, LAWRENCE H. THOMAS, and JULES G. SPIESS, Detroit, Mich., assignors to American Electrical Heater Company, Detroit, Mich., a Corporation of Michigan. Filed May 27, 1920. Serial No. 384,514. 5 Claims. (Cl. 219-19.)



1. A heating unit comprising a flat insulated resistor, terminals leading therefrom, an armor comprising plates clamped upon opposite sides of said insulated resistor, and integral extensions of said plates forming segments of tubes for enclosing said terminals.

1,407,693. INSULATION-TESTING DEVICE. JOHN ALLEN HEANY, New Haven, Conn., assignor, by mesne assignments, to Rockbestos Products Corporation, a Corporation of Delaware. Filed Dec. 6, 1918. Serial No. 265,535. 6 Claims. (Cl. 175-183.)

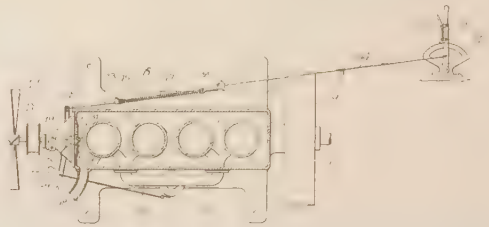


1. In an insulated-conductor testing-apparatus having an indicating circuit including a source of electricity and a signaling device, a contact device in the form of a plurality of tufts of wire having an oppositely-disposed relation to an interposed section of conductor with which the free ends of the tufts make contact.

1,407,694. INTERNAL-COMBUSTION ENGINE. ROBERT O. HENDRICKSON, Racine, Wis., assignor to J. I. Case Plow Works Company, Racine, Wis., a Corporation of Delaware. Filed Feb. 9, 1920. Serial No. 357,176. 7 Claims. (Cl. 123-108.)

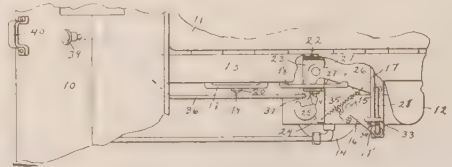
1. In a device of the class described an internal combustion engine having a water jacket, there being an opening in the wall of the jacket, a diaphragm closing the opening, a connection arranged to direct the flow

of water substantially along the face of the diaphragm and between the same and the engine cylinder, a valve



controlling the supply of combustible mixture to the engine, and connections from the diaphragm to the valve for controlling the latter.

1,407,695. FOOT-OPERATED ACCELERATOR. GEORGE D. LAWSON, Pocahontas, Iowa. Filed Aug. 16, 1920. Serial No. 404,032. 2 Claims. (Cl. 74-39.)

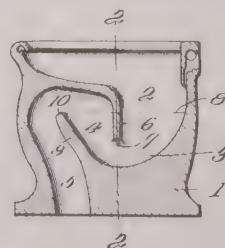


2. In a motor vehicle having an engine block, a carburetor located at one side thereof, and a manifold connecting said carburetor and engine block and attached to the latter by securing means, an accelerator comprising a supporting bar having a straight vertical portion adapted to be secured to said engine block by said manifold securing means and also formed with an inclined portion adapted to extend laterally beneath a portion of said manifold and also having a horizontal portion at the lower end of said inclined portion adapted to extend outwardly above said carburetor, a lever fulcrumed on said horizontal portion, a foot-operated rod for oscillating said lever in one direction, a spring for oscillating said lever in the opposite direction, and a link pivotally connecting said lever to the throttle lever of said carburetor.

1,407,696. MANUFACTURE OF ARTIFICIAL GOODS FROM VISCOSE. MAX LUFT, Boras, Sweden. Filed Mar. 9, 1920. Serial No. 364,542. 3 Claims. (Cl. 106-40.)

1. The improvement in the manufacture of artificial goods from viscose consisting in the addition of acids of naphthenes to the solution of viscose for the purpose described.

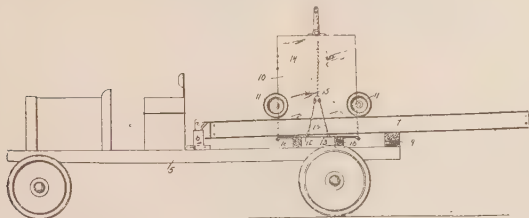
1,407,697. TRAP. GEORGE FRANCIS LYNDE, Chattanooga, Tenn. Filed Oct. 4, 1920. Serial No. 414,576. 3 Claims. (Cl. 182-12.)



1. A liquid sealed trap including a basin, inlet and outlet passageways having their lower ends connected to the ends of the basin, a vertical partition separating

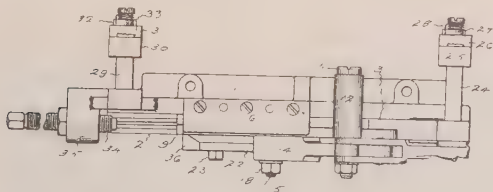
said passageways and having parallel side surfaces which extend from the basin to a position above the water line of the trap, the lower edge of said partition being relatively narrow and being arranged at the top of the basin, all of the inner surfaces of said passageways with the exception of the portions formed by said partition, being gradually inclined outwardly and upwardly from said basin to a line substantially coincident with the water line of the trap.

1,407,698. TRUCK FOR TRANSFERRING CONCRETE. GEORGE H. MACLEAN, New Haven, Conn. Filed Aug. 2, 1921. Serial No. 489,324. 2 Claims. (Cl. 298—24.)



1. A truck for transferring concrete, comprising a truck-body, an elevating-device mounted thereon, a pair of tracks engaged by the elevating-device and projecting beyond the rear end of the body, a container mounted on rollers adapted to bear upon said tracks, and means for opening and closing the bottom of the container.

1,407,699. AUTOMATIC FEED FOR PUNCH PRESSES. JOHN MARIAN, Hartford, Conn. Filed Apr. 9, 1921. Serial No. 460,058. 12 Claims. (Cl. 164—88.)

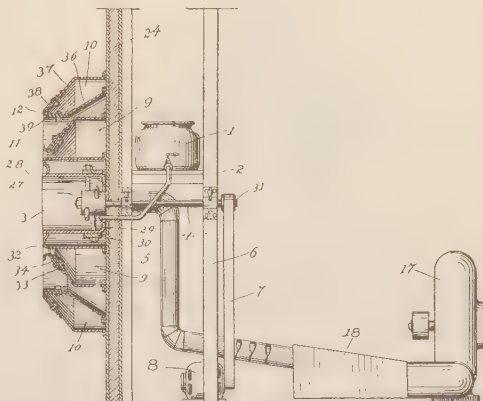


1. An automatic feed for attachment to punch presses comprising a body, a track plate fastened to the front face of the body, a slide movable along said track, means for retaining the slide on the track against the body, a spring for retracting the slide, a lever pivoted to the body and provided with means adapted to be engaged by a part of the press to which the mechanism is to be applied, a link pivoted to the lever and yieldably and adjustably connected with the slide, a pair of feed jaws carried by said slide, and a pair of holding jaws mounted on the body.

1,407,700. PROCESS OF FORMING FUEL. DONALD MARKLE, Hazleton, Pa. Filed Mar. 22, 1920. Serial No. 367,702. 2 Claims. (Cl. 44—1.)

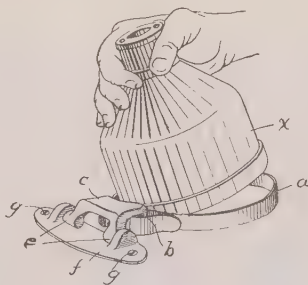
2. The process of producing a homogeneous non-cellular carbonaceous fuel which consists in forming a mixture of anthracite slack and coking bituminous coal in the proportion of not less than 60 per cent of anthracite and not more than 40 per cent of bituminous, grinding the mixed coals together to such fineness that 85 per cent of the mass will pass through a 40 mesh screen and 95 per cent thereof through a 20 mesh screen, and at the same time intimately mixing the components, charging the mixed mass without compacting into a retort and heating it to such temperature as to soften the bituminous particles and drive off their volatile elements.

1,407,701. APPARATUS FOR THE DRYING OF LIQUIDS AND SEMILIQUIDS. JOHN C. MILLER, Covington, Ky., assignor to The Evaporating and Drying Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 10, 1918. Serial No. 233,745. 4 Claims. (Cl. 127—9.)



1. In an apparatus of the character specified, the combination with a cylinder having an open end, and means for rotating same at a high rate of speed, of a casing surrounding the open end of the cylinder, with an annular opening therefor, means for adjusting the width of the opening, means for delivering the material to be treated upon the internal surface of the cylinder during the rotation thereof, and means for injecting a current of air through the annular opening transverse the material delivered centrifugally from the open end of the cylinder.

1,407,702. BOWL CLAMP. THEODORE H. MILLER, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed July 5, 1919. Serial No. 308,879. 4 Claims. (Cl. 81—3.1.)

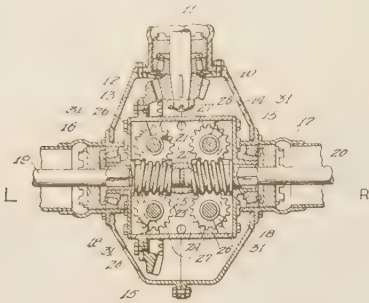


1. An automatically acting holder for a bowl adapted to prevent the bowl from continuing to turn during the nut loosening operation tending to turn it, comprising a flexible loop adapted to encircle the bowl, and fixedly anchored means adapted, as the bowl is initially turned by manual force, to automatically cooperatively act with the bowl and loop to contract the loop upon and cause it to grip the bowl.

1,407,703. DIFFERENTIAL GEARING FOR AUTOMOBILE DRIVING AXLES. WILLIAM ALEXANDER MOIR, Burwood, near Sydney, New South Wales, Australia. Filed Jan. 19, 1921. Serial No. 438,313. 3 Claims. (Cl. 74—99.)

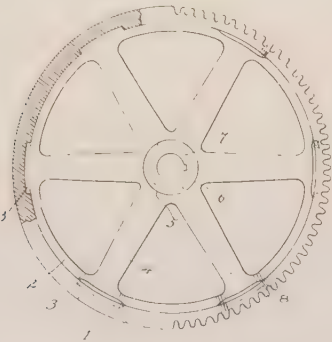
1. Differential axle gear, comprising a worm head on either axle end, worm wheels meshed respectively with said worms, said worm wheels rotatably mounted in a

carrier-rotatable about the axle axis and having the driving crown wheel fixed to it, and means for limiting



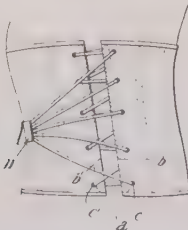
the degree of rotation of said worm wheels, and thereby locking said wheels with the axle worms with which they are respectively engaged.

1,407,704. PROCESS OF FORMING GEARS AND THE LIKE. THOMAS B. MORRIS, Cincinnati, Ohio. Filed Apr. 29, 1919. Serial No. 293,547. 4 Claims. (Cl. 29—174.)



1. The process of uniting rims with inner members of a metallic body, which consists in forming the inner members with their rim contacting portions to fit flush with the inner periphery of the rim and then compressing the rim over said inner members whereby no air pockets and no lateral spaces are permitted between the inner members and the rim.

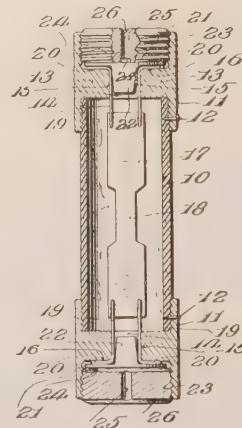
1,407,705. BELT-LACED GARMENT. CHARLES MUNTER, New York, N. Y. Filed Dec. 5, 1917. Serial No. 205,625. 6 Claims. (Cl. 2—188.)



1. An article of wearing apparel provided with openings at the sides thereof, eyelets adjacent one edge of each side opening, a pair of complementary belt sections, a plurality of laces equal in number to the number of eyelets of one side opening, each secured at one of its ends to one

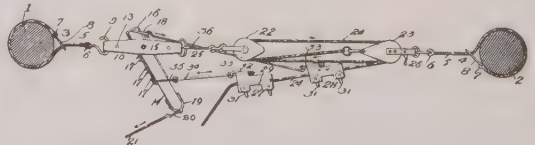
belt section, thence extended directly to and through one of the eyelets and secured to the opposite edge of the corresponding side opening, a plurality of additional laces similarly positioned and arranged at the other side opening and secured to the other belt section, whereby when the belt sections are drawn taut there is insured the placing of the desired tension on all of the laces for the purpose of simultaneously adjusting both side openings to bring the garment into conformity with the figure of the wearer.

1,407,706. RENEWABLE FUSE. WALTER O. SMITH and JOSEPH E. GRENAME, New Bedford, Mass., assignors to Ree-Nu-It Electric Manufacturing Company, New Bedford, Mass. Filed Sept. 7, 1918. Serial No. 253,074. 2 Claims. (Cl. 200—132.)



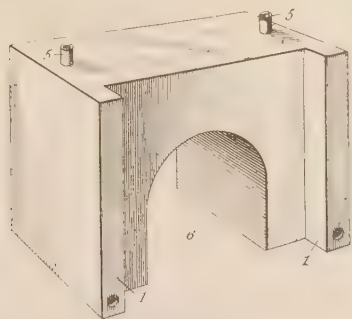
1. A fuse comprising a barrel, a ferrule fixed on each end of the barrel and each having an internal flat-sided slot, a fuse link extending through the barrel and having bendable terminals each projecting into the slot in the adjacent ferrule, flat-sided wedge members each having a block standing in a slot alongside a terminal and a head standing within the outer end of the ferrule and bearing against the extremity of a terminal, and a member screwed to said outer end and contacting with said head for urging the wedge member inward.

1,407,707. STUMP-PULLER AND GRUBBING APPARATUS. SAMUEL H. SNUFFER and JESSE A. SHANKS, Daniels, W. Va. Filed Mar. 10, 1921. Serial No. 451,381. 6 Claims. (Cl. 254—65.)



1. In an apparatus of the class described, the combination of a pair of fastening devices, a yoke-frame attached to one of said fastening devices, a lever pivotally mounted within said frame, pulley blocks provided with a cable connected to the other fastening device, gripping devices on said cable, means fixedly connecting one of the gripping devices to one end of said lever, and means adjustably connecting the other gripping device to the lever intermediate its ends.

- 1,407,708. FURNACE-DOOR FRAME. JOHN THORNTON, Youngstown, Ohio. Filed Dec. 8, 1920. Serial No. 429,154. 13 Claims. (Cl. 263-44.)



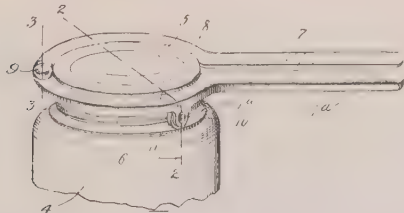
1. A furnace door-frame standing outside of the wall of the furnace, and having a charging-port provided at its inner end with a projecting flange or projection.

- 1,407,709. STAPLE STRIP. ALBERT D. TIBBALS, St. Louis, Mo. Filed Mar. 19, 1920. Serial No. 367,248. 10 Claims. (Cl. 85-17.)



1. A staple strip comprising a series of connected staples, and there being a continuous longitudinally disposed groove formed in the main body portion of said strip, said groove being formed by compressing the metal of the strip.

- 1,407,710. DEVICE FOR APPLYING, REMOVING AND SEALING JAR COVERS OF MASON JARS. JOSEPH T. TILLMAN and PHILIP SCHWEICH, Minneapolis, Minn. Filed Mar. 5, 1921. Serial No. 450,065. 2 Claims. (Cl. 81-15.)

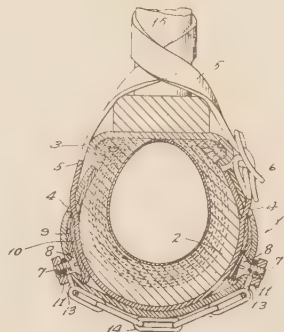


1. A device for applying, removing and sealing Mason jar covers comprising a pair of levers pivotally connected at one end and provided, adjacent their pivoted ends, with cover-clamping segments, one of said segments having a depending ear out of line of the levers and a roll journaled thereto and positioned to engage the edge flange of the jar cover when said clamping segments are applied to the top portion of said cover, said ear being obliquely set and said roll having a conical periphery.

- 1,407,711. ANTISKID DEVICE. JOHN THOMAS PEED, Pasadena, Calif. Filed Dec. 17, 1917. Serial No. 207,804. 3 Claims. (Cl. 152-14.)

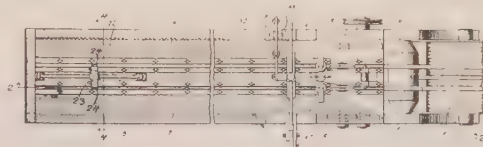
1. An anti-skid device comprising a flexible backing adapted to be removably attached to the wheel of a vehicle; anti-skid chains adapted to be removably attached on the outside of said backing; a flexible connection for attaching and detaching the backing to the periphery of

the wheel; bolts extending through the backing near both sides thereof, each pair of bolts at opposite sides of the backing being adapted to hold the ends of a respective chain; and nuts adapted to be screwed on the bolts for securing the anti-skid chains to the backing, said nuts



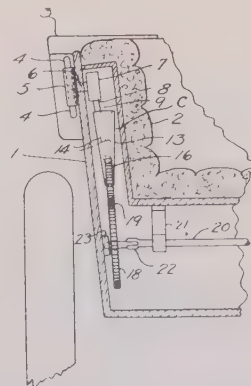
being adapted to serve as auxiliary anti-skid means that can be quickly and easily attached to or removed from said backing without necessitating the loosening of the backing when attached to the periphery of the wheel, and a reinforcement fastened to and between said nut and bolt connections to avoid destruction of a tire on said wheel.

- 1,407,712. BEAD-CUT-OFF MACHINE. WILLIAM C. STEVENS and EDWARD D. PUTT, Akron, Ohio, assignors to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed May 21, 1918. Serial No. 235,847. 9 Claims. (Cl. 164-49.)



1. In a machine of the character set forth, a guideway to support the material to be cut, a stop at one end of the guideway, a knife at the other end of the guideway, means to operate the knife, a member movable to clamp the material, and means to operate said clamping member controlled by the stop.

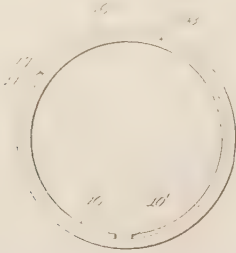
- 1,407,713. ANGLING DEVICE FOR AUTOMOBILES AND OTHER USES. DELTON C. WATT, Danville, and FREDERICK A. GREARSON, Barre, Vt. Filed June 22, 1917. Serial No. 176,321. Renewed Jan. 12, 1922. Serial No. 528,818. 1 Claim. (Cl. 74-7.)



The combination of a pair of non-parallel shafts, an arm fixed on one of said shafts, a socketed member re-

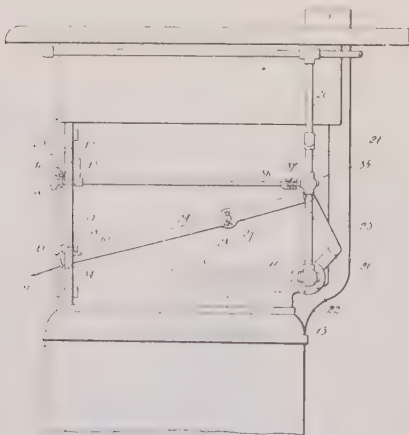
ceiving said arm and having pivotal movement with respect thereto, a gear fixed to the other shaft and a segmental gear fixed to the socketed member and meshing with the first named gear.

1,407,714. PISTON RING. LEE WHITCOMB, Plainfield, Ill. Filed Mar. 28, 1921. Serial No. 456,444. 1 Claim. (Cl. 74—109.)



A piston packing consisting of a split spring ring body having its thinnest portion at approximately midway between the split and a point diametrically opposite the split, and its thickest portion diametrically opposite the thinnest portion, the outer peripheral face of the ring body being formed with an outstanding central rib which produces channels at opposite sides thereof, the channel at one side of the rib being deepest at the thinnest portion of the ring body and the opposite channel shallowest at such portion of the body, while the diametrically opposite portion of the first channel is shallowest at the thickest portion of the body and the other channel deepest at such portion, and rings in the channels.

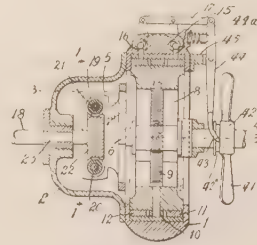
1,407,715. COMBINATION COAL AND GAS RANGE. CLARENCE F. WILEY, Taunton, Mass., assignor to Magee Furnace Company, Inc., Boston, Mass., a Corporation of Massachusetts. Filed July 11, 1918. Serial No. 244,491. 11 Claims. (Cl. 126—36.)



1. A combination coal and gas range having an oven, a burner pivotally mounted to turn within the oven and assume either an upturned out-of-the-way position or a down-turned operative position, a pipe connection through which gas is supplied to the burner, a valve therein for controlling the supply of gas, a lever for turning the burner within the oven accessible from the front of the range, a turn-rod connecting with said valve accessible from the front of the range for controlling the supply

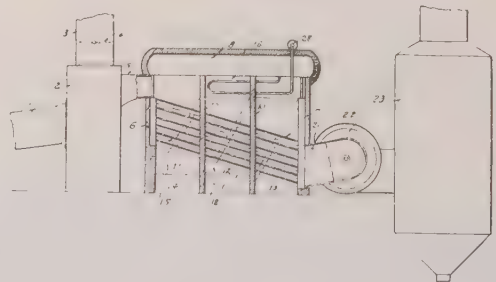
of gas to the burner, and a finger carried by said rod and engaging said lever to prevent the opening of said valve when said burner is in its upturned out-of-the-way position, said finger coordinating, also, with said lever in manner whereby the lever may automatically close said valve when the lever is moved for turning said burner from a downturned to an upturned position.

1,407,716. SPEED-CHANGE MECHANISM. ROBERT E. WINTERS, Coraopolis, Pa., assignor of one-half to Anthony E. Dean, Pittsburgh, Pa. Filed Mar. 17, 1920. Serial No. 366,490. 9 Claims. (Cl. 74—89.)



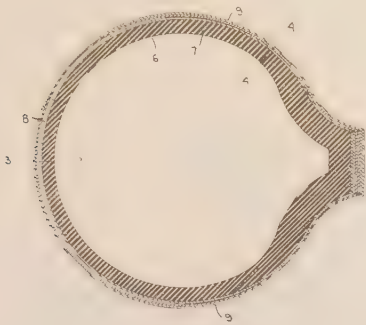
1. In a speed change mechanism a pitman, means for reciprocating said pitman racks on said pitman, a power shaft, a gear on said power shaft meshing with said racks, a governing shaft arranged to be rotated by reciprocation of said pitman, gears on said racks, gears on said governing shaft meshing with each of said rack gears, and means on said shaft arranged to rotate said gears alternately during alternate strokes of the pitman.

1,407,717. MEANS FOR UTILIZING WASTE FURNACE GASES. GUSTAV A. WITTE, Philadelphia, Pa., assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed Apr. 8, 1919. Serial No. 288,653. 1 Claim. (Cl. 122—7.)



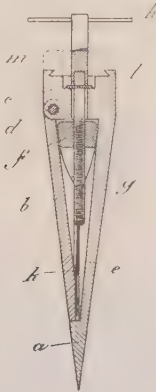
A waste heat boiler for utilizing the heat of furnace gases containing suspended material, comprising a casing, boiler tubes mounted therein and formed as non-vertical water tubes, vertical walls within said casing dividing the space within the casing into a series of vertically extending passages, an external connection from the lower part of each of said passages to the upper part of the next succeeding passage, and inlet and outlet connections for the first and last of said passages whereby the hot gases are caused to pass downwardly in each of said passages in contact with the boiler tubes extending therein.

1,407,718. EXPANSIBLE CORE FOR VULCANIZING TIRES. HARVEY J. BITTAKER, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed May 6, 1920. Serial No. 379,306. 10 Claims. (Cl. 18—45.)



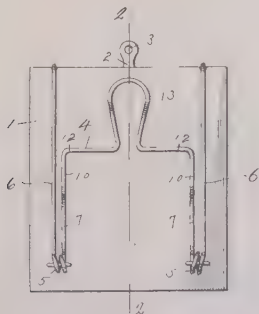
1. In an apparatus for vulcanizing tires under internal pressure, an expansible core for insertion in the tire, said core having a smooth external surface, a plurality of fabric layers in said core, said layers being united near the beads, but separated at the tread portion of the bag.

1,407,719. CLEAVING WEDGE. HANS BONER, Madulein, Switzerland. Filed May 10, 1921. Serial No. 468,350. 5 Claims. (Cl. 254—104.)



1. A cleaving wedge, comprising a pair of interconnected relatively movable wedge members having a space therebetween, a wedge in said space, means for reciprocating the wedge in the space, and resilient means tending normally to draw the wedge members towards each other.

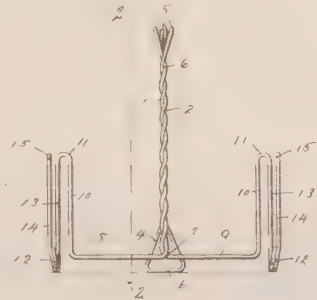
1,407,720. BILL FILE OR ARTICLE HOLDER. OREN K. BOYETT, Doucette, Tex. Filed June 25, 1920. Serial No. 391,681. 1 Claim. (Cl. 24—66.)



A bill file of the class described including a rectangular base member one edge of which is provided with oppositely

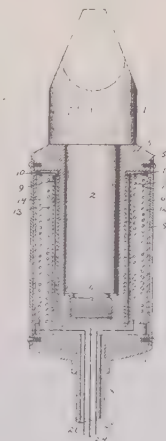
positioned parallel grooves, a clamping member held to said base comprising a wire member made of a single length of spring wire including a centrally positioned U-shaped loop from which extend in opposite directions two stub arms from each of which is continued at an obtuse angle to the plane of said loop two clamping arms each ending in a coil from which are continued two parallel base members each ending in a shoulder portion arranged to lie in one of said grooves, each arm continued in a clamping base ending in a terminal point arranged to be driven into said base to hold said wire members against casual displacement, the diameter of said coils determining the clamping space between said jaw and said base member and means for holding said coils to said base member, all as and in the manner shown.

1,407,721. ARTICLE HOLDER OR STAND. OREN K. BOYETTE, Doucette, Tex. Filed Sept. 18, 1920. Serial No. 411,041. 1 Claim. (Cl. 40—151.)



A symmetrical article holder of the class described made of a single length of wire including a centrally located supporting section comprising two twisted strands which extend from a central terminal loop from which the strands are continued in two coils then in a twisted portion forming the axis of symmetry from which are continued at each side two horizontal portions from which extend upward, two side portions, then retroverted downwardly parallel to said axis of symmetry to form two inner arms each of which terminate at its lower end in a supporting coil then retroverted upwardly to provide a clip arm each of which ends in an outwardly directed finger grip, whereby an article may be supported on said coils and between said side portions and said arms, all substantially as and in the manner shown.

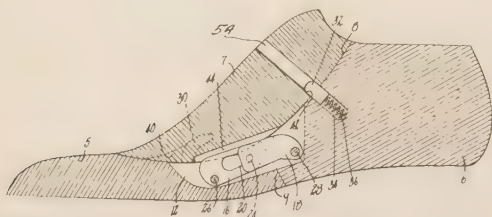
1,407,722. ELECTRIC SOLDERING IRON. WILLIAM A. BRAUN, Dover, Ohio. Filed Oct. 22, 1919. Serial No. 332,503. 2 Claims. (Cl. 219—28.)



1. In a soldering iron, a shell; a soldering tip; a shank of which extends into the shell; two side members each having a finger grip at the bottom; and means for holding said side members against casual displacement, the diameter of said coils determining the clamping space between said jaw and said base member and means for holding said coils to said base member, all as and in the manner shown.

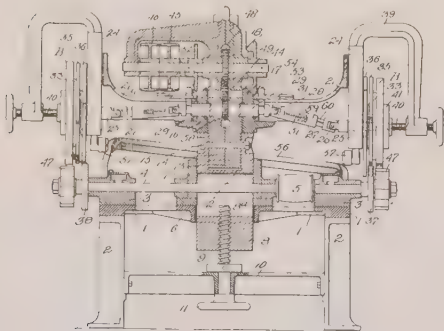
ing coils positioned around the shell; a handle including means for supporting the shell; a switch lever in hinged connection with the handle and forming a movable part thereof; a pair of switch members, one having connection with the lever and the other with the handle proper and being adapted to be brought together by movement of the lever; and feed-wires having direct means of connection with one of said heating coils and through the medium of said switch members with the other heating coil.

1,407,723. SLIDING HINGED LAST. JOHN F. BREEN, Hingham Center, Mass. Filed Mar. 17, 1921. Serial No. 453,093. 6 Claims. (Cl. 12—136.)



1. In a hinged last, the combination of a fore part and a heel part connected together by a hinge made up of two leaves, each of said leaves being pivotally connected to one of said parts and said two leaves being pivotally connected together yet capable of a telescopic movement of the pivot point.

1,407,724. MACHINE FOR SHAPING ARTICLES. GUY B. BROWN, Gardner, Mass. Filed Feb. 15, 1921. Serial No. 445,056. 10 Claims. (Cl. 142—1.)

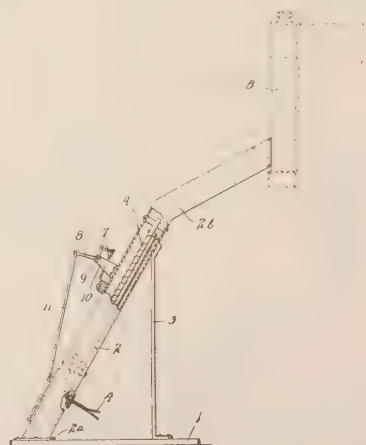


10. A machine of the character described, comprising a shaft carrying two cutters, a plurality of blank clamps intermittently movable in a plane parallel with said shaft, and also rotatable in planes at a right angle thereto, a pair of templates rotatable with each clamp, and supports adjacent to the cutters for said templates.

1,407,725. AUTOMOBILE ELECTRIC HOOD HEATER. HIRAM F. BROWN, Minneapolis, Minn., assignor of one-third to L. E. Brown and one-third to Peter B. Hansen, Minneapolis, Minn. Filed Apr. 25, 1921. Serial No. 464,167. 5 Claims. (Cl. 219—38.)

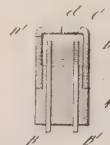
1. An automobile hood heater having in combination, a base portion adapted to rest upon the floor, an upwardly extending conduit the upper end of which is adapted to be disposed parallel to and in close proximity to the radiator of an automobile, a heating device in said conduit said

conduit having an opening adjacent its lower end for the inlet of air, and means for adjusting said opening to main-



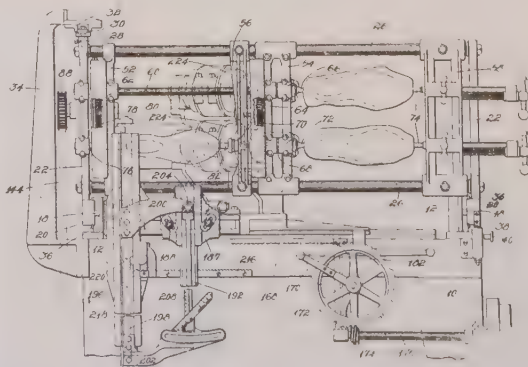
tain a constant delivery of air at the upper end of substantially the same temperature.

1,407,726. THERMOPHONE AND METHOD OF MAKING IT. THEODORE C. BROWNE, Belmont, Mass., and CHARLES F. BRUSH, Jr., Cleveland, Ohio, assignors to American Thermophone Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 26, 1920. Serial No. 376,514. 3 Claims. (Cl. 179—101.)



2. A thermophone receiver comprising an insulating base, posts mounted on said base, a heat-producing member mounted on, and electrically connected to, said posts, and a perforated cap enclosing said posts and said heat-producing member, said heat-producing member comprising a plurality of non-metallic conducting filaments, each connected to two of said posts, and said posts being adapted to serve as terminals for connection with an electric circuit.

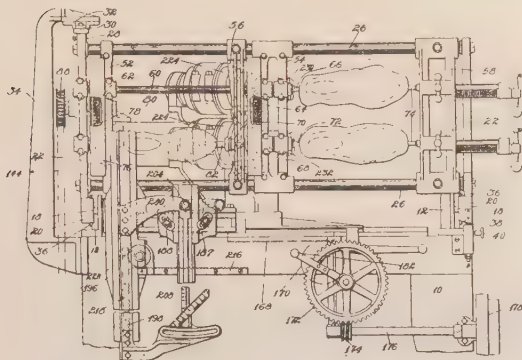
1,407,727. LAST LATHE. FRANK S. BUCK, Springfield, Vt., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me., a Corporation of Maine. Filed Apr. 24, 1919. Serial No. 292,280. 19 Claims. (Cl. 142—15.)



1. In a machine of the class described, a slide frame, a model last holding instrumentality and two block holding

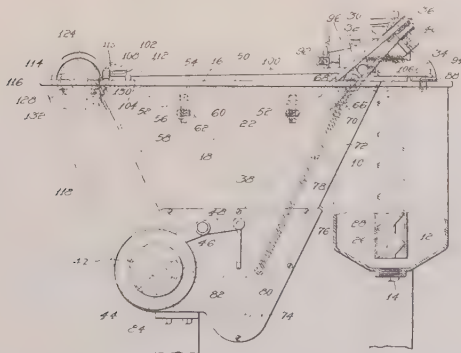
instrumentalities mounted in the frame, a model wheel arranged to co-operate with a model held by the model holding instrumentality, a single bearing block and two cutter heads having approximately the same diameter as the model last mounted in said bearing block for rotary movement with one end of each exposed, arranged to co-operate with the blocks held by the block holding instrumentalities in opposite senses to cut a right and left last from the blocks respectively.

1,407,728. LAST LATHE. LELAND B. WHIPPLE, Rochester, N. Y., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me., a Corporation of Maine. Filed Apr. 24, 1919. Serial No. 292,281. 7 Claims. (Cl. 142—15.)



1. In a machine of the class described, a traversing carriage having a standard, two cutter heads one above the other, mounted in the standard, a slide frame carrying two block holding and rotating means similarly arranged opposite the cutter heads, the cutter heads having a diameter approximately equal to that of a men's model and being arranged to expose one end, model holding and rotating means on the slide frame and a model wheel in relation thereto corresponding with the relation of the cutter heads to the block holding means, the axes of the cutters being separated by approximately twice the diameter of the cutter heads, and a rectilinear slideway for the slide frame perpendicular to the plane of the two block holding means.

1,407,729. COATING APPARATUS. IRA C. BUCKMINSTER, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 21, 1918. Serial No. 267,805. 33 Claims. (Cl. 91—46.)



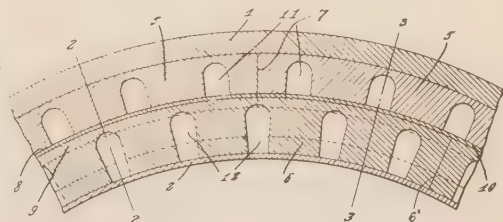
1. In a coating apparatus, a receptacle for coating fluid, and means movable relatively to the receptacle to remove fluid therefrom above a predetermined level.

29. In a coating apparatus, a tank for coating fluid, an applying receptacle situated therein, a conveyor re-

ceiving fluid from the tank and having outlets to the tank and receptacle, and means for removing an excess of fluid from the receptacle for return to the tank.

32. In an apparatus for coating the bottoms of shoes, a receptacle for the coating fluid, a support beneath the surface of the fluid upon which a shoe may rest, and means extending beneath the shoe-support and including a portion at one side of the receptacle arranged to vary the height of the support to determine the line of application of the fluid.

1,407,730. INNER-TUBE CUSHION. JOHN W. BURGESS and GEORGE F. BURGESS, Kansas City, Mo. Filed Apr. 2, 1920. Serial No. 370,875. 1 Claim. (Cl. 152—5.)



In a device of the class described, a rim; a casing mounted on the rim; and a filler in the casing, the filler being made up of outer and inner members, each including sections disposed end to end, the joints between the ends of the sections of the outer member being disposed in break-joint order with respect to the joints between the ends of the sections of the inner member, the outer member having a circumferential groove and the inner member having a circumferential rib received in the groove, the outer member having recesses, and the inner member having recesses, the recesses in one member alternating with the recesses of the other member, circumferentially of the casing; and a refractory strip located in the groove and held therein by the rib, the strip forming a closure for the inner ends of the recesses in the outer member, and the rim constituting a closure for the inner ends of the recesses in the inner member.

1,407,731. TENSION DEVICE. JAHAN G. CARLSON, Rockford, Ill., assignor to Burson Knitting Company, Rockford, Ill., a Corporation of Illinois. Filed Apr. 23, 1920. Serial No. 376,070. 5 Claims. (Cl. 66—9.)

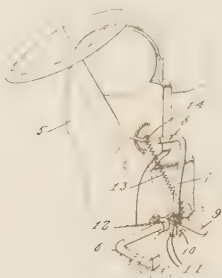


5. A tension device comprising a base, a tension plate resting in the base and having opposed edges beneath which the yarn is successively drawn, the first edge constituting a fulcrum upon which the plate may be tilted by the action of drawing the yarn upwardly over the second edge.

1,407,732. CLUTCH HOLDDOWN FOR FORDSON TRACTORS. ANTON CHRISTENSEN, Hooper, Nebr. Filed July 5, 1921. Serial No. 482,400. 3 Claims. (Cl. 74—81.)

1. In combination with a clutch pedal and dash board of a tractor, a locking arm supported by the clutch pedal

and adapted to move with respect thereto, said locking arm adapted to normally engage one edge of the dash



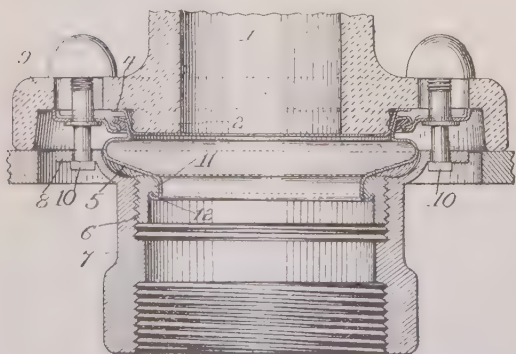
board, and said locking arm adapted to move to a position behind the dash board when the clutch pedal is depressed.

1,407,733. GARMENT BUCKLE. CLARK S. COMSTOCK, Sr., East Orange, N. J. Filed Mar. 27, 1919. Serial No. 285,445. 11 Claims. (Cl. 24—197.)



1. A tongueless frictional slide fastener having a frame and a substantially rigid center bar pivoted to one side of the frame and extending across to the other side of the frame, the pivoted center bar being the only cross piece on said frame.

1,407,734. WATER-CLOSET CONNECTION. JOSEPH J. COSGROVE, Rutherford, N. J., assignor to Cosgrove-Cosgrove Co., New York, N. Y., a Partnership of New York. Filed Sept. 2, 1920. Serial No. 407,657. 2 Claims. (Cl. 179—101.)



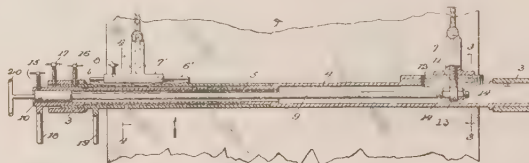
2. A water closet connection comprising a metallic ferrule adapted to receive the outlet projection of a closet bowl, a nipple adapted to be connected to a drain pipe and having an inwardly projecting flange formed with a downwardly projecting shoulder provided with a groove, said groove being filled with solder and the lower edge of the ferrule being spun around said shoulder and the solder being fused to the ferrule and nipple.

1,407,735. BALE MARKER. WALTER P. DANIEL, Austin, Tex. Filed June 7, 1921. Serial No. 475,678. 2 Claims. (Cl. 40—21.)



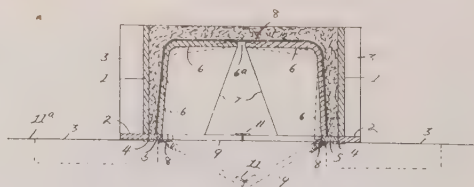
2. A bale marker comprising a plate having a longitudinally extending channel therein and a tongue adjacent each end of the plate, said tongues being punched from the plate and having their bases connected with the parts of the plate at the sides of the channel, said tongues extending in opposite directions.

1,407,736. GLASS-CUTTING MECHANISM. HARRY S. DEPUTY, Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 18, 1919. Serial No. 290,992. 14 Claims. (Cl. 33—32.)



1. In a sheet glass scoring device, an axial support, a cutter mounted on said support, means for adjusting the cutter longitudinally of the support, and means for adjusting the support and cutter circumferentially, both means being operative from one end of the support.

1,407,737. MOLD FOR CONCRETE CHANNELS AND FLOORS. GEORGE R. ELLIOTT, Ecorse, Mich. Filed Sept. 27, 1919, Serial No. 326,814. Renewed Oct. 10, 1921. Serial No. 506,853. 7 Claims. (Cl. 25—131.5.)



1. A core piece for concrete channel molds, comprising a pair of complementary arch-forming members, a flexible connection between said members at the top of the arch, and an adjusting means for said members formed by a pair of bars having opposed ends respectively pivotally connected to the arch-forming members and adjacent ends pivotally engaging each other, said bars being normally aligned to maintain the arch-forming members adjusted for pouring, and being angularly adjustable to swing the arch-forming members toward each other.

1,407,738. PENCIL HOLDER. CHARLES E. ERICKSON, Laredo, Tex. Filed May 26, 1919. Serial No. 299,868. 3 Claims. (Cl. 33—41.)

3. A scribe holder comprising a pair of longitudinally split sleeves, and a bracing member including an interme-

diate portion having substantially semi-cylindrical saddles formed upon its lateral edges and converging toward each



other, said saddles adapted for rigidly receiving said sleeves intermediate the split portions thereof.

1,407,739. HINGE. WILLIAM LEWIS EVANS, Jr., Washington, Ind. Filed Feb. 24, 1921. Serial No. 447,417. 14 Claims. (Cl. 16—152.)

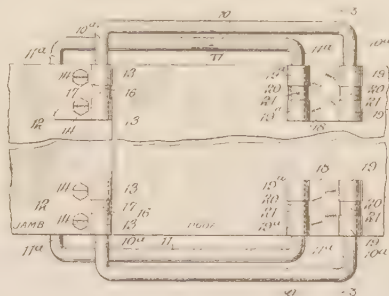


12. The combination with a stationary member, of a movable member, and means for pivotally connecting the movable member to the stationary member, said means being applied to the movable member wholly within the edges thereof, and comprising a pair of arms, a plate secured to the movable member and an angular plate secured to the stationary member in angular relation to the movable member, the ends of the arms being pivotally connected to the respective ends of said plates, the pivotal connections of the arms with the plate of the stationary member being located wholly at one side of the movable member when the latter is in its closed position and at an angle to each other and at different distances from the closed position of the movable member.

1,407,740. HINGE. WILLIAM LEWIS EVANS, Jr., Washington, Ind. Filed Feb. 24, 1921. Serial No. 447,418. 10 Claims. (Cl. 16—152.)

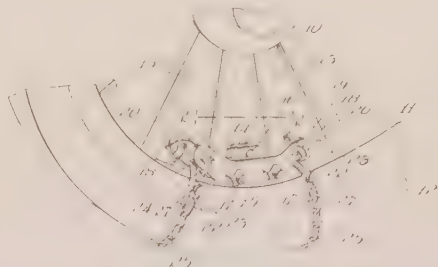
3. The combination with a door and a door jamb, of means for pivotally connecting the door to the jamb, comprising a jamb member having eyes arranged on opposite sides of the jamb, a door plate secured to the face

of the door and having a pair of spaced eyes arranged on the same side of the door, and a pair of swinging arms having their ends bent in the same direction and mounted



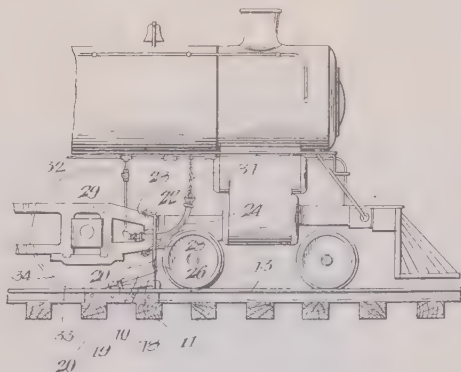
in the eyes of the jamb member and door plate, respectively, said arms being mounted to swing in different horizontal planes, with the straight portions of the arms arranged below the lower edge of the door.

1,407,741. NONSKID CHAIN DEVICE. GEORGE S. EVERHART, Oshkosh, Wis. Filed Nov. 17, 1917. Serial No. 202,631. 6 Claims. (Cl. 152—14.)



5. Means for securing an anti-skid chain to a vehicle wheel, comprising an elongated bar having an edgewise offset end portion provided with an opening for receiving means for securing an anti-skid chain to said bar.

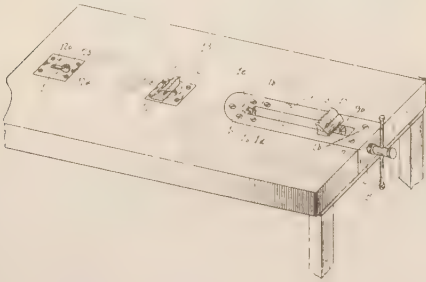
1,407,742. TRAIN-STOPPING DEVICE. MILLS COLLINS FOSTER, Regina, Saskatchewan, Canada. Filed Oct. 29, 1921. Serial No. 511,360. 4 Claims. (Cl. 246—199.)



1. A train stopping device comprising in combination with a track and a locomotive thereon, a frame adapted to fit between the fish-plate and the rail, a rocker-shaft therein, a trip arm on said rocker-shaft, a link mounted on said shaft and connecting with a knife-operating arm slidably secured on the frame, a knife-plate slidably mount-

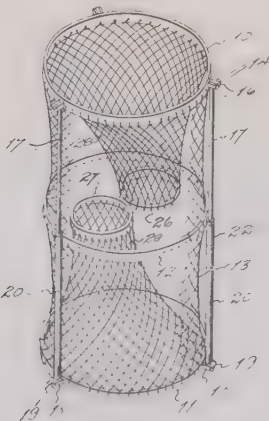
ed on the locomotive, a roller on the lower end thereof adapted to contact with the knife-operating arm, an aperture in said plate, a flexible air tube member adapted to pass therethrough coupled at one end to pipe connecting means with the air-brake system of the train and provided at the other end with a dummy coupler loosely suspended and supported from the locomotive, and means for closing said pipe connecting means.

1,407,743. VISE. WILLI FRANCK, Rock Island, Ill. Filed Nov. 8, 1920. Serial No. 422,453. 2 Claims. (Cl. 144—306.)



1. A work bench vise consisting of a major plate, a stationary revolving screw mounted parallel therewith by means of boxings disposed beneath its ends; a jaw clamp base loosely mounted on the revolving screw; flange means for preventing the jaw clamp base from revolving with the screw; a movable jaw clamp provided with flanged shoulders, a serrated bit and laterally disposed pin fastening means loosely mounted by hole means upon the flange of the jaw clamp base; handle means securely attached to the shank of the stationary revolving screw; boss means securely mounted upon the shank of the revolving screw between the threads and the boxing in which the screw shank revolves; offset means provided in the end of the slot of the major plate for securing therein a stationary jaw clamp; a stationary jaw clamp having a button bottom, a flanged head having a serrated bit at its top, a right-angular neck interposed connectedly between its button bottom and flanged head; other plate means for securing the stationary jaw clamp in the surface of a work bench in such manner as to permit the stationary jaw clamp to act conjunctively with the movable jaw clamp of the vise.

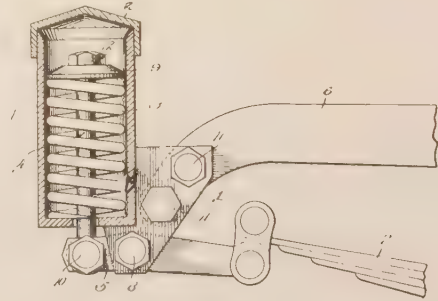
1,407,744. FISH TRAP. ANDY FTYKLO, Braznell, Pa. Filed July 28, 1921. Serial No. 488,126. 1 Claim. (Cl. 43—105.)



A fish trap comprising a pair of rings, a tubular net attached thereto and supported therebetween, pairs of

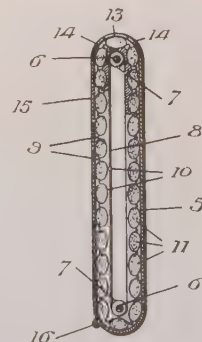
ears arranged in spaced relation on each ring, rod sections pivoted between the pairs of ears, a rotatable socket member on each of the rod sections, one of said socket members having a bayonet slot therein, and pins extending through each opposite rod section and adapted to enter the bayonet slot.

1,407,745. SHOCK-ABSORBING APPARATUS. TIMOTHY A. GANNON, Somerville, Mass. Filed Apr. 19, 1920. Serial No. 375,158. 1 Claim. (Cl. 267—17.)



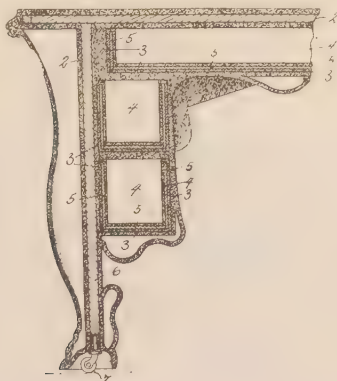
In a shock absorber for vehicles, the combination of a casing rigid with the frame of the vehicle, a cap screwed on upper end of said casing, a rigid annular spring abutment formed on the inner wall of said casing, a slidable spring abutment within said casing, a spiral spring vertically positioned within said casing and bearing at its lower end against said rigid annular spring abutment, two parallel projections extending from the lower end of said casing, a fulcrum-pin passing through apertures in said parallel projections, a rocking lever provided with a long and a short arm pivoting on said fulcrum-pin and connected at its long end to the vehicle spring, an operative connection between the short arm of said rocking lever and said slidable spring abutment.

1,407,746. CIGARETTE CASE. WILLIAM P. J. HAGARTY, Avon, S. D. Filed June 24, 1920. Serial No. 391,424. 1 Claim. (Cl. 206—21.)



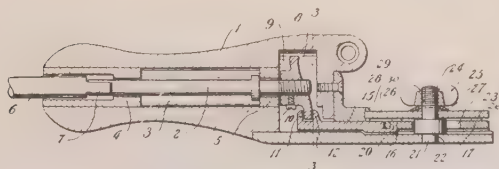
A device of the character described, comprising a flat case, rollers mounted in the case adjacent to the ends thereof, means for turning one roller, and an endless belt of rubber or similar material extending around said rollers and having transverse ribs on its outer surface forming grooves for snugly holding cigarettes or similar articles to be moved with the belt, said ribs being separated slightly at the points where the belt extends around the rollers, the case having a transverse slot at one end beyond one roller for removing the cigarettes or articles.

1,407,747. ARTIFICIAL-FIBER-WOOD CONSTRUCTION. LOUIS HAVASY, Los Angeles, Calif. Filed June 24, 1920. Serial No. 391,541. 2 Claims. (Cl. 154—45.9.)



1. In the construction of furniture, the combination with a composition containing fifty-six parts vegetable fiber, thirty-four parts magnesite, ten parts asbestos mixed with magnesia chloride 22° Baumé, to requirements for pouring, pasting or molding, and a wooden frame coated with a composition containing forty parts lime, twelve and one half parts cooking salt, fifteen parts alum, and thirty-two and one-half parts wolframate of sodium.

1,407,748. HAIR-CUTTING APPARATUS. OTTO HERMANN, Springfield, Mass., assignor to Supreme Electric Hair Cutter Corporation, Springfield, Mass., a Corporation of Massachusetts. Filed Mar. 4, 1920. Serial No. 363,263. 3 Claims. (Cl. 30—1.)

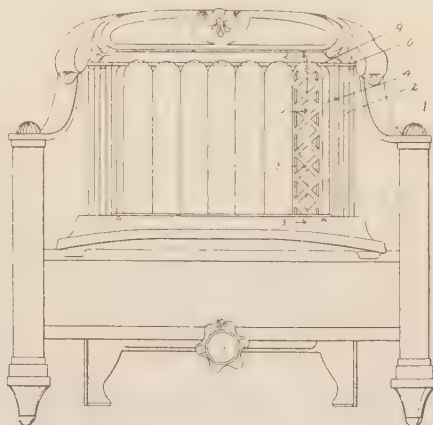


1. In a hair cutting apparatus; the combination of an enclosing casing which serves as a handle for the apparatus, a driving shaft located therein, two cutting plates formed with projections arranged one above the other, the lower plate being stationary and the upper plate being provided with an elongated slot, a pin extending upwardly from the lower plate and provided with an enlargement intermediate its ends for engagement in the slot in the upper plate, a top plate above the upper cutting plate and provided with an opening to receive the pin of the lower cutting plate, a spring on the pin above the top plate and a nut on the pin above the spring for forcing all three of the plates together and a bracket connecting the top plate with the enclosing casing and having a sliding engagement therewith.

1,407,749. FLOTATION AGENT AND METHOD OF MAKING SAME. ALCAN HIRSCH and MARX HIRSCH, New York, N. Y. Filed June 30, 1920. Serial No. 392,996. 10 Claims. (Cl. 252.)

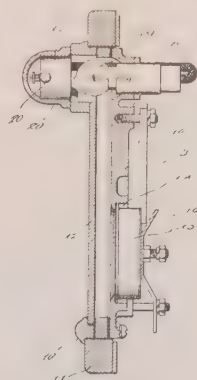
1. A new composition for flotation of ores comprising mixed naphthalene ring and benzole ring amido substitution products accompanied by such impurities as result from the nitration and reduction of crude naphthalene and xylene.

1,407,750. GAS HEATER. HUBERT R. HUMPHREY, Kalamazoo, Mich. Filed Apr. 16, 1921. Serial No. 461,946. 6 Claims. (Cl. 126—92.)



6. In a gas stove, the combination of a casing, a supporting plate, radiants disposed on said supporting plate and having aligned recesses in their upper ends, and a retaining rod engageable with said recesses in said radiants.

1,407,751. INSTRUMENT BOARD. CLARENCE E. JEFFERS, Indianapolis, Ind., assignor to Howard C. Marmion, Indianapolis, Ind. Filed Nov. 17, 1919. Serial No. 338,650. 2 Claims. (Cl. 240—2.)

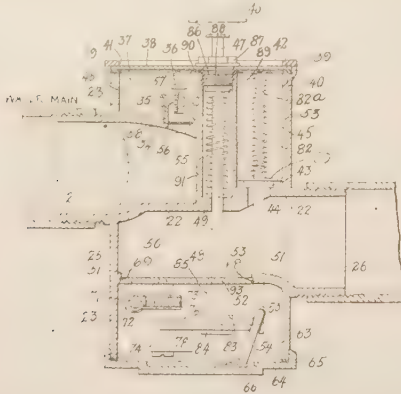


1. An instrument board, comprising a main body having a sight opening therethrough, an instrument having a face to be read through said opening, said instrument having greater dimensions than the sight opening, means by which the instrument is held in place, a transparent cover carried by the main body and covering the face of the instrument, an electric lamp arranged with its filament substantially in the plane of the transparent cover at an unobstructed edge thereof, and a shield preventing the passage of direct rays from the lamp to the observer or to the instrument.

1,407,752. DEVICE FOR MEASURING OUT WATER. STUART OTTO JOHNS, Wellington, New Zealand, assignor to The New Zealand Flusher Company Limited, Wellington, New Zealand. Filed Aug. 4, 1919. Serial No. 315,229. 28 Claims. (Cl. 221—101.)

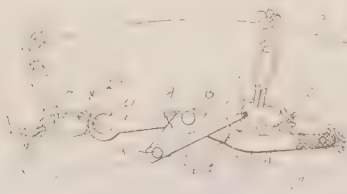
1. A device for measuring out water, comprising a casing having an inlet and outlet and an intermediate

valve, manually operable means for varying pressure of water within said casing in a manner to cause said valve to open, a wheel driven by water passing through



said valve, and means controlled by said wheel for restoring the normal pressure of water, and thereby causing said valve to close.

1,407,753. TIRE-CHAIN TIGHTENER AND LOCK. CARL F. JOHNSON AND ANDERS IVER JOHNSON, Labolt, S. D. Filed Aug. 6, 1921. Serial No. 490,319. 2 Claims. (Cl. 24 68.)



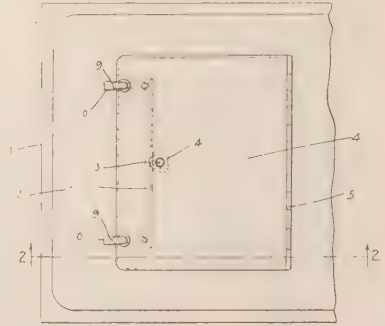
1. A combined chain tightener and lock embodying a lever, a member pivoted to one end of the lever, said member having a hook on one end, the hook being disposed out of the path of movement of said lever, a second member pivoted to said end of the lever in spaced relation to the first mentioned member, a hook formed on one end of the second mentioned member, the bill of each of said hook members being disposed at right angles to each other, the hook of the second mentioned member being adapted to receive a portion of the lever to limit movement of said lever in one direction.

1,407,754. SPINNING MACHINE. EBBERT A. JONES, Danville, Va., assignor, by mesne assignments, to Jones-Boardman Bunch Builder Corporation, Baltimore, Md., a Corporation of Maryland. Filed June 20, 1918. Serial No. 241,023. 15 Claims. (Cl. 242-43.6.)



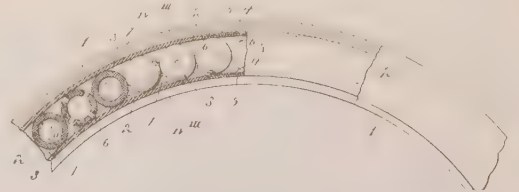
1. In a spinning machine, a builder motion including a reciprocating builder arm, means controlled thereby to effect the formation of a preliminary or bunch winding with a short traverse throughout the building of the bunch and a succeeding main winding with a much longer traverse from beginning to end, pick mechanism for causing a gain of the traverse at each reciprocation and automatic means for delaying or cutting in two the normal effective action of said pick mechanism on the first long traverse and thereafter.

1,407,755. LOCK. WILLIAM D. KENNEDY, Fairfield, Ohio. Filed Oct. 21, 1920. Serial No. 418,493. 3 Claims. (Cl. 70-74.)



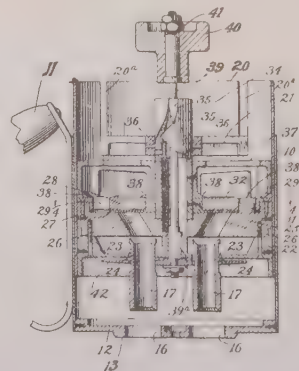
1. Means for locking a cover in position over an opening through a compartment forming wall, comprising latch structures having parts thereof positioned to swing below the edge of the compartment forming wall, manually operated means connected with the lid for swinging said latches, a locking bar pivoted to said latches and movable therewith, and a locking bolt adapted to engage said locking bar when the latches are in locked position for holding said latches against swinging movement.

1,407,756. VEHICLE TIRE. THOMAS H. KIP, New York, N. Y. Filed May 18, 1921. Serial No. 470,631. 3 Claims. (Cl. 152-5.)



3. In a tire, a shoe, an annular tube inclosed in said shoe, a series of hollow elastic balls in said tube, arranged annularly and in contact with each other and with the interior of said tube, each of said balls having perforations extending from the exterior to the interior thereof, and a comminuted dry lubricant in the interstices between said balls.

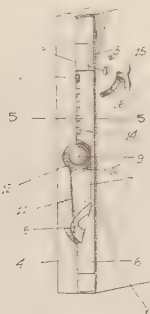
1,407,757. HEEL-MOLD-WASHERING DEVICE. WALDEMAR D. KMENTT, Akron, Ohio, assignor to the B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Aug. 4, 1921. Serial No. 489,794. 22 Claims. (Cl. 18-1.)



1. A device for placing washers on mold pins, said device having means for registering it with a mold cavity,

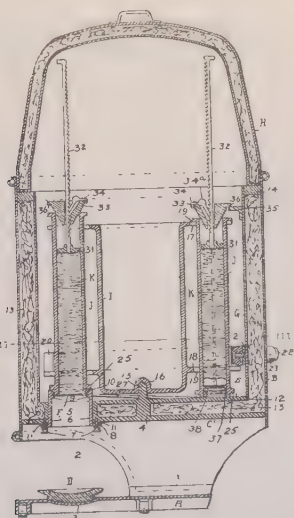
and having a set of guides adapted to locate the washers on the pins, said guides being separately movable on said device and adapted automatically to register themselves individually with the respective pins.

1,407,758. DOOR LATCH. WILLIAM KNIGHT, Lathrop, Calif. Filed Dec. 6, 1920. Serial No. 428,461. 5 Claims. (Cl. 292—332.)



1. A door latch comprising a latch member pivotally mounted in the door and adapted to normally lie in a horizontal position and to then project from the door, means for raising the latch to lie in a substantially vertical position and inwardly beyond the edge of the door, and an independent gravity-controlled member mounted above the latch and adapted to hold the same against resuming its normal locked position when the door is moved away from the door frame.

1,407,759. PORTIONING MECHANISM. LUTHER L. KNOX, Bellevue, Pa. Filed Nov. 27, 1920. Serial No. 426,705. 29 Claims. (Cl. 31—65.)



1. In a portioning machine, the combination of a support having a plane surface, a dispensing tube adapted to contain a bar of the substance to be portioned and movably mounted in such a manner relative to said support that said plane surface normally prevents the protrusion of the bar from the discharge end of the tube, means for moving the tube along said surface, means for moving the tube away from said surface while the bar retains its position relative to said surface, and means for slicing off the end of the bar thus exposed to form a portion.

8. In a portioning machine, the combination of a support provided with a plane horizontal surface, a vertically

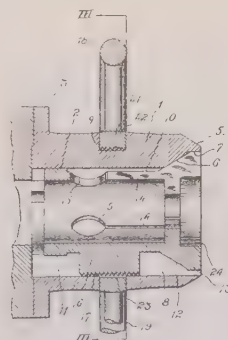
disposed dispensing tube adapted to contain a bar of the substance to be portioned and mounted in such a manner relative to said surface that its discharge end is normally sealed by said surface thus preventing the protrusion of the bar, means for moving said tube horizontally so that its discharge end traverses said surface, means for moving said tube vertically away from said surface, means for preventing the vertical movement of said bar with said tube whereby the end of said bar is caused to protrude from said tube, means actuated by the subsequent movement of said bar for slicing off the protruding end of said bar to form a portion, and means for lowering said tube into its original relation to said surface.

15. In a portioning machine, the combination of a movable carrier, a plurality of vertically disposed dispensing tubes carried by said carrier and each adapted to contain a bar of the substance to be dispensed, means for supporting said bars in said tubes, means whereby the tubes moving with said carrier are in turn elevated relative to the latter to expose the lower ends of said bars, and means for slicing off said exposed ends to form portions.

22. In a portioning machine, the combination of a plurality of vertically disposed dispensing tubes, each adapted to contain a bar of the substance to be portioned, and movable about a common center, a support having a plane surface over which the ends of said tubes move whereby the bars are supported in said tubes, cutting means disposed transversely to said surface and elevated above the same, means for elevating said tubes in turn as they approach said cutting means to clear the same, and means for preventing said bars from elevation with said tubes whereby the butts of said bars are sliced off to form portions.

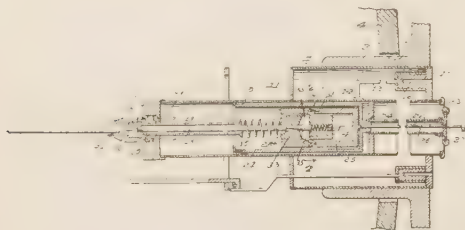
27. In a portioning machine, a support, a vertically disposed tube mounted on said support, a rod journaled on the exterior wall of said tube and longitudinally of the latter, and a stop member mounted on the lower end of said rod and adapted to be swung by the rotation of said rod into position to support the contents of said tube.

1,407,760. COLLET CHUCK. JOHN L. KREUSLER and FERGUS R. FERGUSON, Cleveland Ohio. Filed Dec. 12, 1918. Serial No. 266,458. 10 Claims. (Cl. 279—53.)



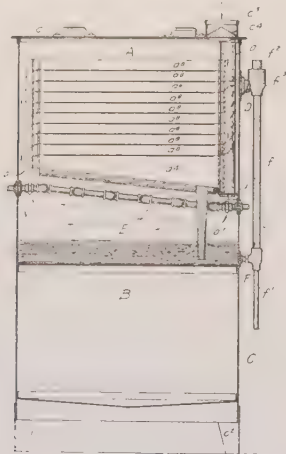
1. A collet chuck comprising a hollow chuck fashioned internally with slots extending parallel to its axis and fashioned exteriorly with an annular groove in a plane perpendicular to its axis, said groove and slots having open communication, a hollow collect movably fitted in said chuck and having its walls provided with integral studs movable in said slots and across the plane of said groove and a ring movable in said groove and adapted to actuate said collet axially.

- 1,407,761. ELECTRIC-ARC-STRIKING MECHANISM. CLARENCE M. LANGFELD, Baltimore, Md. Filed May 13, 1919. Serial No. 296,925. 4 Claims. (Cl. 176-103.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. In an electric arc mechanism, the combination with a positive carbon and a negative carbon, a holder for said negative carbon operating means for effecting longitudinal movement of said negative toward said positive carbon, of a release device interposed between said carbon holder and said operating means for automatically drawing an arc between said carbons.

- 1,407,762. APPARATUS FOR PURIFYING AND FILTERING LIQUIDS. ROBERT E. LANGSTON, Fort Wayne, Ind., assignor to Wayne Oil Tank and Pump Company, Fort Wayne, Ind., a Corporation of Indiana. Filed Oct. 13, 1919. Serial No. 330,476. 19 Claims. (Cl. 210-43.)

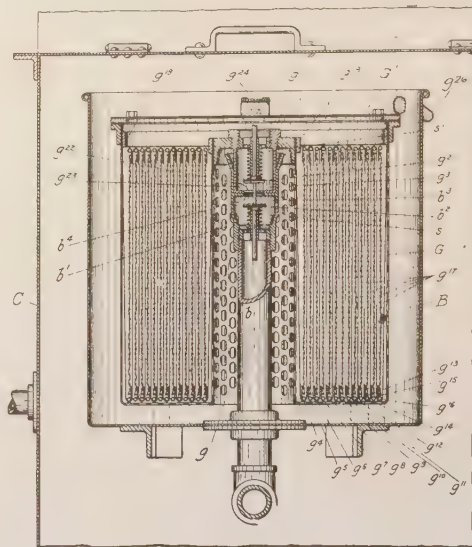


1. An apparatus for purifying and filtering dirty liquids having in combination a precipitation compartment and its mechanism, a heating compartment and its mechanism; the former above the latter; the said two compartments separated from each other by an inclined partition where a passage-way for heated liquid is provided and toward the low part where an opening is provided for a drain spout; a filter strainer compartment and its mechanism, and a liquid connection from the precipitation compartment to the filter strainer compartment.

- 1,407,763. FILTERING APPARATUS. ROBERT E. LANGSTON, Fort Wayne, Ind., assignor to Wayne Oil Tank and Pump Company, Fort Wayne, Ind., a Corporation of Indiana. Filed July 15, 1920. Serial No. 396,570. 3 Claims. (Cl. 210-62.)

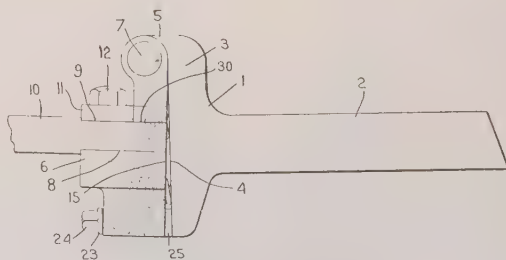
1. In an apparatus for purifying and filtering oils, a filter strainer compartment, a removable filter strainer

unit therein; means for supplying oil to be treated to the unit, co-acting, self-closing valves adapted to maintain each other in open position by the weight of the unit, a tapering filter cloth tube within said unit, a plurality of concentric perforated cylinders in said unit be-



tween which the concentric folds of said tube are supported in such a manner as to cause the oil entering the unit to pass through the cloth from within the nest of cylinders outwardly, and means for keeping the filter strainer unit immersed in filtered oil.

- 1,407,764. TOOL HOLDER. GUSTAF OSBERG, Boston, Mass. Filed Dec. 9, 1919. Serial No. 343,600. 4 Claims. (Cl. 29-96.)

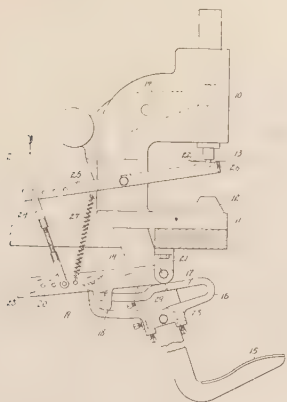


1. In a tool holder, the combination with a body portion having a shank to be sustained in the tool post, of a tool-holding member pivoted to said body portion, a member pivoted to said body portion, a spring interposed between said tool-holding member and body portion and providing a yielding backing for said member, and adjustable means for limiting the spring-impelled movement of said member, said means being capable of adjustment to maintain said member rigid with the body.

- 1,407,765. SAFETY DEVICE FOR FOOT PRESSES. HUGO C. PAECHT, New Haven, Conn. Filed Oct. 28, 1920. Serial No. 420,181. 3 Claims. (Cl. 192-116.)

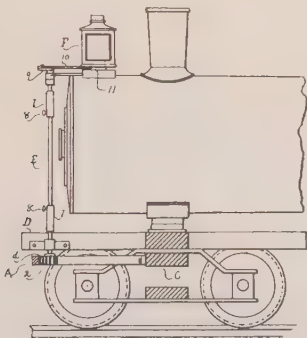
1. The combination with a foot press having a frame, a hammer and a foot-lever, of a plate mounted on the foot lever and formed with a slot, a stop lever pivotally connected with the press frame and carrying a pin trav-

elling in the slot in said plate, said stop lever formed at its outer end with a stop lug, a safety lever pivoted



to the frame, with one end extending into the path of the hammer and connected at its other end with the stop lever.

1,407,766. PIVOTED HEADLIGHT FOR LOCOMOTIVES. ERNEST PAYNE, Binghamton, N. Y. Filed May 20, 1921. Serial No. 471,264. 1 Claim. (Cl. 240—62.)



In combination with a locomotive and the forward truck thereof—a guide frame projecting longitudinally forward from the truck beam, a series of cogs mounted on the inner face of the front end of said frame, a gear meshing into said cogs, a vertical shaft pivotally mounted in the head platform of the locomotive and supporting said gear meshing into said cogs, a removable section to said shaft, means for clamping and unclamping said section in position, a headlight box pivotally mounted on the locomotive body, pivoted lever connection between said shaft and the headlight box.

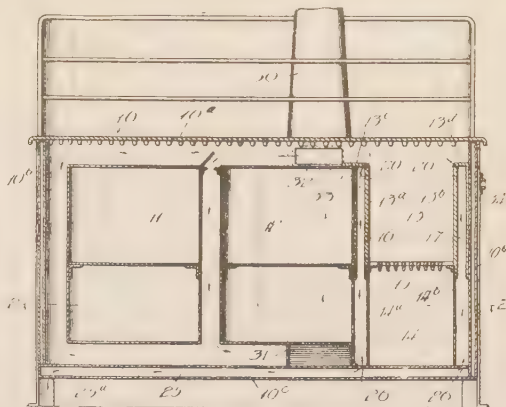
1,407,767. PRIMER FOR SMALL-ARMS AMMUNITION. HARLEY T. PECK, Lebanon, Ohio, assignor to The Peters Cartridge Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 15, 1919. Serial No. 345,044. 5 Claims. (Cl. 52—3.)

1. A priming composition for ammunition containing tri-nitro-resorcinol.

1,407,768. COOKING RANGE. ROBERT L. POE, Chicago, Ill., assignor to Ardella C. Dilbone, Cook County, Ill. Filed Apr. 21, 1919. Serial No. 291,668. 1 Claim. (Cl. 126—1.)

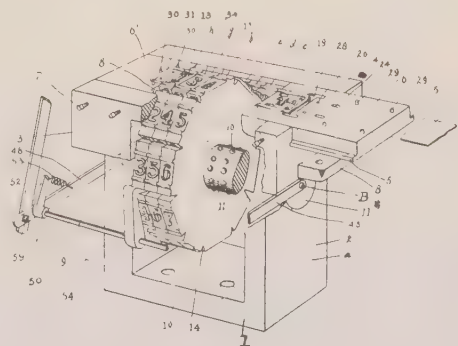
In combination, a range comprising a casing, an oven therein, a fire box, air chambers adjacent said fire box, one on each side thereof, and an air-heating passage extending along the bottom of said range substantially from end to end of said casing and provided with an

inlet at one end communicating with the atmosphere exterior of said casing and beneath the latter, and a plurality of outlets at the other end of said passage,



one for each of said chambers, the latter being provided with openings leading into said fire box above the normal level of the fuel therein.

1,407,769. NUMBERING, FORMING, AND CUTTING DIE. ALEXANDER PREMO, West St. Paul, Minn. Filed May 18, 1921. Serial No. 470,603. 6 Claims. (Cl. 101—18.)



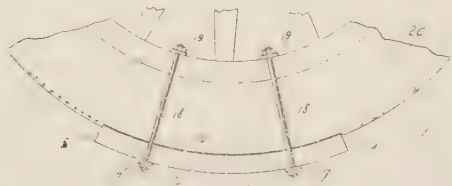
1. In combination with a press having a reciprocable plunger, a lower stationary die member having cutting and forming die surfaces, an upper die member secured to said plunger and having cutting and forming die surfaces fitted to said lower die member so as to coact with the die surfaces thereof, reciprocatory counting mechanism, said mechanism including reciprocatory connecting means and a plurality of contiguously rotatably mounted disks rotatable around an axis common to all the disks, a part of the peripheries thereof forming a part of the die surfaces of said lower die member, said disks having circumferentially spaced number dies on their peripheries adapted to be brought successively into die forming position, and operative connections between said reciprocatory connecting means and plunger, said connections being coordinated to the reciprocating movement of the latter whereby said number dies will be moved into die forming position on the upstroke of the plunger.

1,407,770. METHOD OF TREATING HYDROCARBON OILS. ALEXANDER S. RAMAGE, Detroit, Mich., assignor, by mesne assignments, to Bostaph Engineering Corporation, Detroit, Mich., a Corporation of New York. Filed Apr. 6, 1917. Serial No. 160,224. 5 Claims. (Cl. 196—26.)

1. A method of treating hydrocarbon oils rich in olefines, which consists in reacting thereon with strong

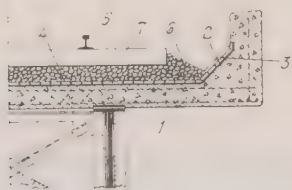
sulfuric acid in sufficient proportion to transform the bulk of the olefines into high-boiling bodies, with coincident formation of sulfuric acid derivatives of olefines, and effecting a separation of these products by dissolving and hydrolyzing said sulfuric acid derivatives and distilling off and recovering the volatile products of the hydrolysis.

1,407,771. VULCANIZER. WILLIAM REILLY, Kerrisdale, New Brunswick, Canada. Filed Mar. 1, 1918. Serial No. 219,820. 10 Claims. (Cl. 18—18.)



1. A vulcanizer comprising a body having a vulcanizing face arc-shaped longitudinally to fit the tread of the tire circumferentially and adapted to be applied upon the tread when the tire is flat on its side face, a fuel compartment extending at the lower side from end to end of the body and following the arc thereof and a heat deflecting hood formed at the longitudinal upper side and following the arc of the body whereby an opening is left opposite the vulcanizing face and the heat arising from the fuel compartment is temporarily confined and a pocket of heated gas formed previous to its passing away through the opening.

1,407,772. PROTECTIVE COVERING FOR WATER-PROOFING COATING ON CONCRETE. WALTER R. ROOF, Chicago, Ill. Filed Sept. 12, 1921. Serial No. 500,134. 5 Claims. (Cl. 72—127.)



1. In combination, a concrete wall, a waterproofing coating on said wall, and a wooden shield completely covering said waterproofing coating.

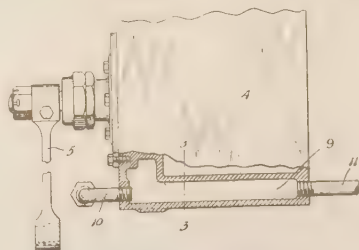
1,407,773. PROCESS OF PREPARING PAPER-COATING COMPOSITION. JOHN H. RYAN, Chicago, Ill. Filed May 6, 1920. Serial No. 379,315. 3 Claims. (Cl. 134—20.)

1. The treatment of clay consisting in mixing the same with water until it is a thin doughy mixture, subjecting the same to the action of pebbles in a pebble grinding mill, adding the usual sizing solutions, and further grinding the same in a pebble mill to insure mixture and the pulverization and elimination of all grit, as specified.

1,407,774. INVESTMENT COMPOSITION. JOSÉ G. SARAVIA, San Salvador, Salvador. Filed May 23, 1921. Serial No. 471,917. 5 Claims. (Cl. 22—188.)

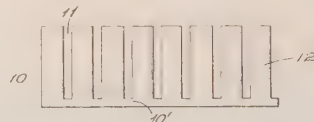
1. An investment composition comprising plaster of Paris and a material capable of expanding on the application of heat consisting of Roman cement and silica in graded sizes.

1,407,775. LUBRICATOR HEATER. WILLIAM J. SCHLACKS, Chicago, Ill. Filed Mar. 25, 1920. Serial No. 368,597. 3 Claims. (Cl. 184—104.)



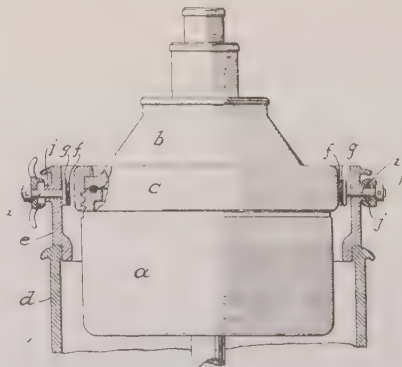
1. The combination with a locomotive, of a lubricator therefor comprising an oil reservoir having a steam chamber for heating the same, a steam delivery conduit connecting said chamber to the boiler of the locomotive, a steam discharge conduit leading from the steam chamber of said lubricator, and so arranged that the exhaust from the locomotive will vary the discharge of steam from the steam chamber of said lubricator, and the temperature of the steam therein.

1,407,776. MANUFACTURE OF COMMUTATOR FOR ELECTRIC MOTORS. HARRIS D. STONE, New Haven, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a Corporation of Connecticut. Filed Dec. 1, 1919. Serial No. 341,778. 12 Claims. (Cl. 29—155.5.)



1. The method of making commutators which consists in slotting a flat strip of sheet metal to provide spaced sections, bending said slotted strip to form a cylinder, forming a body of insulating material within said cylinder with said spaced sections embedded therein, and cutting off the unslotted portion of said metal strip.

1,407,777. BRAKE FOR CENTRIFUGAL MACHINES. BERT R. WRIGHT, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 15, 1920. Serial No. 374,039. 8 Claims. (Cl. 188—75.)

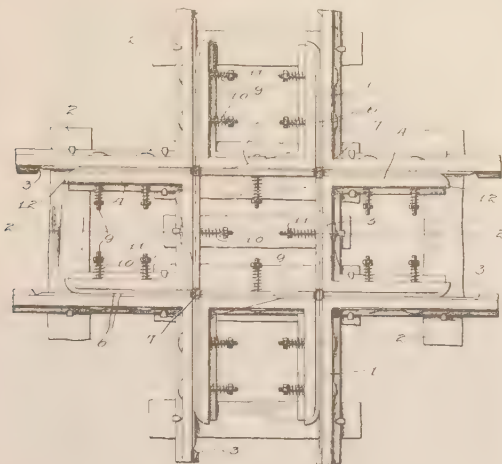


1. In a centrifugal machine, the combination with a revoluble bowl comprising a plurality of parts, one of which is of greater external diameter, and screw-threading means to hold them together, of a brake shoe adapted to be pressed against the part of greater diameter.

1,407,778. NOISELESS RAILROAD CROSSING. FRANK PLIMLEY YEOMANS, Oakland, Calif. Filed Oct. 29, 1921. Serial No. 511,306. 7 Claims. (Cl. 246—273.)

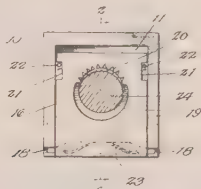
2. A noiseless railroad crossing comprising a plurality of L-shaped main track rails, a plurality of L-shaped in-

ner rails interposed between said main rails, a plurality of notched guard rails between said main and inner rails, all of said rails being provided with registering slots,



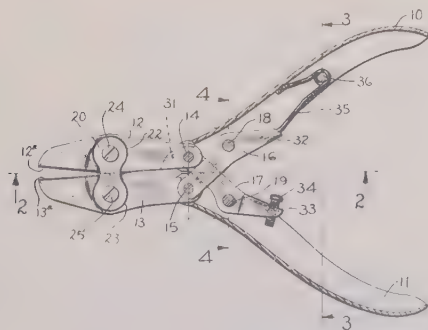
bolts passing through said slots, and means carried by said bolts for adjusting the tension between the several parts.

1,407,779. NUT LOCK. WILLIAM D. YOCUM, Wetumka, Okla. Filed May 5, 1921. Serial No. 466,918. 5 Claims. (Cl. 151—30.)



1. A nut lock including a nut, a shiftable locking member thereon provided with means to coact with a bolt and having an angularly disposed head confronting one side face of the nut, the head being formed with laterally directed retaining lugs coacting with other of the side faces of the nut for securing the locking member upon said nut, and a bowed leaf spring disposed between the first mentioned side face of the nut and the head for projecting the locking member to active position.

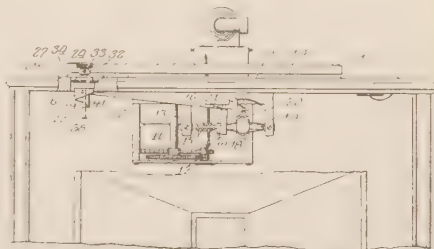
1,407,780. HAND TOOL. WILLIAM A. BERNARD, New Haven, Conn., assignor to The William Scholhorn Company, New Haven, Conn. Filed Feb. 28, 1921. Serial No. 448,305. 5 Claims. (Cl. 164—81.)



1. In a hand tool, diagonal cutting nippers comprising a pair of operating handles, cutting jaws pivoted thereto

and connected near their forward ends, handle straps connected to rear ends of the jaws and to the handles, one of said handle straps being extended beyond its handle connection and a spring mounted in the handle beyond said strap and having one end engaging said strap to urge said handles to open position.

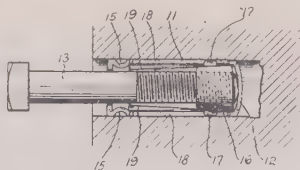
1,407,781. SOUND-REPRODUCING MACHINE. FOREST CHENEY, Chicago, Ill., assignor to Cheney Talking Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 13, 1917. Serial No. 185,853. 11 Claims. (Cl. 188—187.)



1. In a machine of the class described, the combination of a speed indicating dial, a supporting member having a groove therein, a pointer loosely mounted on said supporting member and movable over said speed indicating dial, speed control means mounted on said supporting member, a control knob mounted on said supporting member and having a recess for the reception of said pointer, and means associated with said knob and with the groove in said supporting member to prevent disengagement between the knob and the pointer.

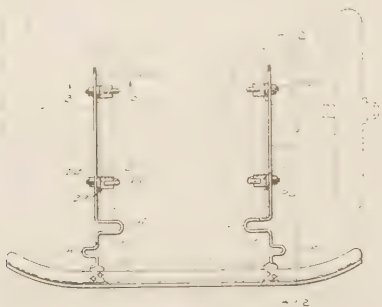
7. In a regulator for motors, the combination with a post, of a plate through which said post rotatively extends, a pointer on said post and movable therewith relatively to a scale on said plate, a cylindrical sleeve concentrically fixed to said post and having its edge formed into a helical cam, a lever engaging said cam, a spring for yieldingly maintaining said lever against said cam, a governor controlled by said lever, a stem projecting from said post concentrically within said sleeve and slidingly engaged by the end of said lever to guide the same during its movement by said cam and maintain it in radial relation to said sleeve.

1,407,782. EXPANSION BOLT. ISAAC CHURCH and LE ROY MONTGOMERY, Norwalk, Conn., assignors to The Isaac Church Expansion Bolt Company, East Norwalk, Conn., a Co-Partnership. Filed Jan. 17, 1921. Serial No. 437,661. 1 Claim. (Cl. 85—24.)



An expansion bolt comprising two shell-like members of semi-circular cross section having approximately parallel inner and outer surfaces and substantially free of external depressions, said members being arranged edge to edge, whereby a cylindrical casing is provided, of uniform diameter throughout its length when in use, said members having means to provide an abutment wall closing one end of the casing, said members also having complementary means to prevent relative longitudinal displacement, each of said members having an internal tapered rib, a threaded bolt having one end bearing against the abutment wall, and a nut working on said bolt and engaging said ribs.

1,407,783. BUMPER FOR AUTOMOBILES. JOSEPH M. CUSSELL, Louisville, Ky. Filed July 27, 1921. Serial No. 488,038. 3 Claims. (Cl. 293—55.)



2. In a device of the kind described, a rigid bumper bar, and supports for said bumper bar each consisting of a strip of spring material comprising a body portion carrying means for attachment to an automobile, an inwardly directed U-shaped spring portion at an end of the body portion, and a forwardly extending portion having its extremity twisted at right angles to the body portion and secured to the rigid bumper bar, said forwardly extending portion including a U-shaped spring portion disposed between the extremities of the forwardly extending portion and extending from said portion in a direction opposite the first mentioned U-shaped spring portion.

1,407,784. CORE REINFORCEMENT OF MUSIC ROLLS. ERNEST G. CLARK, De Kalb, Ill., assignor to Clark Orchestra Roll Company, De Kalb, Ill., a Corporation of Illinois. Filed Oct. 20, 1920. Serial No. 418,219. 7 Claims. (Cl. 242—69.)



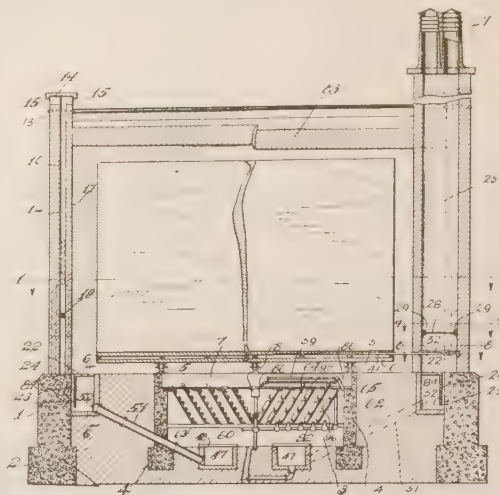
6. A music roll core comprising a shell, a metallic cup-shaped reinforcement within, and at the end thereof, said reinforcement consisting of a centrally apertured disk having a circumferential flange projecting at right angles thereto, and a key formed integral with and extending within said reinforcement from the outer portion toward the center thereof.

1,407,785. ELECTRIC SAFETY FUSE. ROBERT C. COLE, Hartford, Conn., assignor to The Johns-Pratt Company, Hartford, Conn., a Corporation of Connecticut. Filed July 28, 1920. Serial No. 399,573. 7 Claims. (Cl. 200—117.)



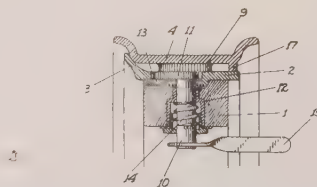
1. An enclosed electric safety fuse comprising an insulating casing with metallic end caps, a rigid terminal within the casing electrically connected with one end cap, a spring finger terminal extending within and across the casing and electrically connected at one end with the other end cap, and a fusible link connected between the rigid terminal and the free end of the spring terminal.

1,407,786. LUMBER DRIER. BENJAMIN D. CURTIS, Philadelphia, Pa. Filed Mar. 29, 1920. Serial No. 369,770. 25 Claims. (Cl. 34—46.)



2. In a drying kiln, the combination of an enclosure for the material to be dried, heating means at the bottom of the enclosure, walls at each side of the enclosure, each comprising spaced sections with an air chamber therebetween, and having a draft outlet at the top of the air chamber and an air inlet thereto at the bottom, said air chambers being adapted to afford circulation through the walls for cooling the inner surfaces thereof, to enforce down draft in the enclosure adjacent each of the side walls, and valve-controlled ducts for conducting and distributing the downwardly directed air under the heating means.

1,407,787. LOCKING MEANS FOR DEMOUNTABLE RIMS. LESLIE L. DARROW and FREDERICK W. HOESSEL, Stockton, Calif. Filed Aug. 16, 1920. Serial No. 403,763. 3 Claims. (Cl. 301—17.)

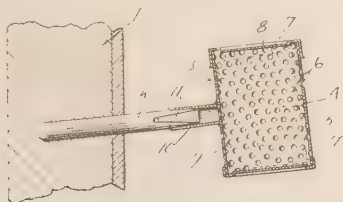


1. A locking means for demountable rims including interlocking lugs on the felly band and demountable rim, an independent lug on the demountable rim, an eccentric lock-head turnably mounted in the felly and adapted to be turned to engage said lug to hold the coacting lug in positive engagement, a flat spring handle connected to the head on the inner periphery of the felly and extending substantially in a plane parallel to the axis of the heads, and a pin fixed to and projecting inwardly of the felly, the handle being adapted to be snapped past the pin when the former is turned to throw the lock-head into engagement with its lug and to then be under tension, acting to force said head into tighter contact with the lug.

1,407,788. CAMPHOR HOLDER FOR PIANOS. JOHN DE CARLO, Brooklyn, N. Y. Filed March 7, 1916. Serial No. 82,698. Renewed Aug. 30, 1921. Serial No. 497,044. 1 Claim. (Cl. 294—24.)

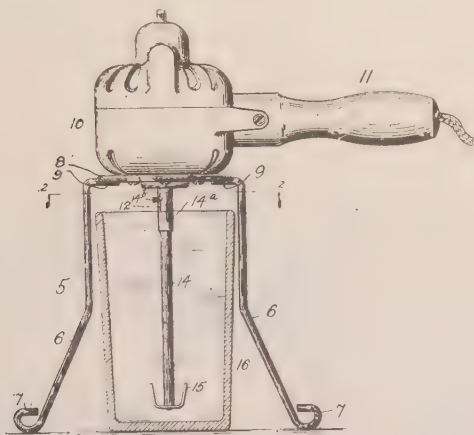
A camphor holder for pianos comprising a perforated container, and a metal tube projecting rigidly from its

back and split whereby it is adapted to frictionally engage over a tuning pin, the container being of such shape



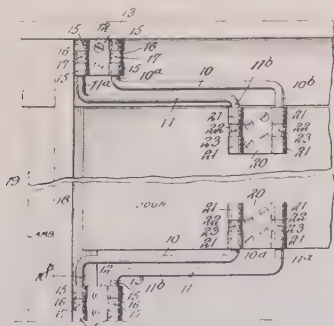
as to be held thereby continuously out of contact with other parts of the piano.

1,407,789. BEVERAGE MIXER. OSCAR P. ERHARDT, West Haven, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a Corporation of Connecticut. Filed Dec. 6, 1917. Serial No. 205,791. 10 Claims. (Cl. 259—122.)



1. In a device such as described, a portable spider-like stand adapted to be set over a glass, said stand having a substantially flat top and supporting and positioning legs connected thereto and a motor member supported on top of the stand above the glass and having a vertically extending shaft, and a stirring element attached to the motor shaft below the top of said stand and arranged to extend downward into the glass.

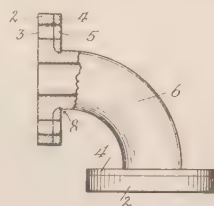
1,407,790. HINGE. WILLIAM LEWIS EVANS, Jr., Washington, Ind. Filed Feb. 24, 1921. Serial No. 447,419. 9 Claims. (Cl. 16—163.)



5. The combination with a compartment, of a door for closing an entrance or opening thereof, and means for pivotally connecting said door to said compartment com-

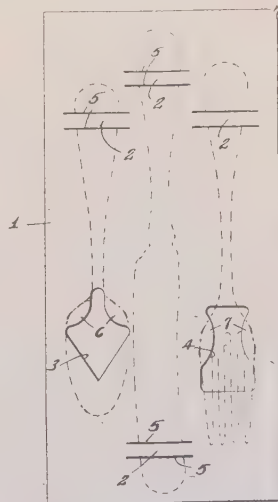
prising a pair of arms of substantially the same length and working in different horizontal planes, means for pivotally connecting said arms to said door, and other means for pivotally connecting said arms to said compartment, said last-mentioned means comprising an angular plate mounted within the compartment in spaced relation to the entrance or opening and having pivots at the ends thereof which are spaced apart and located at different distances from the entrance or opening and disposed wholly within the compartment at that side of said entrance or opening toward or against which said door swings when open.

1,407,791. REINFORCED FLANGE FOR FLANGED PRODUCTS. EDWARD J. FOWLER, Redwood City, and CHARLES KELLIE, San Francisco, Calif., assignors to Pacific Foundry Company, San Francisco, Calif., a Corporation of California. Filed June 1, 1920. Serial No. 385,414. 3 Claims. (Cl. 137—75.)



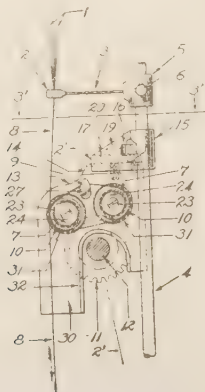
3. Flanged products having a reinforcing member against which the flange of said products is cast, said member being shouldered into said product at the junction of its flange and body.

1,407,792. DISPLAY CARD. ALEXANDER HATZUNG, East Syracuse, N. Y., assignor to T. N. Benedict Mfg. Co., East Syracuse, N. Y., a Corporation of New York. Filed Apr. 14, 1921. Serial No. 461,445. 1 Claim. (Cl. 211—34.)



A display card for cutlery articles, the card having flat loops struck therefrom at one end to loop over the handle of the article, and an opening near its other end paired with the loop for receiving the blade of such article, the opening being quadrangular in general form, the card also having arc-shaped flaps extending into outline of the opening and arranged to overlap opposite margins of the blade depressed in such opening.

1,407,793. THREAD-SPINNING MACHINE. WILLIAM F. HAUPT, Orange, N. J., assignor of one-half to Clarence S. A. Williams, South Orange, N. J. Filed May 17, 1921. Serial No. 470,378. 14 Claims. (Cl. 117—21.)



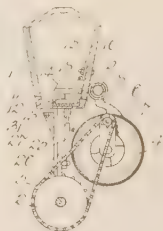
5. In a thread spinning machine, the combination with a tripper rod and a shaft carrying a driving gear, of a feed roller frame, and feed rollers and feed roller gears adapted for engagement with said driving gear carried by said frame, said frame being mounted on said tripper rod so as to be readily removable therefrom without moving said rod from its normal position in the machine to thereby enable the frame and the parts carried thereby to be readily replaced, said frame also being adjustable with respect to the tripper rod to ensure the proper meshing of the feed roller gears with the driving gear.

1,407,794. METHOD OF MANUFACTURING ONE-PIECE RUSTLESS KNIVES FOR TABLE USE. ROBERT T. LEE, Northampton, Mass., and THOMAS B. LASHAR, Bridgeport, Conn., assignors to International Silver Co., Bridgeport, Conn., a Corporation of New Jersey. Filed Oct. 16, 1919. Serial No. 331,005. 3 Claims. (Cl. 219—10.)



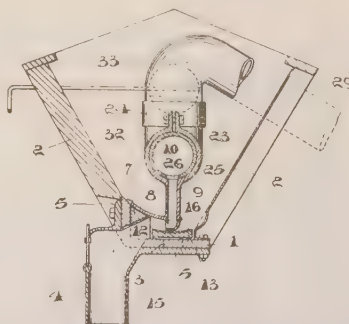
1. A method of producing a one-piece, rustless handle, electrically-welded knife for table use, consisting in abutting under pressure a steel blade-blank and a relatively soft non-ferrous metal handle-blank, the said blanks having substantially the same electrical resistance, whereby they synchronously rise in temperature under the action of a welding current until fusion takes place, then passing a current through the blanks, whereby they are welded together, and then subjecting the welded blanks to the action of dies, whereby they are conformed to knife-shape.

1,407,795. AIR GRAVITY SEEDING DEVICE FOR DRILLS AND OTHER SOWING IMPLEMENTS. THOMAS JAMES MCBRIDE, Christchurch, New Zealand. Filed Aug. 14, 1919. Serial No. 317,532. 17 Claims. (Cl. 221—124.)



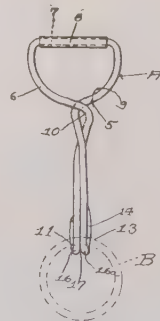
1. In a seeding machine, the combination of a hopper having an outlet; a shield over the outlet; conveying means adapted to draw seed under the shield; and an air nozzle adapted to blow seed drawn beneath the shield through the outlet.

1,407,796. SEEDING MACHINE. THOMAS J. MCBRIDE, Christchurch, New Zealand. Filed Nov. 17, 1920. Serial No. 424,683. 18 Claims. (Cl. 221—124.)



1. In a seeding machine, the combination of a hopper; a seed outlet; a shield above the seed outlet; a conveyor operating to draw seed beneath the shield to the seed outlet; a rocking cut-off device movable to and from a position to close the seed outlet, the upper surface of the conveying means being curved substantially concentric with the arc in which the end of the cut-off device swings.

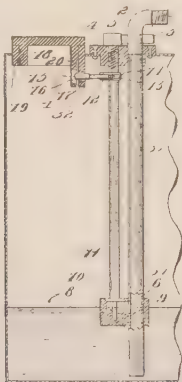
1,407,797. SNAP HOOK. WILLIAM H. MOORE, Dorris, Calif. Filed Dec. 29, 1920. Serial No. 433,852. 1 Claim. (Cl. 24—237.)



A snap hook of the character described consisting of a length of resilient material having its end portions extended toward each other adjacent the central portion of said length and across each other to provide a resilient loop, each end portion being offset in opposite directions with respect to the loop and at the junction of said loop

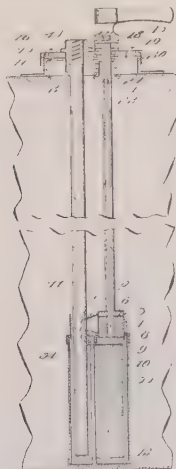
and said end portions, said end portions being then extended substantially in divergent relation to each other, the extremity of each of said end portions being coiled inwardly toward the coil of the opposite end portion, said offset portions being spaced from each other to permit the resilient loop to urge the coils into frictional engagement with each other.

1,407,798. RESERVE-SUPPLY DEVICE FOR AUTOMOBILE FUEL TANKS. WILLIAM H. MUZZY, Chicago, Ill. Filed Dec. 3, 1919. Serial No. 342,077. 12 Claims. (Cl. 158-46.5.)



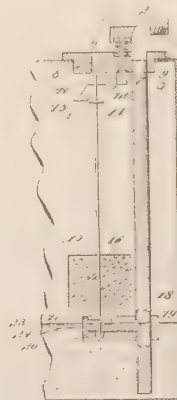
1. The combination with a fuel tank, of an unbroken supply pipe projecting down into the fuel in the tank and having an air aperture at a certain distance above its open end, and means mounted exteriorly of the pipe for opening and closing the air aperture to cause the pipe to draw the main supply or the reserve supply of fuel.

1,407,799. GASOLINE RESERVE AND CONTROL DEVICE FOR AUTOMOBILES. WILLIAM H. MUZZY, Chicago, Ill. Filed Jan. 30, 1920. Serial No. 355,161. 15 Claims. (Cl. 158-46.5.)



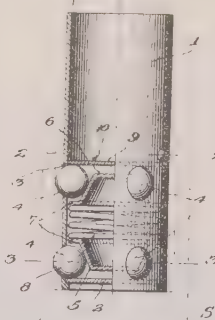
1. The combination with a fuel tank, of an unbroken feed pipe extending down into the same and having its lower end open and an air vent formed therein at a distance from its end, an oscillatory valve exterior of the pipe and capable of vertical movement for opening and closing the air vent, means for operating the valve extending up through the top of the tank and a packing surrounding said operating means where it passes through the tank to prevent the splash leaking out at this point.

1,407,800. GASOLINE RESERVE DEVICE. WILLIAM H. MUZZY, Chicago, Ill. Original application filed Dec. 3, 1919, Serial No. 342,077. Divided and this application filed Jan. 27, 1921. Serial No. 440,474. 8 Claims. (Cl. 158-46.5.)



1. The combination with a fuel tank, of a supply pipe projecting down into the gasoline in the tank and having an air aperture at a certain distance from its open end, means for closing this air aperture at will, and devices for automatically resetting said means by the fuel placed in the tank.

1,407,801. CANDLE HOLDER. GEORGE H. NORTH, Cranston, R. I., assignor to Gorham Manufacturing Company, Providence, R. I. Filed May 31, 1921. Serial No. 473,846. 9 Claims. (Cl. 67-23.)

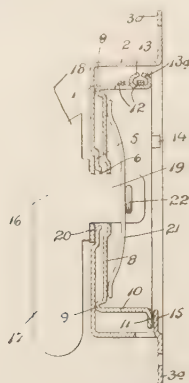


2. In a candle holder, a tubular member having a plurality of openings, balls in the openings, and automatic spring tensioned cam-means in the member to force the balls outwardly and to permit same to move inwardly.

1,407,802. FURNACE-REGULATOR CONSTRUCTION. THOMAS OLINGER, Holland, Mich., assignor to Federal Stamping Company, Holland, Mich., a Corporation of Michigan. Filed June 20, 1921. Serial No. 478,832. 8 Claims. (Cl. 126-286.)

7. In a furnace regulator, a supporting member, a chain actuating member mounted within the supporting member and provided with an annular bead bearing against the supporting member, an operating handle

passing through the supporting member and connected with the chain actuating member to turn the same and



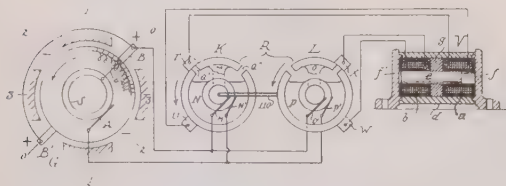
spring means interposed between the operating handle and said chain actuating member for forcing said bead against the supporting member, substantially as described.

1,407,803. COMBINED SLIDABLE GAUGE AND ALIGNING DEVICE. EARL LEWIS PATTERSON, Colingia, Calif. Filed Aug. 24, 1921. Serial No. 495,025. 2 Claims. (Cl. 33—143.)



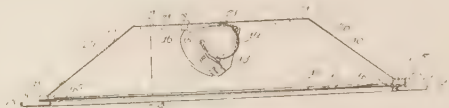
1. In combination, a slidable gauge and aligning device, caliper fingers for said gauge and clamps on said fingers for connecting them to said gauge, said clamps comprising a U-shaped member slidably fitting the said gauge and having a T bolt rotatably mounted therein and a plumb nut for tightening the said bolt in place.

1,407,804. MEANS FOR OPERATING ELECTROMAGNETIC RECIPROCATING TOOLS WITH PULSATING DIRECT CURRENT. HENRY POTH, Cincinnati, Ohio. Filed July 25, 1919. Serial No. 313,344. 7 Claims. (Cl. 172—240.)



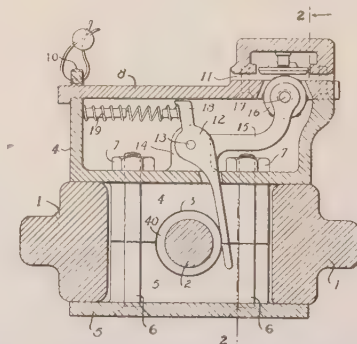
1. Means for operating an electromagnetic reciprocating mechanism comprising a direct current generator, a circuit adapted to carry a pulsating uni-directional electro-motive force and being connected to one of the generator brushes and to any suitable point of the generator armature winding, means connected in said circuit and suitably connected to said reciprocating mechanism, for intermittently supplying current to said mechanism during time intervals substantially equal to the period of a plurality of said electro-motive force pulsations and for directing the current supplied to said mechanism so as to repeatedly cause a building up and removal of a magnetic field in said mechanism within each of said time intervals.

1,407,805. ELECTRIC FLASHER SIGN. FRANK J. REICHMANN, Chicago, Ill., assignor to American Production and Trading Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 19, 1917. Serial No. 192,189. 12 Claims. (Cl. 40—132.)



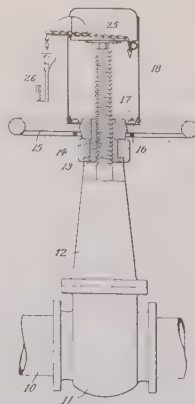
1. A display device comprising a face frame member formed with a display opening, the portions of the frame member at opposite margins of the display opening being deflected rearwardly from the face plane thereof to form opposite walls, and a wall member joining the margins of said deflected portions to maintain them at the desired angularity and form a housing behind the display opening.

1,407,806. RECORDING ATTACHMENT FOR VALVES AND THE LIKE. BENJAMIN RICHARDS, Canton, Mass., assignor to Newman Clock Company, Inc., New York, N. Y., a Corporation of New York. Filed May 7, 1917. Serial No. 166,788. 29 Claims. (Cl. 234—34.)



1. The combination with a valve, and means for operating it, of a recording device which is operative so long as the valve is in a predetermined normal position, and means operated by movement of the valve for disorganizing the recording device sufficiently to prevent its operation so long as the valve is out of said normal position.

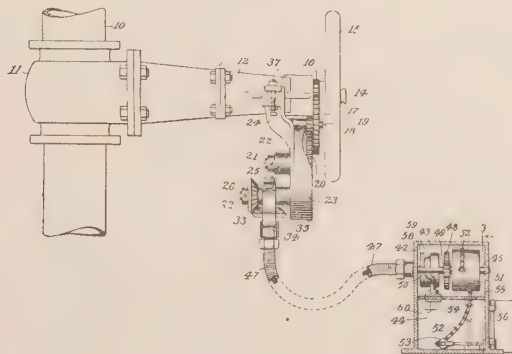
1,407,807. SUPERVISORY MECHANISM. CHARLES E. RENSCHAW and ELLIS C. HEALY, East Orange, N. J., assignors to Newman Clock Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 23, 1918. Serial No. 230,279. 23 Claims. (Cl. 70—79.)



1. The combination with a valve provided with a stem, of a manipulating handle or wheel for imparting a longi-

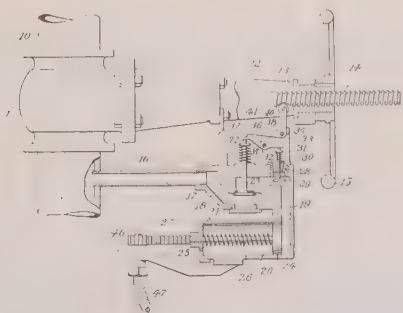
tudinal movement to said stem, a key receptacle carried by and movable with said stem and provided with a door, and means carried by said wheel adapted to close said door when the valve is moved from its normal position.

1,407,808. SUPERVISORY MECHANISM. CHARLES E. RENSCHAW and ELLIS C. HEALY, East Orange, N. J., assignors to Newman Clock Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 29, 1918. Serial No. 231,406. 29 Claims. (Cl. 70-79.)



1. In a supervisory mechanism, a valve provided with a rotatable operating means and a sliding valve stem operated thereby, in combination with a recording means normally operative for making a record, and means for rendering said recording means inoperative comprising a gear fixed to and rotatable with said operating means, gear mechanism actuated by said gear, and means connecting said recording means with and actuated by said gear mechanism.

1,407,809. SUPERVISORY MECHANISM. ELLIS C. HEALY, East Orange, N. J., assignor to Newman Clock Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 23, 1918. Serial No. 230,247. 12 Claims. (Cl. 70-79.)

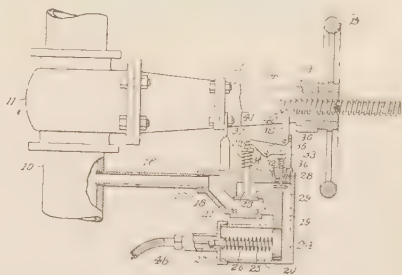


1. A supervisory mechanism for a sprinkler system comprising a supply, a valve in said supply, and a container for a watchman's key, in combination with a fluid pressure means set by the actuation of said valve for controlling the access to said key.

1,407,810. SUPERVISORY MECHANISM. CHARLES E. RENSCHAW, East Orange, N. J., assignor to Newman Clock Company, Inc., New York, N. Y., a Corporation of New York. Filed May 20, 1918. Serial No. 235,431. 13 Claims. (Cl. 70-79.)

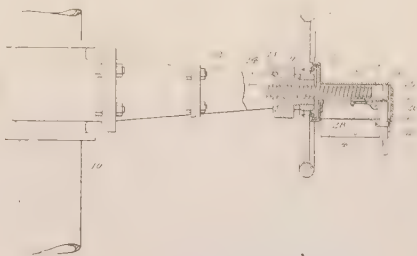
1. The combination with a normally open valve, of an electrical device normally accessible for making a

record, means for rendering said electrical device inaccessible, and fluid pressure means adapted to actuate



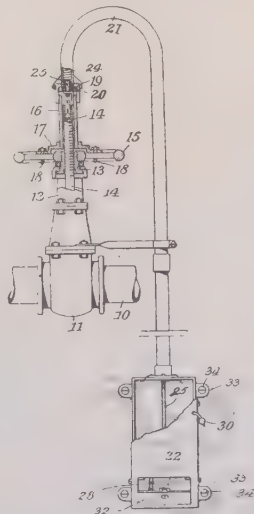
the aforesaid means when the valve is moved towards its closed position.

1,407,811. SUPERVISORY MECHANISM. ELLIS C. HEALY, East Orange, N. J., assignor to Newman Clock Company, Inc., New York, N. Y., a Corporation of New York. Filed May 20, 1918. Serial No. 235,439. 9 Claims. (Cl. 70-79.)



1. A valve provided with a stem, of a manipulating handle or wheel for imparting a longitudinal movement to said stem, in combination with a key provided with relatively movable means operable when the valve is in normal position for producing a record upon a record dial, and means for rendering said key inoperative when the valve is moved from its normal position.

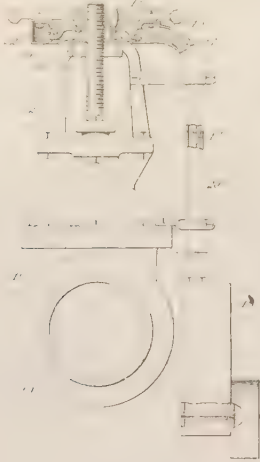
1,407,812. SUPERVISORY MECHANISM. CHARLES E. RENSCHAW and ELLIS C. HEALY, East Orange, N. J., assignors to Newman Clock Company, Inc., New York, N. Y., a Corporation of New York. Filed July 20, 1918. Serial No. 245,852. 9 Claims. (Cl. 70-79.)



1. In a supervising mechanism for a sprinkler or other system, a valve, a device normally accessible for making

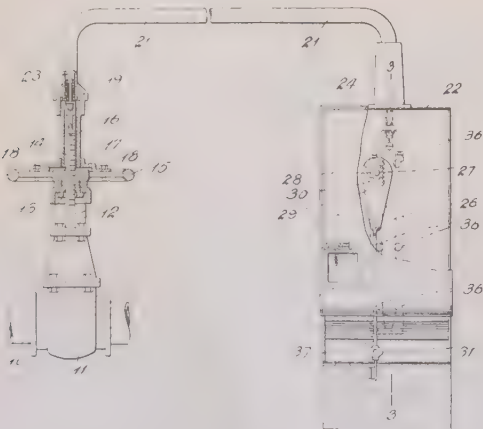
a record, and means for rendering said device inaccessible comprising a flexible means directly connected to the stem of the valve and to said device so that a movement of the former will impart the same kind of movement to the latter.

1,407,813. SUPERVISORY MECHANISM. CHARLES E. RENSHAW and ELLIS C. HEALY, East Orange, N. J., assignors to Newman Clock Company, Inc., New York, N. Y., a Corporation of New York. Filed July 20, 1918. Serial No. 245,853. 12 Claims. (Cl. 70-79.)



1. In a supervisory mechanism, a valve provided with a rotatable operating means and a valve stem operated thereby, in combination with a recording device normally operative for making a record, and means for rendering said recording means inoperative comprising a sprocket fixed to and rotatable with said operating means, gear mechanism, to which the recording device is connected and actuated by said sprocket gear, said mechanism embracing means for rendering said recording device inoperative during the initial movement of the valve from its normal position.

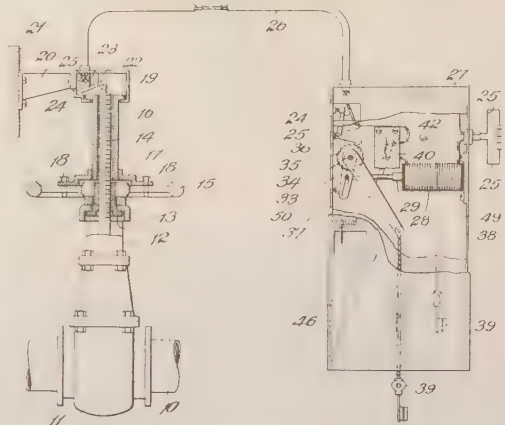
1,407,814. SUPERVISORY MECHANISM. ELLIS C. HEALY, East Orange, N. J., and GODFREY P. SCHMIDT, New York, N. Y., assignors to Newman Clock Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 8, 1919. Serial No. 288,468. 18 Claims. (Cl. 70-79.)



1. In a supervisory mechanism, a valve provided with a stem, means for imparting a longitudinal movement to said stem to move said valve from its normal position,

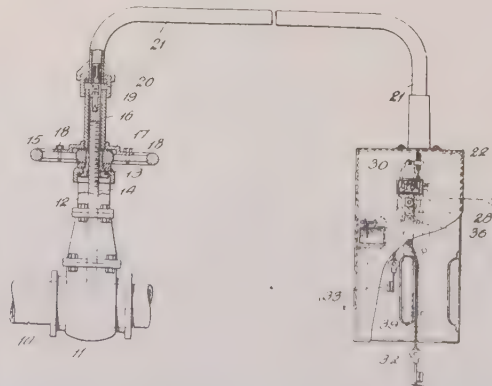
and a device normally accessible for making a record, in combination with means connected to said stem and said recording means for rendering the latter inaccessible for making a record, comprising a movable rack bar connected to the valve stem and provided with a toothed and a plain portion on one side thereof, a mutilated gear the teeth of which normally mesh with the teeth of the rack and the mutilated portion of which in operation is brought opposite the plain portion to lock the recording means against further movement but enabling the continued movement of the valve.

1,407,815. SUPERVISORY MECHANISM. ELLIS C. HEALY, East Orange, N. J., assignor to Newman Clock Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 8, 1919. Serial No. 288,608. 12 Claims. (Cl. 70-79.)



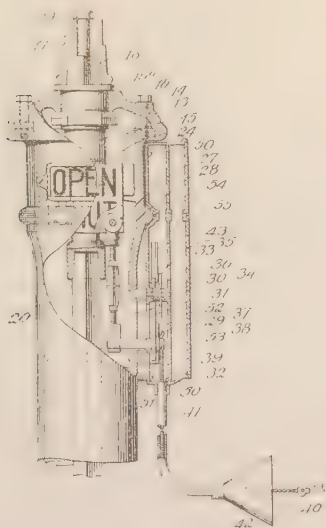
1. In a supervisory mechanism, a valve provided with a stem, means for imparting a longitudinal movement to said stem to move the valve from its normal position, in combination with a recording device normally accessible for making a record, and electrically controlled mechanism connected to said device and set by the movement of the valve to render the device inaccessible for making a record.

1,407,816. SUPERVISORY MECHANISM. ELLIS C. HEALY, East Orange, N. J., assignor to Newman Clock Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 8, 1919. Serial No. 288,609. 10 Claims. (Cl. 70-79.)



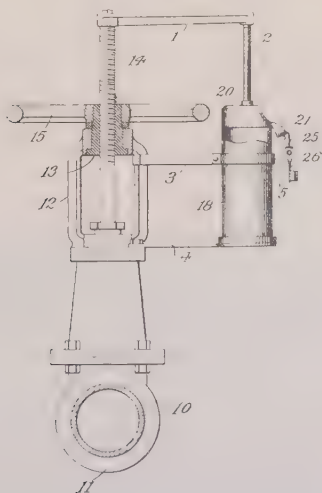
1. In combination, a valve, a plurality of manually operable recording devices, and means controlled by said valve for rendering one or another of said devices available to produce a record depending on the condition of said valve.

1,407,817. YARD POST. CHARLES E. RENSHAW and ELIS C. HEALY, East Orange, N. J., assignors to Newman Clock Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 8, 1919. Serial No. 288,591. 11 Claims. (Cl. 70—79.)



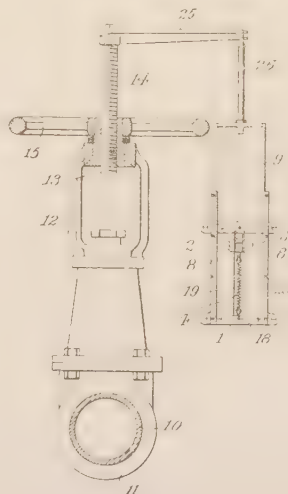
1. A yard valve provided with a stem, a target mounted upon said stem and adapted to move rectilinearly when the latter is rotated, in combination with recording instrumentalities connected to said target normally accessible for making a record, and means for rendering said instrumentalities inaccessible when a few revolutions are imparted to said stem to move the valve from normal position.

1,407,818. SUPERVISORY MECHANISM. CHARLES E. RENSHAW, East Orange, N. J., and HERBERT C. DAVIS, New York, N. Y., assignors to Newman Clock Company, Inc., New York, N. Y., a Corporation of New York. Filed June 12, 1919. Serial No. 303,610. 10 Claims. (Cl. 70—79.)



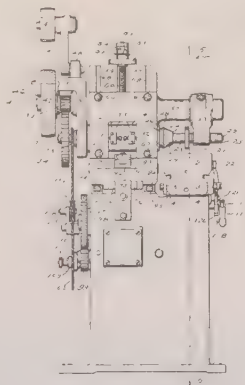
1. In combination, a valve, a key receptacle having a closure, stationary means for preventing opening of said closure, when said receptacle is in a predetermined position with respect to said means, and means for causing movement of said receptacle on operation of said valve.

1,407,819. SUPERVISORY MECHANISM. CHARLES E. RENSHAW, East Orange, N. J., assignor to Newman Clock Company, Inc., New York, N. Y., a Corporation of New York. Filed June 12, 1919. Serial No. 303,609. 11 Claims. (Cl. 70—79.)



1. In combination, a valve, a record producing key movable from an operative to an inoperative position and vice versa and biased to operative position, and means operatively connected to said valve for rendering said key inoperative when said valve is moved from normal position.

1,407,820. MILLING MACHINE. CHARLES D. RICE, West Hartford, Conn. Filed May 26, 1920. Serial No. 384,355. 50 Claims. (Cl. 90—16.)

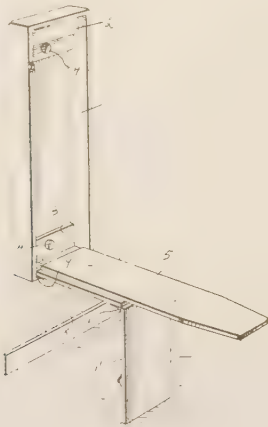


1. A milling machine comprising a bed, a table slidable on the bed, a head pivotally mounted on the bed, mechanism for coordinately reciprocating the table horizontally and oscillating the head vertically, a mill spindle rotarily mounted in the head, and mechanism for rotating the spindle.

1,407,821. FOLDABLE IRONING BOARD. JAMES H. RICHARDSON, Faulkton, S. D. Filed Feb. 7, 1921. Serial No. 443,112. 1 Claim. (Cl. 68—10.)

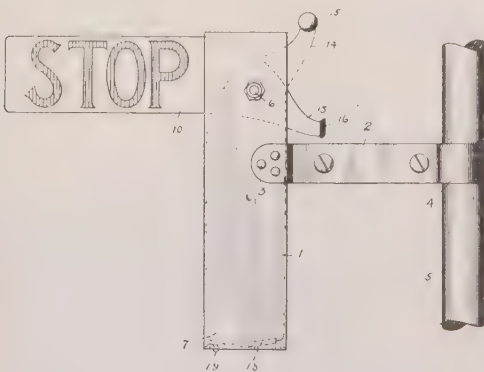
The combination with a housing to be supported on the wall, a door having a lower panel hingedly connected at its lower edge to the housing and adapted when closed to assume a position with its outer face flush with the front edges of the housing, an upper panel hingedly connected

to the lower panel, and adapted to support the lower panel in a horizontal position when removed from the housing, and adapted to close the upper part of the housing when



disposed in vertical position, and an ironing board carried by the lower panel, and adapted to enter the housing, when the door is closed.

1,407,822. SIGNALING DEVICE. GEORGE ROSCOE, Two Harbors, Minn. Filed Sept. 3, 1921. Serial No. 498,272. 2 Claims. (Cl. 116-53.)

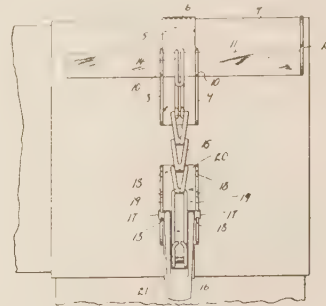


1. An automobile signal of the class described comprising an upright, oblong housing, a supporting arm fixed to the housing having means for attachment to a part of the automobile, a plurality of thin flat signal arms pivotally mounted adjacent the upper end of the housing, said arms having a reduced portion thereof extending inwardly beyond and above the receptacle towards the automobile, the reduced portions of the outermost arms diverging, by which they are actuated, said arms being held frictionally tight within the receptacle whereby they will remain in any position placed manually, substantially as and for the purpose described.

1,407,823. CURTAIN FIXTURE. STEPHEN SIMON and WILLIAM O'NEILL, New Haven, Conn. Filed May 31, 1921. Serial No. 473,757. 1 Claim. (Cl. 156-24.)

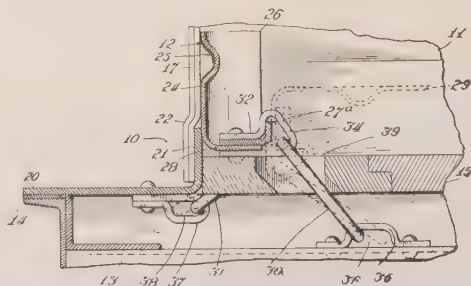
A curtain fixture comprising top and bottom brackets, an arm supported by the said top-bracket, a chain hooked

onto the said arm, and a latch connected with the lower end of the chain, said latch provided on opposite sides



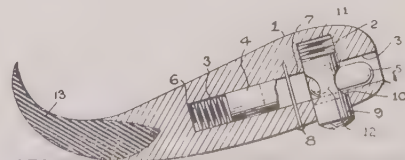
with lugs, said bottom-bracket having side flanges formed with notches for the reception of said lugs.

1,407,824. DROP-END GONDOLA CAR. VINTON E. Sisson, Chicago, Ill., assignor to Walter P. Murphy, New York, N. Y. Filed July 6, 1920. Serial No. 394,049. 19 Claims. (Cl. 105-406.)



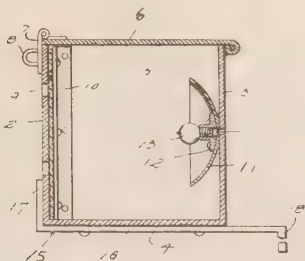
1. In a drop end gondola car, the combination with the body of the car, of a drop end gate and means for flexibly connecting said gate to the car body, comprising links secured to the lower edge of the gate and to the car body which stand at an angle to each other and are put in tension by the thrust of the cargo on the gate.

1,407,825. MECHANICAL TOY. DOROTHY N. STEWART and JOHN L. WILLIAMS, Philadelphia, Pa., assignors to Academy Club Toy Making, Philadelphia, Pa., a Copartnership consisting of Dorothy N. Stewart and Otey Williams. Filed Feb. 6, 1920. Serial No. 356,662. 6 Claims. (Cl. 46-40.)



1. In a toy, the combination of a body portion having intersecting recesses, a striking plunger arranged in one of said recesses, a spring operatively engaging one end of said plunger and normally held under compression and a locking plunger arranged in the other recess and normally spring pressed to retain the striking plunger in retracted position, said locking plunger having a transverse passageway positioned to register with the striking plunger recess when the locking plunger is moved to releasing position and to permit spring actuated movement of the striking plunger therein.

1,407,826. AUTOMOBILE SIGNAL. WILLIAM R. WEBBER, Wilsall, Mont. Filed Jan. 16, 1920. Serial No. 351,883. 1 Claim. (Cl. 40—133.)



A signal box with an upstanding signalling wall, attaching brackets on which the box rests having upstanding lugs secured to the exterior thereof, transparent panels for said wall, retainers for the panels secured to the wall and serving to reinforce it, and a movable cover for the box normally disposed over the panels to retain them in place and locking means for the cover cooperating with the exterior of said wall in line with one of said retainers to brace said wall at the upper portion.

1,407,827. RULE POCKET. CHARLES R. WOOD, Fargo, N. D. Filed Sept. 25, 1920. Serial No. 412,764. 4 Claims. (Cl. 2—15.)

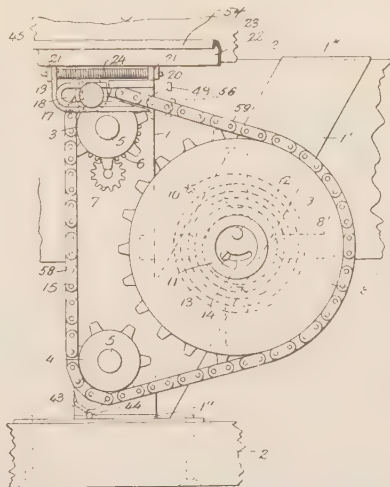


4. In a pocket, the combination with a portion of a garment, a piece of fabric fastened to the garment and provided with an elongated opening at its upper portion, a cover attached to the piece of fabric over the opening with one edge free, thereby permitting access to be had to the interior of the pocket, a portion of said cover being attached along one edge of said opening, thereby causing a compartment to be formed between the cover and the piece of fabric, said cover having an opening to permit a pencil to be inserted into said compartment, and a strip fastened to the inner face of the piece of fabric adjacent the lower part of said opening.

1,407,828. CLOSURE OPERATOR. WILLIAM ASBURY, New York, N. Y., assignor to Straight Line Regulator Corporation, New York, N. Y. Filed July 12, 1918. Serial No. 244,468. 10 Claims. (Cl. 268—4.)

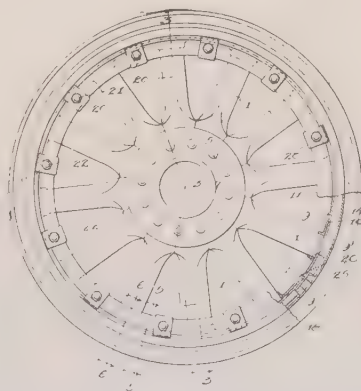
1. In a closure operating mechanism, the combination with a slidably mounted and laterally displaceable closure member, of operating means for said closure member, connections between the closure member and said operating means including a resiliently operated part con-

structed normally to urge the closure member toward its laterally displaced position, and the operating means



comprising a part for controlling the effectiveness of said connections to laterally displace the closure member.

1,407,829. SEMIWOOD WHEEL FOR MOTOR TRUCKS. ERLE KING BAKER, Chicago, Ill., assignor to Baker Wheel & Rim Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 15, 1919. Serial No. 271,224. 3 Claims. (Cl. 301—67.)



1. A semi-wood motor vehicle wheel, comprising a plurality of radial wooden spokes, having mutually coactive mitered butts, in combination with a spoke spacing and spoke holding metal band tightly embracing the ends of the spokes, and a fixed rim firmly tensioned upon said spacing band and the ends of said wooden spokes, and sealing the end-grain of the wooden spokes.

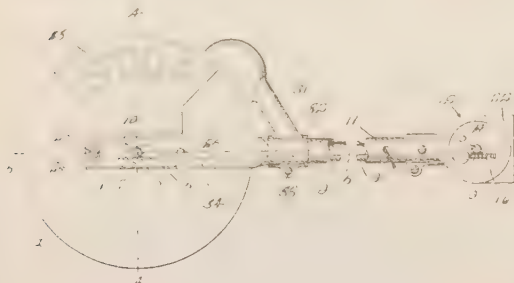
1,407,830. CAN-PIERCING TOOL. RICHARD T. BASHER, Giroux Lake, Ontario, Canada. Filed June 23, 1920. Serial No. 391,116. 2 Claims. (Cl. 164—120.)



1. A can piercing tool adapted to punch a hole adjacent the edge of a can rim comprising handles pivoted

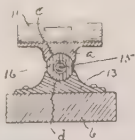
together and provided with opposed jaws, one jaw being formed with laterally spread horns and the other with a piercing prong movable by the operation of the handles from a position in front and away from the points of the horns to a position overlapping the points of the horns, the point of the prong being always forward of a line joining the points of the horns.

- 1,407,831. DIRECTION INDICATOR FOR VEHICLES. GEORGE E. BATES, Syracuse, N. Y. Filed Aug. 10, 1920. Serial No. 402,616. 13 Claims. (Cl. 116—47.)



1. A direction indicator for vehicles comprising forwardly and rearwardly facing indicator members, a rotatable axle on which the indicator members are fixed, a support arranged between said members and formed with a slot open at one end for receiving the axle through its open end, and actuating means extending across the open end of the slot and coacting with the axle to hold it from displacement, and to actuate it, substantially as and for the purpose described.

- 1,407,832. TRACTION APPENDAGE FOR WHEEL TIRES. ALBERT E. BIHLER, Omaha, Nebr. Filed Aug. 30, 1919. Serial No. 320,875. 2 Claims. (Cl. 152—14.)



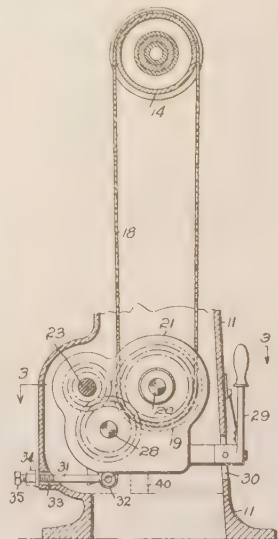
2. In a traction appendage for wheel tires, a tread plate adapted to be secured to the tread of a tire, a bearing block for contact with the road way, said tread plate and bearing block having pairs of spaced apart ears adapted to register, a pintle secured through said ears for hinging the bearing block to the tread plate, and a roller loosely mounted on the pintle between the tread plate and the bearing block, and between said ears for directly taking up and transmitting stresses between the bearing block and tread plate when the bearing block is supporting the wheel, said roller being adapted to permit of the turning of the bearing block upon the tread plate while supporting the load, and relieving the pintle and ears from stress.

- 1,407,833. GAUGE BLOCK. BRYANT H. BLOOD, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed June 28, 1919. Serial No. 307,459. 3 Claims. (Cl. 23—168.)



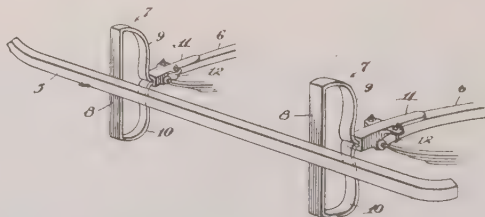
1. A gauge block provided with opposite parallel flat end faces and having sand blasted lateral surfaces whereby said surfaces are uniformly roughened, said sand blasted surfaces being mud blasted to give them a dull finish.

- 1,407,834. MACHINE-TOOL DRIVING MECHANISM. CONSTANT BOULLON, Torrington, Conn., assignor to Hendey Machine Company, Torrington, Conn., a Corporation of Connecticut. Filed June 3, 1920. Serial No. 386,399. 5 Claims. (Cl. 74—21.)



1. Driving mechanism for a machine tool having a spindle and a hollow upwardly extending support for said spindle, comprising a pulley to rotate said spindle, a driving shaft mounted in fixed bearings in the base of said support, change speed mechanism connected to said shaft and mounted to swing as a unit about the axis of said shaft, a driving pulley rotated by said change speed mechanism and mounted thereon eccentric to said driving shaft, and a belt disposed within said support and connecting said two pulleys by substantially vertical runs, said belt being tightened by downward angular movement of said change speed mechanism about its pivot.

- 1,407,835. BUMPER BRACKET. WILLIAM HENRY BOVARD, EDWARD LAWTON BARKER, and CHARLES S. JENKINS, Los Angeles, Calif.; said Barker assignor to said Bovard and said Jenkins. Filed Jan. 27, 1920. Serial No. 354,339. 3 Claims. (Cl. 293—55.)

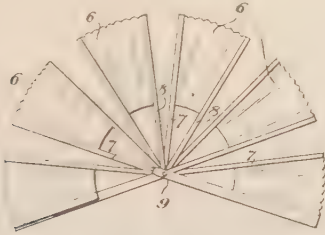


2. A supporting bracket for vehicle bumpers comprising a vertically extending portion adapted to be affixed to a bumper bar and to project upwardly and downwardly therefrom, and rearwardly extending resilient members connecting with the ends of said vertical portion having their terminations located adjacent to each other.

- 1,407,836. TRICK FAN. CARL F. BREHMER, Philadelphia, Pa. Filed Dec. 9, 1920. Serial No. 429,366. 1 Claim. (Cl. 46—41.)

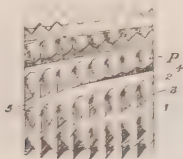
A trick fan comprising a plurality of sections each comprising a sector shaped web portion and ribs to which the side margins of the web portions are attached,

the ribs being so pivoted to each other that when the fan is opened in one direction the web portions will limit the movement of the ribs and thereby form a fan of ordinary appearance and utility, but when opened in



the opposite direction will permit the several sections to swing clear of each other, the ribs being formed of longitudinally creased and folded sheet metal, and the side margins of the web portions being clamped in the folds of said ribs.

1,407,837. THREAD-MILLING HOB AND METHOD OF MAKING. EARLE BUCKINGHAM, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 1, 1919. Serial No. 341,790. 64 Claims. (Cl. 76-101.)



1. A thread milling hob having a plurality of generally longitudinal helical lands with helicoidal front cutting faces and having sets of right and left hand V-shaped helical grooves intersecting each other and intersecting the cutting faces to form similar relieved thread cutting teeth extending backward from the said cutting faces.

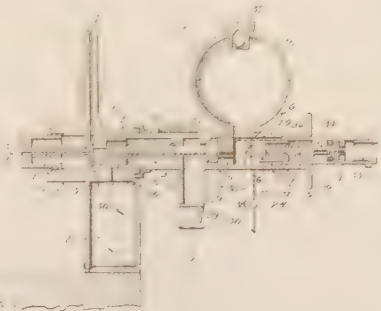
25. A differently diametered thread milling hob having a plurality of longitudinal helical lands with helicoidal front cutting faces and having sets of right and left hand V-shaped helical grooves intersecting each other and intersecting the cutting face to form similar relieved thread cutting teeth extending backward from the said cutting faces, the teeth at each cutting face being staggered with respect to those at each adjacent cutting face.

56. The herein-described method of making a thread milling hob, the method consisting in cutting sets of right and left hand helical V-shaped grooves in a blank, in cutting generally longitudinal gashes in the blank to form lands with undercut nonradial front cutting faces, in providing the grooves of the two sets with effective angles at the sides thereof which are different from the angles of the corresponding sides of the teeth to an extent dependent on the amount of undercut, and in so relating the said grooves and gashes that their edges intersect at common points to form similar relieved thread cutting teeth extending backward from the said undercut faces.

1,407,838. BEVERAGE-VENDING MACHINE. DANIEL J. BUTTERFIELD, Los Angeles, Calif. Filed Nov. 2, 1920. Serial No. 421,393. 2 Claims. (Cl. 225-26.)

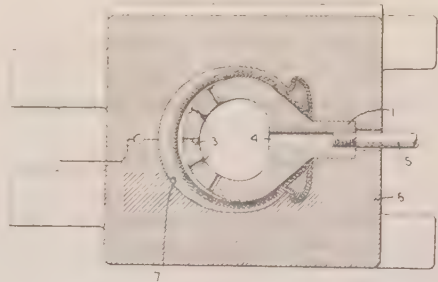
1. In a machine of the class described, the combination of a casing provided with a nozzle, a manually-operated coin-controlled valve device in said casing, a liquid-operated auxiliary valve device in said casing,

means formed upon the casing for permitting liquid to pass by said valve devices and be discharged through the



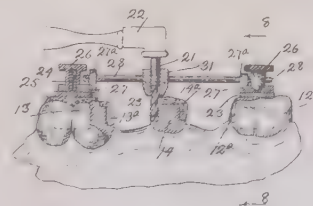
nozzle when the valve devices are operated, and a container mounted upon said casing and adapted to be emptied when the valve devices are operated.

1,407,839. METHOD FOR THE MANUFACTURE OF TIRES. JAMES C. CLINEFELTER and HERBERT RIES, Barberton, Ohio. Filed June 2, 1921. Serial No. 474,324. 2 Claims. (Cl. 18-56.)



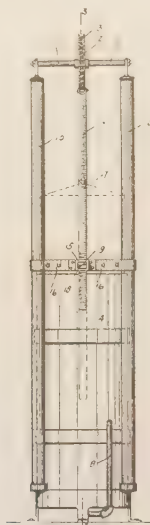
1. The process of manufacturing tires, comprising applying to a form a sheet of rubber in partially cured condition, preparing the outer surface of the rubber sheet to render it adhesive, building the tire carcass about the sheet of rubber, expanding the carcass by fluid pressure introduced between the form and the sheet of rubber and curing the tire, whereby the rubber sheet becomes an integral part of the tire structure.

1,407,840. DENTAL PARALLEL-CAVITY FORMER. HENRY L. CRUTTENDEN, Northfield, Minn. Filed Mar. 22, 1921. Serial No. 454,446. 7 Claims. (Cl. 32-10.)



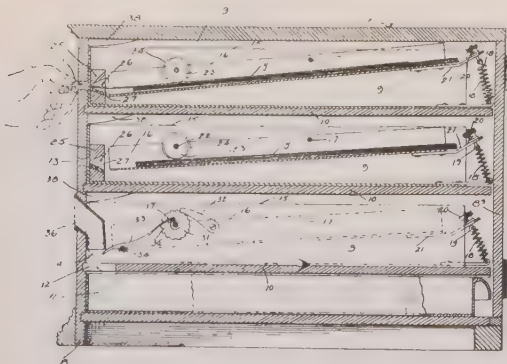
1. A dental parallel cavity former, adapted for application to teeth of the human jaw comprising a head-guide, means for anchoring said head-guide to spaced teeth, and a tool guide-head slidable on said head-guide and having a guide passage through which a drill or similar dental tool may be freely passed.

1,407,841. EQUALIZING DEVICE FOR SPIROMETERS. CHRISTIAN H. DANE, Minneapolis, Minn. Filed Oct 22, 1920. Serial No. 418,753. 3 Claims. (Cl. 73-112.)



1. The combination with a gasometer having a movable bell, of a counterbalancing device for said bell comprising a cable guiding wheel and a weighted cable passed over said wheel and connected to said bell, the weight of said cable, per lineal unit of distance, being one-half of the weight of the water displaced by said bell when moved the same vertical distance.

1,407,842. LEGAL-BLANK-VENDING MACHINE. JOHN O. DAVIS, Minneapolis, Minn., and JESSE H. STICE, Tama, Iowa; said Stice assignor to said Davis. Filed Dec. 15, 1920. Serial No. 430,942. 10 Claims. (Cl. 211-S.)

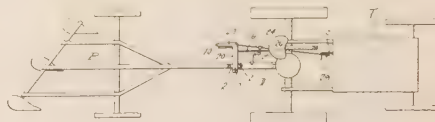


2. A vending machine comprising an enclosing case, a drawer in said case, a sheet-supporting table movably mounted within said drawer, a feed roller overlying one end of said table and against which sheets on said table are arranged to be pressed, and means for locking and releasing said feed roller, said case having an elongated delivery passage through which the sheets are adapted to be fed, one at a time.

1,407,843. TRACTOR HITCH. FRED P. DEDERING, Kiel, Wis. Filed July 21, 1920. Serial No. 397,967. 3 Claims. (Cl. 180-14.)

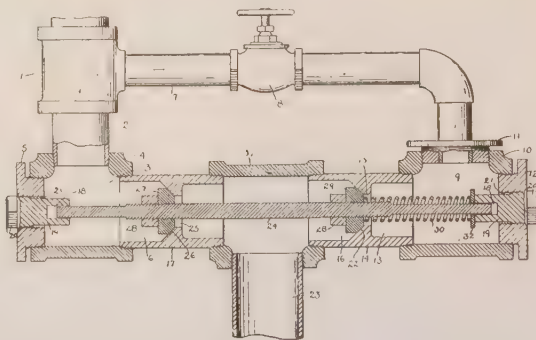
1. A hitch for communicating progressive movement from a tractor to a trailer, consisting of relatively mov-

able pivotally connected members extended transversely of the line of draft, said members having means for connection respectively with a tractor draft bar and a trailer draft beam, substantially on the line of draft and slightly offset laterally from the pivotal connection of said members, a spring cushioning means connecting the free ends of said members at the opposite side of the



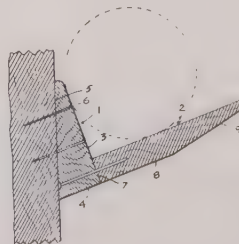
line of draft from the pivotal connection of the members to yieldingly resist swinging movement of the member connected with the trailer, and the connection between the last-named member and the clutch mechanism of the tractor.

1,407,844. CONSTANT-VOLUME VALVE. MAURICE J. DEWEY, Houston, Tex. Filed June 8, 1920. Serial No. 387,341. 7 Claims. (Cl. 50-11.)



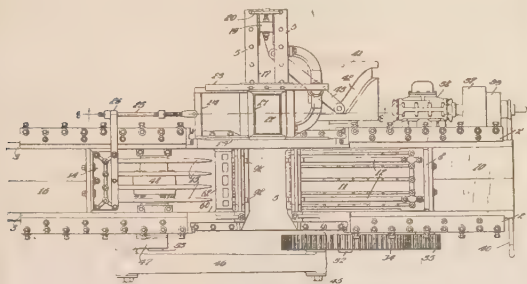
1. In a device of the character described, two connected valve chambers, valves controlling the passage of fluid therethrough, said valve being mounted on a single valve rod, and adapted to open in the same direction, a large inlet pipe adapted to conduct fluid against one of said valves so as to cause it to close, a by-pass leading to the opposite face of the other valve to assist in equalizing the fluid pressure, and a spring acting to normally force said valve rod and valves from their seats.

1,407,845. DISPLAY SHELF. ARTHUR W. DEWITT, Emeryville, Calif. Filed Apr. 4, 1921. Serial No. 458,333. 4 Claims. (Cl. 211-27.)



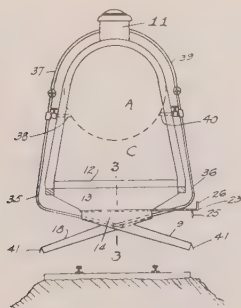
1. A shelf of the character described embodying in its construction right angularly extending strips, one of which is adapted to be secured in substantially upright position to a support and is provided with an inclined rear face for engagement with the support to which it is secured.

1,407,848. CEMENT-WORKING MACHINERY. CHARLES M. EBERLING, Cleveland, Ohio, assignor to The Eberling Machinery Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 27, 1919. Serial No. 333,472. 11 Claims. (Cl. 25—101.)



1. In a device of the character described, the combination with a support for plastic material, of two mechanisms located upon opposite sides thereof and adapted to operate on such material, a bell crank lever, connecting rods connected to the arms of said lever and having their opposite ends operatively connected to said mechanisms respectively, and means for oscillating said lever, the angle between said arms and their respective connecting rods being such that one of said mechanisms will be moved to and held in operating position during the time that the other mechanism is being advanced and retracted, whereby said mechanisms are caused to operate successively.

1,407,847. ASH HANDLER. WILLIAM D. ENGELKE, St. Paul, Minn. Filed Jan. 15, 1920. Serial No. 351,532. 5 Claims. (Cl. 110—171.)

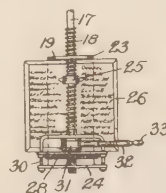


1. In combination with a locomotive boiler and fire grate, an ash receiver below said grate having conveying means leading from the bottom of the receiver outwardly to either side of the road bed below the locomotive, means for directing the ashes from the fire grate to said ash receiver and a steam connection with said boiler arranged to blow a blast of steam outwardly through said conveying means to eject ashes from said receiver to either side of said road bed.

1,407,848. STREET INDICATOR. JOSEPH ALFRED EVERRELL, Quebec, and ERNEST PLAMONDON and UBALD PLOURDE, Ste. Anne de Beaupré, Quebec, Canada. Filed Apr. 1, 1921. Serial No. 457,771. 2 Claims. (Cl. 116—124.)

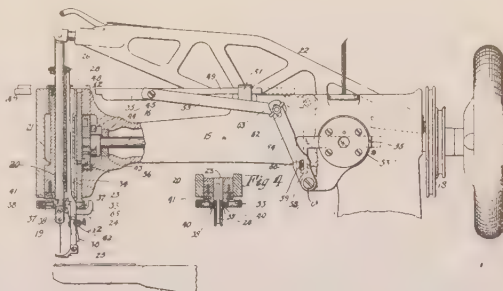
1. Signal mechanism for street indicators, comprising a vertical table marked with the names of the streets or stations arranged in consecutive order, said table having forwardly-projecting lugs at its top and bottom provided with aligning openings; a vertical shaft extending through

said openings and journaled in the lower one, the portion of the shaft between said lugs being threaded; a travelling pointer mounted on said threaded portion for cooperation with the names on the table; a frame mounted horizontally at the foot of the pointer shaft; a stub



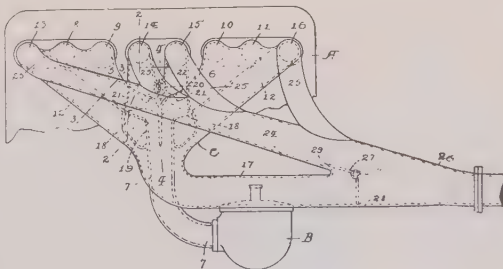
shaft journaled in the frame; a gear connection between the lower ends of the stub shaft and pointer shaft to rotate the latter from the former; and a pawl-and-ratchet device connected to said stub shaft to operate the same.

1,407,849. SEWING MACHINE. WILLIAM EVERS, Buffalo, N. Y. Filed Apr. 24, 1919, Serial No. 292,248. Renewed Nov. 18, 1921. Serial No. 516,249. 8 Claims. (Cl. 112—204.)



1. In a machine of the character described, the combination of an oscillatory feeding-foot, means for vibrating the foot, and automatic means for changing the angular position of the foot after each feed stroke to produce a zig-zag stitch.

1,407,850. GAS GENERATOR. FRANK G. FARR, Fairmont, Minn. Filed Dec. 16, 1918. Serial No. 266,994. 2 Claims. (Cl. 123—122.)



1. In a device of the class set forth, the combination, with an internal combustion engine of multiple cylinder form, having a combined fuel and exhaust manifold formed with a single narrow trunk containing two main ducts, from the fuel supply portion of which fuel supply branches spread to the fuel supply ducts of the engine and from the exhaust portion of which exhaust branches spread to the exhaust ducts of the engine, said

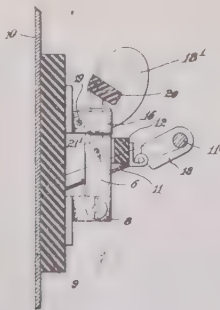
fuel and exhaust branches being merged into single structures for each cylinder, said trunk being formed at the junction of said fuel supply and exhaust branches with a hot pan to concentrate heat, and said exhaust side of said trunk being extended laterally, and having an auxiliary branch directly connected by external spreading branches with the exhaust ducts of the engine to provide two direct lines of travel for the exhaust gases from the engine, one by way of the hot pan and the other by way of a direct connection isolated from the hot pan, and a valve in said exhaust manifold arranged to open or modify one branch while the other is closed or modified, to direct the exhaust gases in contact with or remotely away from said pan.

1,407,851. MEASURING INSTRUMENT. FRANK FLAIG, Danville, Ky. Filed Mar. 7, 1921. Serial No. 450,318. 1 Claim. (Cl. 265-45.)



A measuring instrument for simultaneously determining temperatures and specific gravities, consisting of a thermometric float having a mercury chamber and longitudinally extending tube opening out of said chamber, the aforesaid tube having measurement markings of a Fahrenheit scale, an adjacent centigrade scale, and an adjacent specific gravity scale, the aforesaid scales being suitably positioned for permitting of simultaneous readings, and a suitable weight in the bottom of the float chamber, substantially as and for the purposes described.

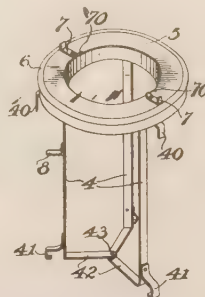
1,407,852. ELECTRIC SWITCH. BENJAMIN E. GETCHELL, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed Apr. 26, 1920. Serial No. 376,802. 11 Claims. (Cl. 200-151.)



3. In a knife switch, a hinged blade, a stationary contact, a pair of pivoted insulating shield members on op-

posite sides of and closely adjacent to said contact, an insulating barrier carried by and between said pivoted members, and a link connecting said blade and one of said pivoted members.

1,407,853. ICE-CREAM-CAN HOLDER. JOSEPH GOLD-SMITH, Seattle, Wash. Filed Oct. 6, 1920. Serial No. 415,014. 11 Claims. (Cl. 217-36.)



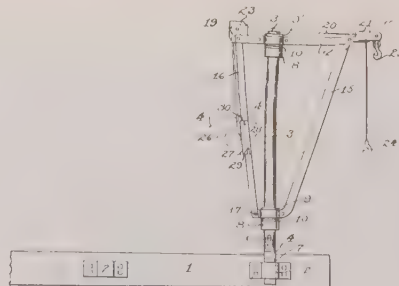
1. A can spacer for ice cream tubs comprising vertical arms connected at top and bottom to receive the can between them, the connection at their top comprising an annulus forming a spacer closing the space between the can and tub walls.

1,407,854. PRESS STUD. FLORIS GOUBERT, Paris, France. Filed Sept. 3, 1921. Serial No. 498,299. 1 Claim. (Cl. 24-218.)



A fastener, comprising a cup-shaped female member having an upstanding flap provided with a pair of opposite notches; a spring mounted in said member and having a part disposed against the rim thereof and having other parts engaged in said notches; and a finger on said member overlying the first-named part of the spring to secure the latter in place.

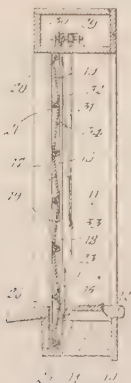
1,407,855. PORTABLE CRANE. CHARLES FREDERICK GREEN, Sacramento, Calif. Filed Apr. 6, 1921. Serial No. 459,056. 2 Claims. (Cl. 212-65.)



1. A portable crane especially adapted for railway cars, comprising a mast with a base adapted to fit within a stake-pocket of the car; upper and lower rotatable sleeves surrounding said mast; a boom formed of a pair of laterally spaced members partially embracing and secured to the upper sleeve and extending in both direc-

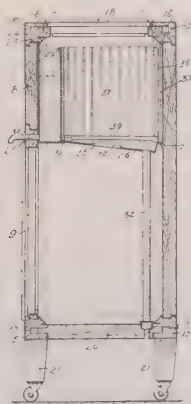
tions therefrom; a compression brace formed of a pair of parallel members extending between the forward end portion of said boom and the lower sleeve, the lower end portions of the brace members being clamped about said lower sleeve and extending rearwardly therefrom; a pair of laterally spaced tension brace members extending between the rear end portion of the boom and the rear projecting ends of said compression brace members; and hoisting tackle carried by the boom and tension brace.

1,407,856. WINDOW SHUTTER. CARMELO GUGINO, Buffalo, N. Y. Filed Dec. 4, 1920. Serial No. 428,193. 9 Claims. (Cl. 189—60.)



1. A shutter of the character described, comprising a pair of opposing guideways, and a plurality of hinged sections connected by pintles engaging said guideways, the latter being provided in their sides with pintle-inlet and exit passages for permitting movement of alternate pintles into and out of engagement with the guideways.

1,407,857. TANK REFRIGERATOR. HERBERT J. GWYER, Yonkers, N. Y. Filed July 26, 1920. Serial No. 398,975. 11 Claims. (Cl. 217—7.)

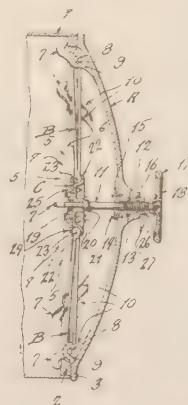


1. In a construction of the character described, a cabinet having a removable top, a tank having means thereon for supporting said tank in said cabinet, and said top serving to hold said means in place.

1,407,858. CLOSURE FOR FRONT ENDS OF LOCOMOTIVES. CHARLES HARTER, St. Louis, Mo., assignor of one-half to John E. O'Brien, St. Louis, Mo. Filed July 8, 1920. Serial No. 394,769. 6 Claims. (Cl. 220—55.)

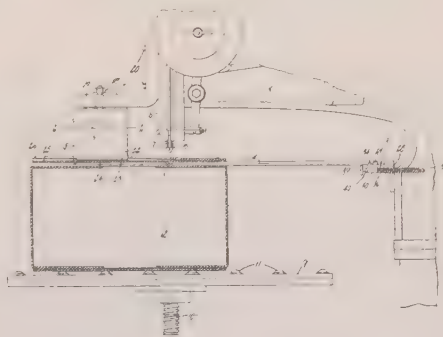
1. A locomotive front end comprising a cylindrical shell provided with a ring at its outer end, the outer face of

said ring being provided with an annular closure seat, a front end door adapted to engage said closure seat, a hinge adapted to support said door in its open position, clamping jaws in the form of levers pivotally secured to the inner side of said door and adapted to en-



gage the inner face of said ring, operating means extending through said door, said operating means including a manually actuated operating member at the outer side of the door, and a thrust device whereby motion is transmitted from said operating means to said clamping jaws.

1,407,859. SHIPPING-CASE-RIVETING MACHINE. ARTHUR R. HAVENER, Wayland, Mass., assignor to Judson L. Thomson Mfg. Co., a Corporation of Massachusetts. Filed Dec. 1, 1920. Serial No. 427,522. 5 Claims. (Cl. 1—15.)



1. A shipping case riveting machine having, in combination, a horizontally disposed anvil blade, a pivot upon which the front end of said anvil blade is mounted and a stationary support upon which the rear end of said anvil blade is adapted to be supported and riveting instrumentalities positioned adjacent to said anvil blade and intermediate said pivot and support, means to lock said anvil blade to said support, and means adapted to be manually operated by movement of a case on said anvil blade to unlock said anvil blade so as to allow the same to be swung on said pivot to allow said case to be removed from said anvil blade.

1,407,860. MULTIPLE SOCKET WRENCH. PAUL E. HAWKINSON, Minneapolis, Minn. Filed Nov. 22, 1920. Serial No. 425,928. 4 Claims. (Cl. 81—58.)

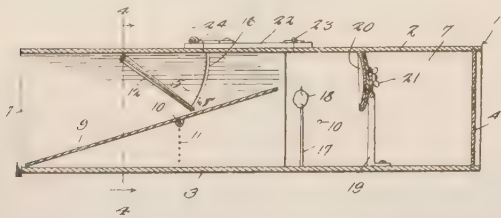
1. A wrench of the kind described comprising a brace having a swiveled cap, a multiple arm head rotatively mounted on the brace, the arms of said head having nut

sockets of different sizes, and means for locking said head with one of the nut sockets substantially aligned with



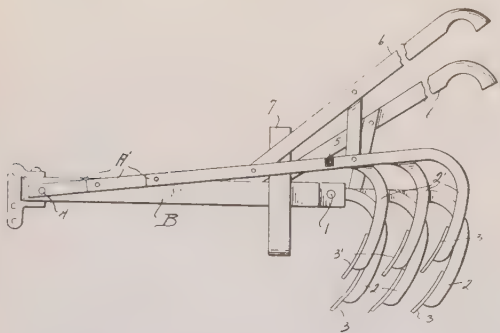
the cap and with another of said nut sockets substantially aligned with that portion of the brace to which it is pivoted.

1,407,861. RAT TRAP. JOSEPH W. HIETT, Conway, Ark. Filed Feb. 11, 1921. Serial No. 444,189. 2 Claims. (Cl. 43—69.)



1. In a device of the class described, a casing; a tiltable platform located in the casing; a magnifying reflector located in the casing; and a bait support located in the casing, between the inner end of the platform and the reflector, the bait support being so constructed that the bait thereon will be hidden by the inner end of the platform.

1,407,862. PLOW. MATHEW C. HINKLE, Enders, Ark. Filed Apr. 30, 1921. Serial No. 465,881. 2 Claims. (Cl. 97—10.)

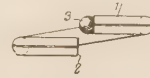


1. An implement of the class described comprising a beam, a gang of plow beams secured to one side of the beam, a second gang of plow beams positioned at the opposite side of the first named beam and pivotally engaged therewith, a handle member carried by each of the gangs of plow beams, and means carried by the first named beam and coacting with a plow beam of the second gang for limiting the relative swinging movement in opposite directions of said second gang and first named beam.

1,407,863. RING. JOHN HOCHENAUER, Jr., St. Joseph, Mo., assignor to Missouri Paper Products Company, St. Joseph, Mo., a Corporation of Missouri. Filed Oct. 14, 1920. Serial No. 416,989. 3 Claims. (Cl. 129—1.)

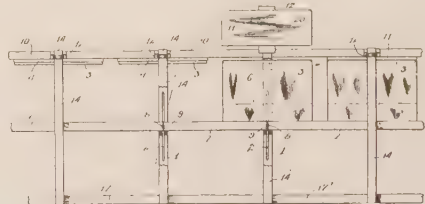
3. The herein described article of manufacture, consisting of a hollow resilient slitted ring divided to leave

two opposing ends, and a ball fastened within one end and of such a size as to partly but not completely enter



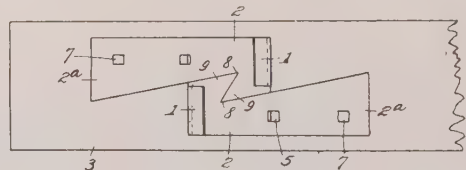
into the hollow opposing end whereby a slight lateral push will separate the ends of the ring.

1,407,864. CARTON-ASSEMBLING DEVICE. CHARLES V. HOGAN, Cleveland, Ohio, assignor of one-half to The W. S. Gilkey Printing Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 8, 1920. Serial No. 394,792. 3 Claims. (Cl. 93—36.)



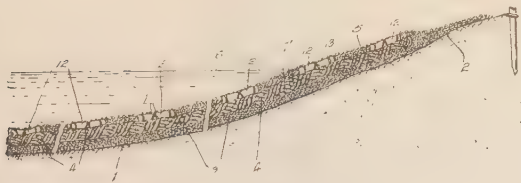
3. In a carton assembling device, the combination of a row of standards of equal height; carton receiving platens secured to the tops of said standards; a longitudinal rail supported adjacent to and parallel with said platens; clamping members for each of said platens pivoted to said longitudinal rail; means for retaining said clamping members in clamping position and a supporting bar adjustably mounted on said standards below said platens.

1,407,865. RAIL BRACE. MATHEW JICHA, Bridgeport, Ohio. Filed June 21, 1921. Serial No. 479,365. 1 Claim. (Cl. 238—291.)



A rail chair and brace comprising complementary reversely disposed members, each consisting of a flat plate for resting upon a cross tie in underlying relation to a rail base, one end of said plate being turned back to form a hook for embracing an edge of the base of the seated rail, said plate being prolonged in the direction opposite the hook to a considerable distance from said rail and having a spike hole therein adjacent to the outer end thereof, the inner lateral edges of said members being reversely inclined throughout and provided with acute reentrant angles whereby are formed acute angled wings which occupy interlocked relation, the outer edge of each wing being engaged with the inclined edge of the opposite member and having an inclination corresponding with that of the latter.

1,407,866. REVETMENT. EDWARD JONES, Leavenworth, Kans. Filed Dec. 27, 1920. Serial No. 433,235. 10 Claims. (Cl. 61—38.)



7. A revetment comprising a rock material base, a combined woven willow and rock material body laid upon said base and a rock material coating for said combined woven willow and rock material body.

1,407,867. SOCKET AND BOWL FOR FISHING TOOLS. ERNEST U. KELLER, Pawhuska, Okla. Filed Jan. 6, 1921. Serial No. 435,440. 8 Claims. (Cl. 294—102.)

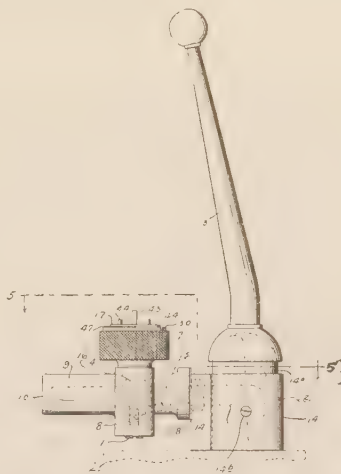


1. In a fishing tool, the combination of a socket, said socket having an exterior shoulder formed thereon adjacent one end, a bowl adapted to be passed over the opposite end of the socket, a shoulder on the interior of the bowl adapted to engage the socket shoulder, and a removable locking member for locking said shoulders in engagement and preventing longitudinal movement of the bowl on the socket.

1,407,868. LOCK. OSKAR K. KLEIN, St. Louis, Mo. Filed Dec. 4, 1920. Serial No. 428,295. 20 Claims. (Cl. 70—47.)

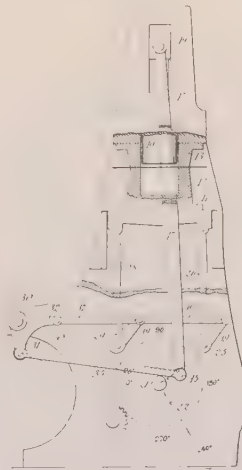
1. The combination of a casing having a plurality of sleeves or collars, a reciprocable locking member located therein and bearing a rack, a rotatable member located therein and bearing teeth adapted to engage the said rack and to reciprocate the said locking member when the said rotatable member is rotarily reciprocated, a central arbor in fixed relation to the said casing, a casing in fixed relation to the said rotatable member and containing a notched plate, a pair of plates in fixed relation

to the said arbor, a plurality of ward-bearing members located between the said plates, some of the said wards



being in locking engagement with the said notched plate, and a key adapted to release the said locking engagement.

1,407,869. DRAWING PRESS. WILLIAM KLOCKE, Woodhaven, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a Corporation of West Virginia. Filed Apr. 9, 1920. Serial No. 372,625. 29 Claims. (Cl. 113—38.)

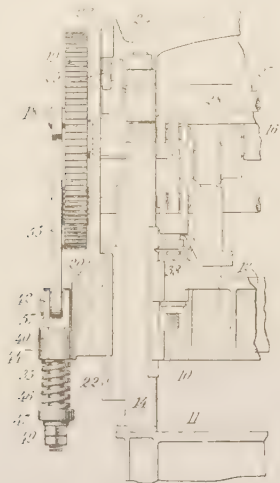


1. A drawing press comprising a punch, and a die or blank-holder carrying slide, adapted to reciprocate in opposite directions, and a driving part for said reciprocatory press parts, said driving part being on the side of said slide opposite said punch, connections between said driving part and said reciprocatory press parts, one of said reciprocatory parts being adapted to act through its connections upon said driving means in a direction to counter-act the resistance on said driving means on the other reciprocatory part, due to its weight, said first named part thereby acting as a counter-weight for said other part.

1,407,870. SAFETY DEVICE FOR SLIDE-OPERATING MECHANISM IN PRESSES. WILLIAM KLOCKE, New York, N. Y. Filed June 1, 1920. Serial No. 385,509. 8 Claims. (Cl. 113—38.)

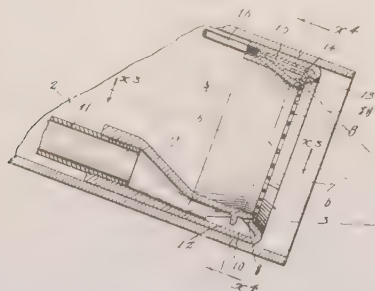
1. A drawing press comprising a frame, a blank-holder or die-carrying slide, a drive-shaft, and driving connec-

tions between said slide and shaft, including parts between said blank-holder slide and frame capable of being set to rigidly press said blank-holder slide against a



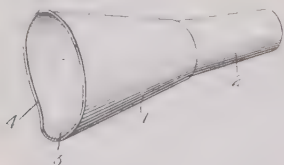
blank, said connections also having a resilient part therein between the drive-shaft and said parts capable of being rigidly set, adapted to yield when said blank-holder slide meets an extraordinary resistance.

1,407,871. GAS BURNER. JOHN KNUDSEN, Brea, Calif. Filed Dec. 11, 1920. Serial No. 429,906. 8 Claims. (Cl. 158—99.)



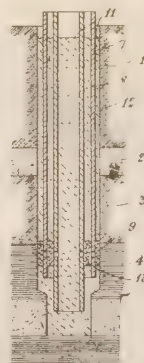
1. A gas burner comprising a burner tube, and an annular gas distributor within the tube forming an air passage and directing air and gas to an apex point of collision exterior of the burner tube.

1,407,872. SANITARY PROTECTOR. EDYTH LACY, New York, N. Y. Filed Aug. 24, 1918. Serial No. 251,220. 9 Claims. (Cl. 4—19.)



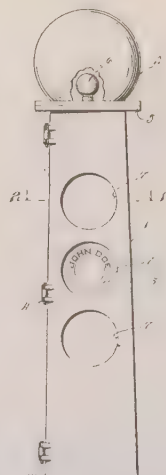
1. A nestable sanitary protector for females comprising a tapering conduit having its inlet end shaped to fit closely against the female body well covering the urethra, said conduit being formed of a readily combustible fibrous sheet material adapted for a single use.

1,407,873. SEALING OFF FLUIDS IN BOREHOLES FOR OIL WELLS. CARL HENRIK LIEDBECK, Gottenborg, Sweden. Filed Apr. 2, 1921. Serial No. 458,100. 2 Claims. (Cl. 166—21.)



1. Process of sealing off fluids occurring in boreholes for oil-wells, consisting in filling the spaces between the wall of the borehole and between casings inserted therein with a mud-laden fluid, causing through holes in the casings a hardening substance to partially displace the said mud-laden fluid and to contact any impervious stratum near the oil-stratum and the casings inserted therein and allowing the hardening substance to harden.

1,407,874. DISPLAY DEVICE. JULIUS L. MICHALSKI, Milwaukee, Wis. Filed Aug. 23, 1920. Serial No. 405,237. 1 Claim. (Cl. 40—132.)

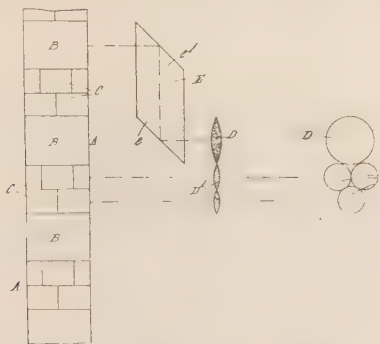


A display device comprising an upright hollow post, having sides which taper uniformly from the ground to the top thereof, one of said sides being hinged to form a door, each of the other sides having a plurality of vertically aligned spaced window openings, vertical rabbeted cleats disposed on the inner faces of the walls at each side of the window openings, and sign plates visible through said openings and slidably supported in said cleats so as to be removable and interchangeable, access being had for this purpose through said door.

1,407,875. COLOR CINEMATOGRAPHY. THOMAS ALBERT MILLS, Clapham, London, England, assignor to Zoetrope Limited, London, England, a British Company. Filed Nov. 13, 1920. Serial No. 423,961. 9 Claims. (Cl. 88—164.)

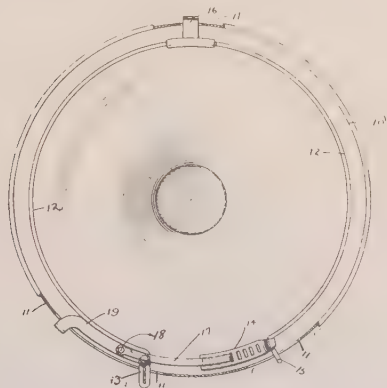
1. A method of making cinematograph films which consists in producing upon the negative film a set of full

sized images with small sized interposed images by simultaneous exposure of a full sized image and associated small sized images and producing from the said negative



film a positive film by superposing in succession upon the said positive film the negative images, all brought to the said dimensions, and suitably coloring the different superposed positive images, for the purpose specified.

1,407,876. SHADE-HOLDING ATTACHMENT. AUGUST MOTSCHENBACHER, Brooklyn, N. Y., assignor to L. Plant & Co., N. Y., a Corporation of New York. Filed Oct. 5, 1920. Serial No. 414,813. 1 Claim. (Cl. 240—115.)



A shade holding attachment comprising the combination with a bell-shaped holder of an annulus of spring wire mounted within said holder, a lug which projects through a slot in the wall of the holder to which one end of the wire is secured, a slotted plate to which the other end is secured, a plurality of other lugs mounted in other slots in said holder which movably seat said wires, an L-shaped lever to which said plate is rotatably attached, said lever being rotatably secured to one end of said wire.

1,407,877. COMBINATION CURTAIN AND SHADE HOLDER. JOHN WILLIAM MOTT, Springfield, Ill. Filed Feb. 28, 1921. Serial No. 448,447. 3 Claims. (Cl. 156—24.)



2. A device of the character described comprising a frame member having a longitudinally extending aperture

therein, opposite edges of the frame member margining the aperture being notched, and a slidable shade roller bracket consisting of upper and lower plates arranged at opposite sides of the frame member and secured together to provide guideways adapted to slidably engage the notched edge portions of the frame member, said upper plate being formed with an integral outstanding arm for supporting a shade roller and with a raised portion extending transversely of the aperture and said lower plate being formed with a depressed portion co-operating with the raised portion to provide a transverse guideway, spaced apart locking members slidably disposed within the last named guideway and adapted at their remote ends for engagement with the notched edges of the frame member, a spring disposed between the proximate ends of the locking members to yieldingly maintain the latter in engagement with the notched edges of the frame member, and an operating pin secured to each of said locking members and arranged to project through a slot in the raised portion of the upper plate, said operating pins being adapted to be grasped and moved toward one another to cause the locking members to disengage the notched edges of the frame member.

1,407,878. FISHING TOOL. VIRGIL WARREN MOYER, Pawhuska, Okla., assignor to The Midland Supply Company, Pawhuska, Okla., a Corporation of Oklahoma. Filed Aug. 28, 1920. Serial No. 406,540. 4 Claims. (Cl. 294—102.)

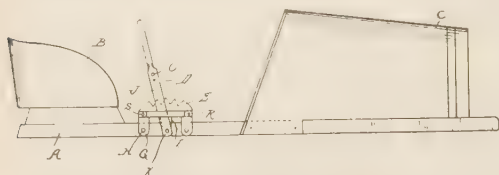


1. In a fishing tool, the combination of a socket, a pair of longitudinally movable slips positioned within the lower end of the socket, a block slidably mounted in the socket above the slips, upwardly extending arms secured to the slips and to the block, a second pair of arms carried by the block and extending upwardly from the block and forming a continuation of the arms secured to the slips, means interposed between the upper end of the socket and the block for yieldingly retaining the slips in the lower end of the socket, means interposed between the slips and said block for normally limiting the downward movement of the slips, and spring pressed pins slidably mounted in the head adapted to engage the arms carried by the block and lock the block and slips against longitudinal movement upon an abnormal upward movement of the slips.

1,407,879. TOY MOTOR VEHICLE. FRANK A. NAUTS, Toledo, Ohio, assignor to The Gendron Wheel Co., Toledo, Ohio, a Corporation of Ohio. Filed Apr. 11, 1921. Serial No. 460,437. 7 Claims. (Cl. 208—165.)

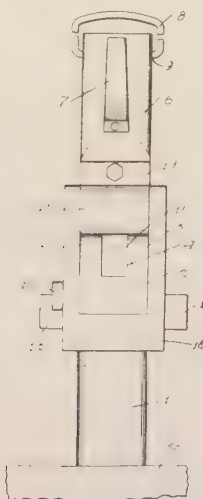
1. The combination with a toy vehicle, of an imitation control mechanism mounted thereon comprising a notched

segment, a lever pivotally attached to said segment, and a resilient member secured to said lever forming a snap



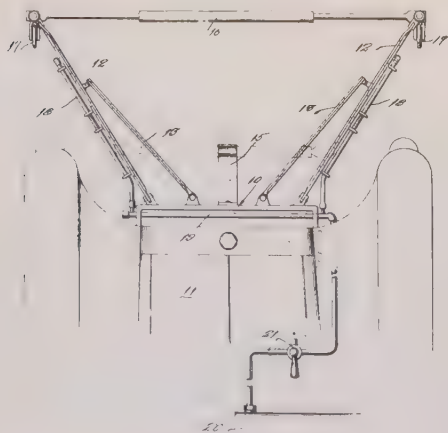
engagement with the notches of said segment and adapted to retain said lever in any adjusted position.

1,407,880. BACK-UP POST. CHARLES CLARENCE NEIGHBORS, Shreveport, La. Filed Dec. 3, 1920. Serial No. 428,068. 4 Claims. (Cl. 255—35.)



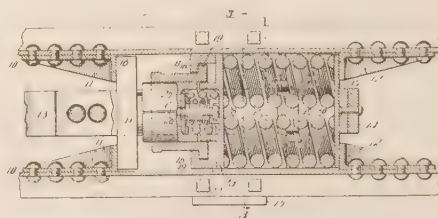
1. A back up post comprising hingedly connected parts; and a latch forming a releasable connection between said parts.

1,407,881. FENDER FOR MOTOR VEHICLES. JOHN LEONARD NORDNES, Waukesha, Wis. Filed June 23, 1921. Serial No. 479,773. 3 Claims. (Cl. 293—25.)



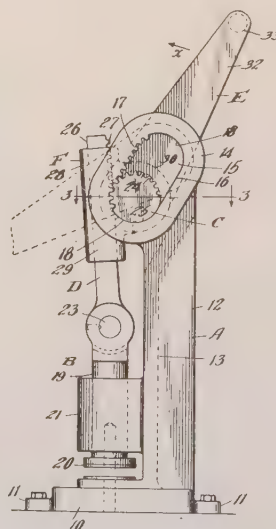
1. A vehicle fender including a supporting member adapted to be secured to the vehicle, projectable and retractable arms carried by said member, a bumper rod carried by said arms, projectable and retractable braces between said arms and said supporting member, and means for projecting said arms.

1,407,882. SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed Sept. 30, 1918. Serial No. 256,171. 7 Claims. (Cl. 213—64.)



1. In a shock absorbing mechanism, the combination with a friction shell and a plurality of friction elements including a wedge cooperable with the shell; of a coiled spring arranged to resist relative movement between said shell and elements and disposed entirely to one side of said elements; and means for obtaining a preliminary spring action by utilization of a part only of the coils of said spring.

1,407,883. MECHANICAL MOVEMENT. JOHN F. O'CONNOR, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed June 30, 1921. Serial No. 481,554. 7 Claims. (Cl. 74—27.)

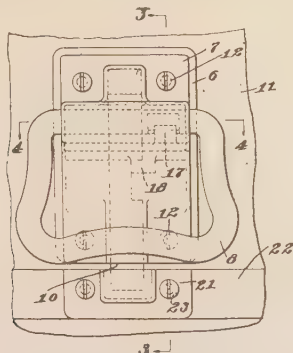


1. In a mechanical movement, the combination with a reciprocating element for transmitting force; of a support having a stationary rack extending angularly with respect to the line of reciprocation of said element; a link pivotally connected to said element and having a rack thereon; a travelling gear in mesh with both of said racks; and means for rotating said gear.

1,407,884. LATCH. ENOCH OHNSTRAND, Mohawk, N.Y., assignor to Library Bureau, Cambridge, Mass., a Corporation of New Jersey. Filed Aug. 11, 1920. Serial No. 402,782. 6 Claims. (Cl. 292—185.)

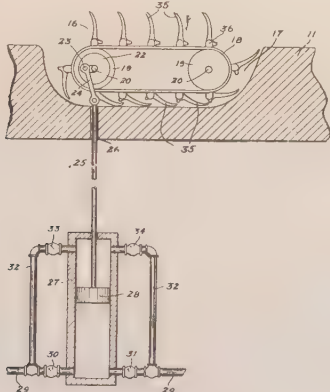
1. A drawer latch device comprising a sheet metal casing having aligned openings in its opposite walls, a loop handle having a portion of substantially circular cross-section journaled in said openings, said handle hav-

ing an offset cam portion intermediate said openings, a latch bar slidably guided within said casing, and means



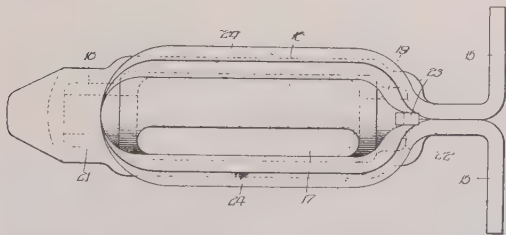
within said casing for transmitting movement from said cam portion of the handle to the latch bar.

1,407,885. WAVE MOTOR. DAVID R. OLMSTED, Council Bluffs, Iowa. Filed Mar. 21, 1921. Serial No. 454,142. 7 Claims. (Cl. 103-67.)



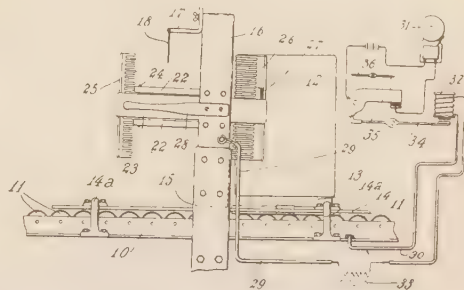
1. In a wave motor, a submersible structure conforming in plan substantially to an oval with a relatively long outer curved edge and a relatively short inner curved edge, and having an upper surface of trough and crest shape, and impact receiving devices mounted on the top of said structure for transmitting power from waves passing over the structure when submerged.

1,407,886. METHOD OF MAKING REVERSIBLE FULCRUMS. ARMAND H. PEYCKE, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Mar. 20, 1920. Serial No. 367,368. 5 Claims. (Cl. 29-164.)



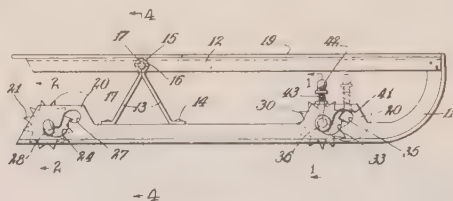
1. The method of making a fulcrum, consisting first in providing a lever supporting member, then providing a blank, then forming a tension rod seat intermediate the ends thereof, and then bending the blank intermediate its ends to form a strut embracing and revolvably receiving the lever supporting member.

1,407,887. TESTING MACHINE FOR DIELECTRIC OBJECTS. ERNEST A. PIGEON, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Dec. 13, 1920. Serial No. 430,349. 9 Claims. (Cl. 175-183.)



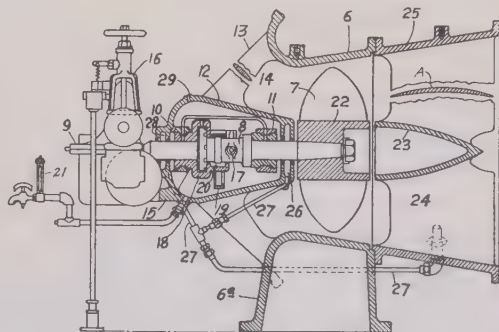
9. In a testing apparatus for an object formed of dielectric material, the combination of a support for said object, a carrier, means for supplying electric energy to said support while the latter moves on said carrier, a series of electrically connected electrodes adapted automatically to sweep the surface of said object upon said support as the latter moves upon said carrier, and a guide rail adapted to guide said support in its course on said carrier.

1,407,888. SLED. MAJC POTKALICKI, Lilly, Pa. Filed Mar. 17, 1920. Serial No. 366,529. 4 Claims. (Cl. 188-8.)



1. In a sled, an adjustable device adapted to engage the surface over which the sled travels for control purposes, an element on which said device is mounted, said element passing through an upwardly extending slot in the sled runner, said slot having recessed offsets at each end thereof adapted to engage said element to retain said device in operative or inoperative positions.

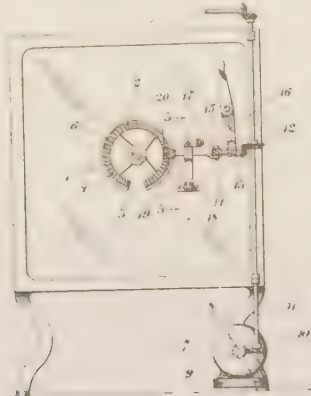
1,407,889. BLOWER. HENRY F. SCHMIDT, Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 16, 1920. Serial No. 374,372. 19 Claims. (Cl. 230-11.)



1. In combination in a blower, a converging-diverging casing, a conical casing member extending into the con-

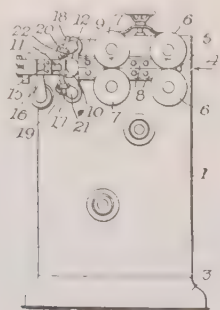
verging portion of the casing, a propeller having a hub located near the end of the conical casing member and within the converging-diverging casing, means for preventing eddy currents from being formed near said hub, and means for driving the propeller.

1,407,890. DRIVING MECHANISM. AUGUST E. SCHUETTE, Red Bud, Ill. Filed Oct. 7, 1920. Serial No. 415,417. 4 Claims. (Cl. 74—50.)



2. In gearing of the character described, the combination of a rotary shaft, an additional shaft pivoted to and driven by the rotary shaft, a pivoted support supporting the additional shaft and arranged to swing to different positions, and springs for receiving the impact of said support when said support is moved, and for imparting initial movement thereto when said support is to be moved.

1,407,891. SPRING-COILING MACHINE. ALEXANDER B. SINCLAIR, South Hadley Falls, Mass., assignor to Sleeper & Hartley, Inc., Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 9, 1920. Serial No. 372,599. 5 Claims. (Cl. 153—65.)

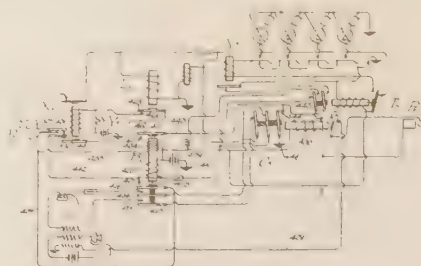


1. In a spring coiling machine, the combination with wire feeding devices, coiling tools, a wire severing device cooperating therewith, and a rotating shaft for controlling the coiling tools, of a cam device for actuating said severing device from said shaft, and a timing device operated by the rotation of said shaft and co-operating with said cam device to cause actuation of the severing device only after the completion of more than one revolution by the said shaft.

1,407,892. TELEPHONE SYSTEM. FRANK M. SLOUGH, Elyria, Ohio, assignor, by mesne assignments, to Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y., a Corporation of New York. Filed Oct. 14, 1914, Serial No. 866,583. Renewed May 25, 1921. Serial No. 472,557. 22 Claims. (Cl. 179—58.)

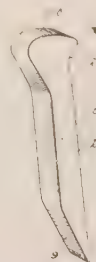
8. In a telephone system, the combination of a main station, a telephone line terminating at the main station

in a plurality of terminals, a plurality of cord circuits at the main station, an operator's set for each cord circuit, relays in the cord circuits controlling the connection of



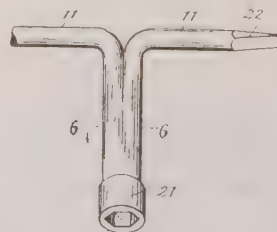
the operator's sets to the cord circuits, circuits for said relays including resistance devices and shunts of said resistance devices controlled by said relays.

1,407,893. RAILROAD SPIKE. ELTON W. SMITH, Seattle, Wash. Filed Apr. 26, 1921. Serial No. 464,604. 1 Claim. (Cl. 85—23.)



A railroad spike comprising a spike proper having a lateral projection and an engaging member adapted to be driven lengthwise the spike proper to force the projection of the spike proper into the material of the tie, the spike proper being formed with a recess and the engaging member having a projection to seat in said recess when the parts are in cooperative relation.

1,407,894. METHOD OF MAKING TOOLS. ROY H. SMITH, Kent, Ohio. Filed Oct. 4, 1919. Serial No. 328,500. 12 Claims. (Cl. 76—114.)

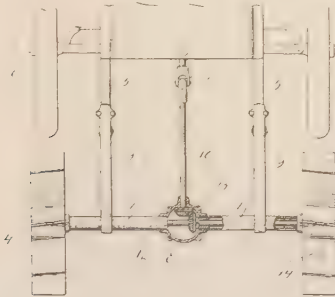


1. The method of making tools which comprises forming a tool head on two substantially parallel adjacent portions of metal stock from which the tool is to be formed and forming a handle integral with said stock.

1,407,895. SNOW-CLEARING ATTACHMENT FOR AUTOMOBILES. WILBUR SMITH, Spring Green, Wis. Filed June 24, 1920. Serial No. 391,397. 3 Claims. (Cl. 37—63.)

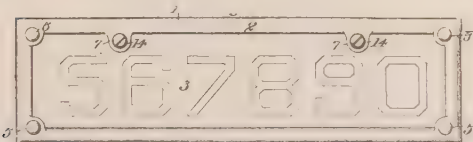
1. A snow-clearing device for motor vehicles comprising a housing, bracket arms extending from said housing and adapted for securement to the vehicle structure to mount said housing transversely at the forward portion thereof, shafting in said housing, paddle-wheels carried by said shafting at the ends of the housing and located in

advance of the wheels of the vehicle, a central shaft carried by the housing and adapted for connection with the



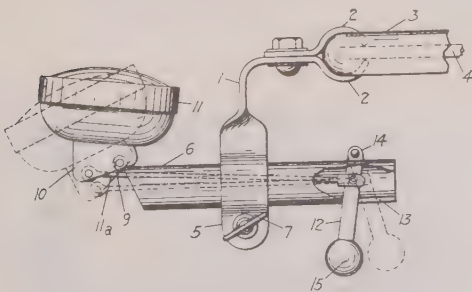
motor shaft of the vehicle, and a drive connection between said last named shaft and said shafting.

1,407,896. LICENSE-PLATE HOLDER. SAMUEL SPITZ, Oakland, Calif., assignor to Willard Vernon Pumphrey and Henry W. Schnebly, Oakland, Calif. Filed Mar. 8, 1921. Serial No. 450,775. 3 Claims. (Cl. 40—125.)



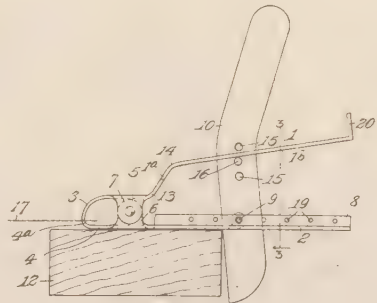
3. A vehicle license plate holder comprising an oblong rectangular open frame formed in a single piece, said frame provided with a rearwardly disposed peripheral wall forming a pocket within which the vehicle license plate is inserted from the rear of the frame, means extending through the frame and license plate for detachably securing the license plate within the frame, a pair of securing members extending through the frame wall for detachably securing the frame to a support, and a spacer member carried on each of said securing members in contact with the rear of the plate and for engaging with a support, said spacers forcing the license plate within the frame and affording a rigid connection between the frame and support.

1,407,897 ADJUSTABLE SPOTLIGHT. WALTER STEINER, near Dayton, Ohio. Filed Feb. 7, 1921. Serial No. 443,206. 1 Claim. (Cl. 240—7.)



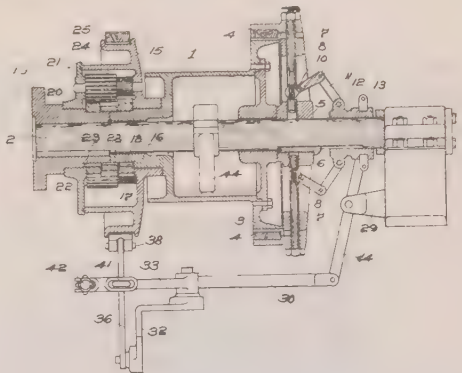
In a device of the type described, the combination with a spot-light lamp, of a supporting member, clamping portions on one end of said member, a tube rotatably supported by said clamping portions, a plate pivotally secured to the outer end of said tube and secured to said lamp, a handle projecting transversely through a longitudinal slot in said tube and pivotally secured to the latter, and a rod within said tube connecting said plate and handle for the purpose specified.

1,407,898. SCREEN-WIRE-STRETCHING TOOL. FRANK G. STEWART, Wheeling, W. Va., assignor of one-half to J. C. Williamson, Wheeling, W. Va. Filed Mar. 3, 1921. Serial No. 449,385. 4 Claims. (Cl. 140—100.)



1. A tool of the character described comprising pivoted handles having opposed integral jaws, a lever pivoted upon the lower handle and having its lower end extending downward below the latter, a member carried by said lever in underlying sliding relation to the upper handle and adapted to exert upwardly directed force for elevating said upper handle as said lever is drawn rearward, said member being suitably spaced from the pivotal mounting of said lever.

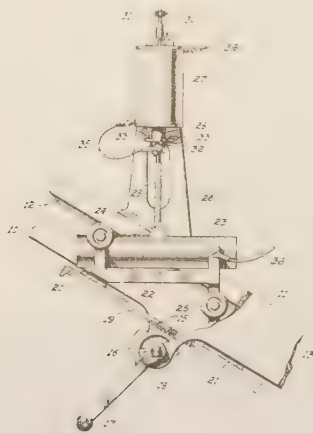
1,407,899. REVERSIBLE CLUTCH PULLEY. HARRY C. STOLZ, Franklin, Pa. Filed Sept. 23, 1920. Serial No. 412,204. 2 Claims. (Cl. 74—34.)



1. A reversible clutch pulley comprising in combination, a power shaft, a pulley revolvably mounted upon said shaft and forming an enclosed chamber about said shaft for the reception of lubricating oil, clutch-engageable means rigidly carried by one end of said pulley, direct-clutch mechanism keyed to said shaft and adapted to be operatively engaged with said engageable means to drive said pulley in unison with said shaft, a hub carried by the opposite end of said pulley through which said power shaft passes, a coupling keyed to said shaft having a hub, the ends of said hubs being in juxtaposition to each other, a spur gear keyed to said pulley-hub, a spur gear keyed to said coupling hub, gear-housing revolvably carried by said hubs, a plurality of intermeshing pairs of pinions revolvably mounted in said housing, one end of one of each of said pairs of pinions being in mesh with said pulley-gear, and the opposite end of the other of each of said pairs of pinions being in mesh with said hub gear, said gear-housing being adapted to contain a lubricant for the gearing contained therein, a brake adapted to hold said gear-housing in a stationary position, and inter-connected means for simultaneously and reversely actuating said direct-clutch mechanism and said brake for the purpose set forth.

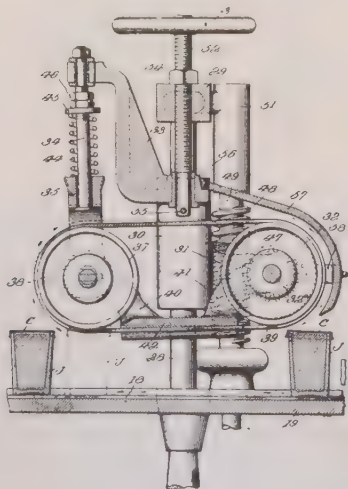
1,407,900. APPARATUS FOR ELECTRIC WELDING.

RICHARD STRESAU, Wauwatosa, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a Corporation of New York. Filed July 17, 1920. Serial No. 396,881. 8 Claims. (Cl. 219—8)



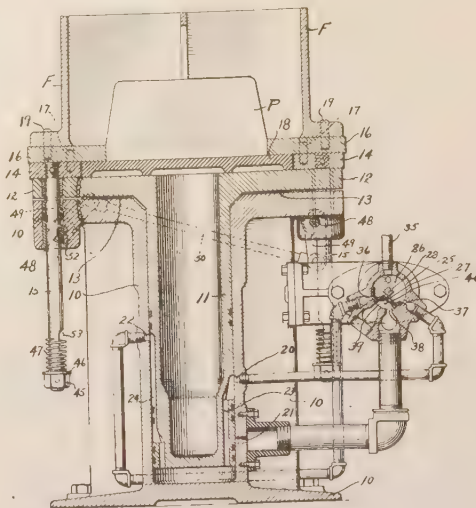
1. In an electric welding apparatus, a fusible electrode, a solenoid the core of which is bored to receive one end of the said electrode whereby the said core and the electrode are directly connected, and means for conducting a welding current to excite the solenoid to withdraw the electrode from contact with the work, to establish a welding arc.

1,407,901. JAR-CLOSING MACHINE. THOMAS LUCIEN TALIAFERRO, Chicago, Ill., assignor to Phoenix-Hermetic Company, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 18, 1919. Serial No. 291,059. 20 Claims. (Cl. 226—80)



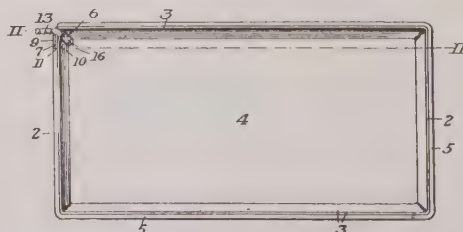
15. A jar closing machine including in combination, means for receiving jars at random having covers resting lightly thereon and for feeding the same at random continuously through the machine, and means cooperating therewith for engaging the jar cover for applying a yielding increasing pressure throughout the entire area of said cover as the jar travels for seating the cover on the jar.

1,407,902. SAND-MOLDING APPARATUS. ELTON L. TOWLE, Paterson, N. J. Filed May 13, 1919. Serial No. 296,816. 4 Claims. (Cl. 22—29.)



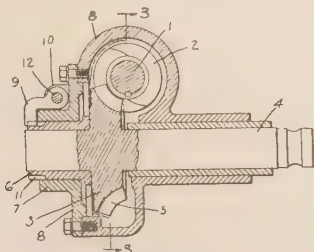
1. In a combination jolt-ramming and stripping machine, a table having a plunger attached thereto, said table being adapted to carry the pattern and the flask, stripping means supported on said table and adapted to move independently thereof, a cylinder for said plunger and means to admit fluid pressure beneath said plunger, comprising ports in said cylinder and a multiple-way valve constructed and arranged to admit the fluid pressure to jolt said table when the valve is in the first position, and to elevate said table to a greater distance and to hold it in such elevated position when the valve is in the second position and to release the pressure to permit said table to drop when the valve is in the third position, said stripping means including vertical rods provided with stops to limit the upward motion of the table, and means engaging said rods to lock said stripping means in its highest position when said table is permitted to drop, and elastic means to act as a buffer when the table reaches its upper position.

1,407,903. CAN OR RECEPTACLE. PATRICK WALL, Pittsburgh, Pa. Filed Apr. 13, 1921. Serial No. 461,111. 10 Claims. (Cl. 62—159.)



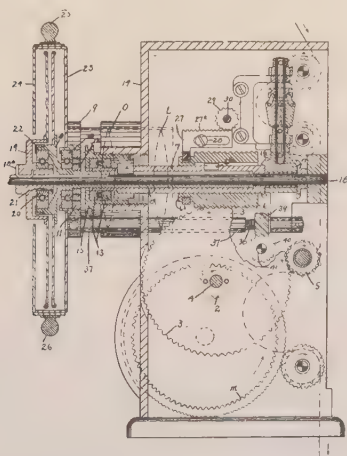
1. As an article of manufacture, an ice mould having a portion of one of the walls bent over upon itself to form an air pipe, means for simultaneously securing said bent over portion and an adjacent wall of the tank together, and means for closing one end of the pipe, substantially as described.

1,407,904. ADJUSTABLE WORM DRIVE. GEORGE A. WEIDELY, Indianapolis, Ind. Filed June 11, 1921. Serial No. 476,820. 6 Claims. (Cl. 74—79.)



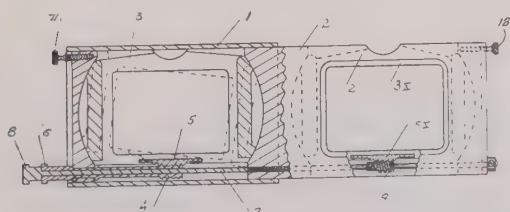
1. A worm gear construction comprising a worm, a gear co-operating therewith, and means for adjusting the gear laterally to the axial trend of the worm for taking up wear thereon.

1,407,905. MOTION-PICTURE-SHUTTER-ADJUSTING MECHANISM. WILLIAM WENDERHOLD, New York, N. Y., assignor to Cru Patents Corporation, a Corporation of New York. Filed July 13, 1917. Serial No. 180,358. 4 Claims. (Cl. 88—18.)



1. In combination with a motion picture apparatus, a lens, a framing device, a plurality of rotating shutters, a common movable support for said lens and shutters, means to move said support, means to rotate the shutters, means to adjust said shutters relative to each other, and while in motion, and means operated by the framing device to also adjust said shutters relatively to each other simultaneously with the framing of the film.

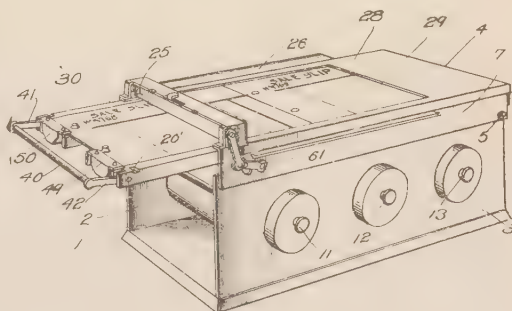
1,407,906. PROJECTION SLIDE CARRIER. WILLIAM WENDERHOLD, New York, N. Y., assignor, by mesne assignments, to Cru Patents Corporation, a Corporation of New York. Filed Mar. 2, 1918. Serial No. 220,091. 2 Claims. (Cl. 88—28.)



1. In a projection slide holder, a supporting frame and a pair of slidably cooperating members,

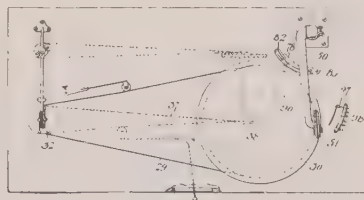
slide carriers for each of said members, said carriers being provided with sectors, independent adjusting means for engaging said sectors to adjust the position of a slide in its carrier while the slide is being projected.

1,407,907. AUTOGRAPHIC REGISTER. FRED G. WHITE, Kansas City, Mo., assignor to Albert P. F. Pico, Kansas City, Mo. Filed Mar. 10, 1919. Serial No. 281,833. 10 Claims. (Cl. 282—21.)



1. In an autographic register, a paper holding means, means for line-justifying a plurality of paper sheets, a paper measuring slide, means for locking the slide in its extended position and paper engaging feeler fingers for releasing the locking means.

1,407,908. AUTOMATIC STOP AND START DEVICE FOR PHONOGRAPHS. LORENZ R. WOLFF, Los Angeles, Calif. Original application filed Apr. 19, 1919, Serial No. 291,380. Divided and this application filed Apr. 6, 1920. Serial No. 371,757. 8 Claims. (Cl. 192—116.)

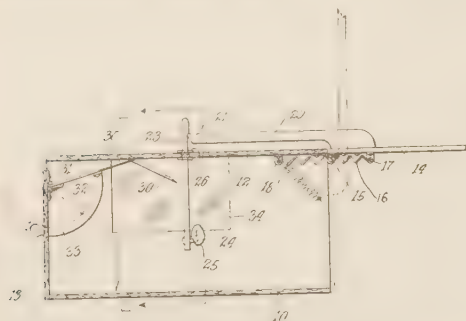


1. In a phonograph the combination of a rotatable table for disk records, a motor, a motor circuit, contact members in said circuit for making and breaking the circuit, a switch member mounted on the phonograph, means on the switch member adapted to engage one of said contact members, a plate on said switch member, an elastic supporting member for the tone arm of the phonograph, and means on said elastic supporting member arranged to engage the plate on the switch member.

1,407,909. TRAP. GREGOREY WYSKWARCO, Chicago, Ill. Filed Apr. 1, 1920. Serial No. 370,487. 2 Claims. (Cl. 43—61.)

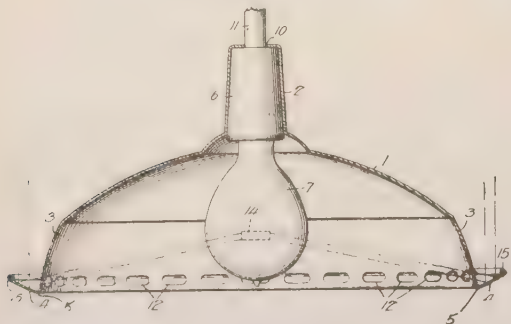
2. A trap comprising a box, a door on one end of said box, a latch in said box approximately midway between opposite ends thereof controlling said door, a knife blade hinged to the end of said box opposite said door, said knife having its cutting edge extending substantially from

side to side of said box in proximity to the said latch. a spring normally pressing said knife upward, and an



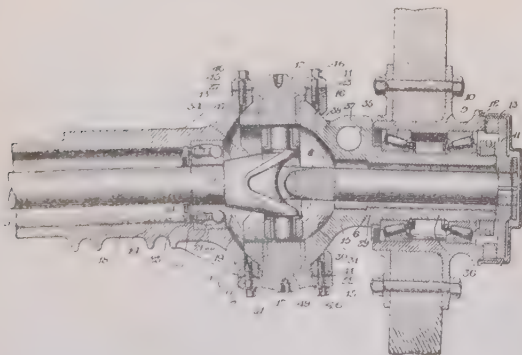
arcuate arm fixed to said knife and extending outside the said box, said box having a window therein, for the purpose set forth.

1,407,910. REFLECTOR. ALBERT L. ARENBERG, Chicago, Ill. Filed Jan. 10, 1920. Serial No. 350,523. 4 Claims. (Cl. 240—92.)



1. A concave reflector adapted to contain a source of light on its concave side, the rim at the mouth of the reflector being in a plane at right angles to the axis, and a flange bordering the rim and extending approximately radially outward therefrom, the reflector having apertures behind the plane of the rim whereby the light passing through them from the internal light source may strike the back surface of the flange.

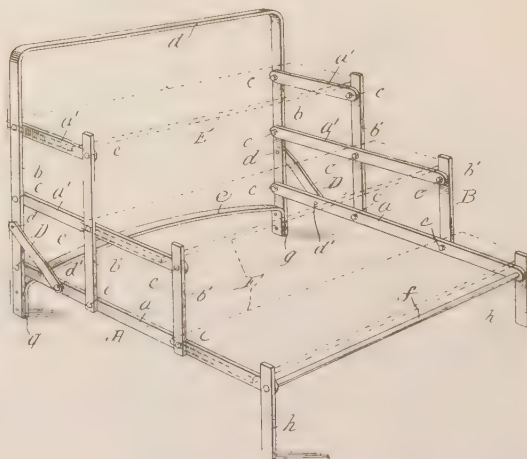
1,407,911. DRIVING AND STEERING AXLE. PETER J. F. BATENBURG, Clintonville, Wis. Filed Dec. 17, 1919. Serial No. 345,500. 5 Claims. (Cl. 180—43.)



1. A hollow supporting axle and housing for a universally jointed driving shaft comprising a relatively fixed shaft-housing part and a swinging shaft-housing part, the end of one part enclosing the end of the other

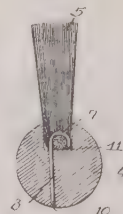
part, and vertically disposed trunnions independent of either part and having flanged heads secured to the enclosing end and shanks pivotally mounted in the enclosed end.

1,407,912. FOLDABLE RACK. HENRY L. BATES, Boston, Mass. Filed Aug. 18, 1920. Serial No. 404,327. 1 Claim. (Cl. 211—14.)



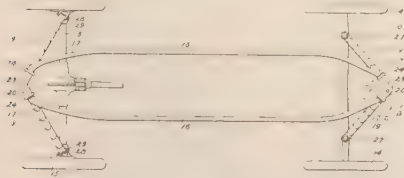
A foldable stand comprising two oppositely disposed parallel side bars; a cross bar connecting the forward end portions of said side bars; two legs each connected with the front end of one of said side bars, an upright bail-shaped member having vertical end portions adapted to rest upon the ground to which the rear ends of said side bars are pivotally connected; a cross bar fastened at its ends to the vertical end portions of said bail-shaped member; uprights of different lengths pivotally connected at their lower ends to said side bars, said uprights being disposed parallel with said end portions and paired in stepped relation; links connecting said uprights together and to said end portions, and means for locking said parts in operative positions with provisions for unlocking said parts and folding the latter together.

1,407,913. BRUSH CONSTRUCTION. GUSTAVUS A. BAUER, Chicago, Ill., assignor to Hugro Manufacturing Company, Warsaw, Ind., a Corporation of Indiana. Filed Mar. 10, 1921. Serial No. 451,175. 2 Claims. (Cl. 15—37.)



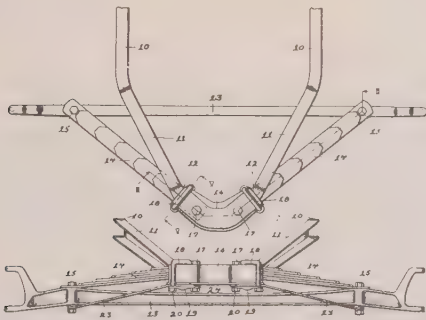
2. In a brush construction, a spindle having a recess in one face thereof, a hole extending from the bottom of said recess to the opposite surface of said spindle, a tuft of folded bristles inserted within said recess, an attaching member for securing said tuft within said recess, said member being provided with a hooked end portion passing around said bristles, the end of said hook engaging against the bottom of said recess, the other end of said attaching member passing through said opening and being secured to the opposite surface of said spindle.

1,407,914. VEHICLE SPRING SUSPENSION. EDWARD H. BELDEN, Toledo, Ohio, assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed June 15, 1917. Serial No. 174,934. 32 Claims. (Cl. 267—41.)



2. In a vehicle, the combination of a frame comprising a pair of channel bars, having their ends bent towards each other and connected together; front and rear axles; a pair of cantilever springs connected at their rear ends to said front axle, adjacent the ends thereof and converging forwardly to their connection with the front end of said frame; a second pair of cantilever springs, connected at their forward ends to said rear axle, adjacent the ends thereof, and converging rearwardly to their connection with the rear end of said frame, the adjacent ends of each pair of springs being confined in the channel bars adjacent the ends thereof; and yokes secured over the connected ends of said channel bars and rigidly connecting the adjacent ends of said channel bars and said springs.

1,407,915. SPRING SUSPENSION FOR MOTOR VEHICLES. EDWARD H. BELDEN, Toledo, Ohio, assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 5, 1917. Serial No. 200,333. 32 Claims. (Cl. 267—41.)

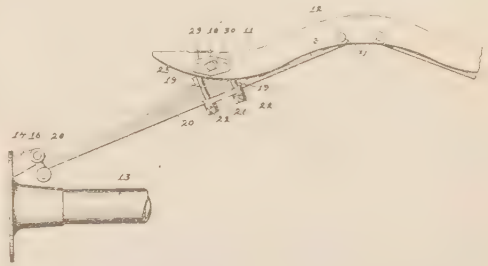


29. In a spring suspension for vehicles, a frame, an axle, a pair of cantilever springs connecting said axle with a point on the longitudinal center line of the frame, a pair of radius rods connecting said frame and axle and common means extending through the axle for securing one end of each spring and one end of the corresponding radius rod to the axle.

1,407,916. SPRING SUSPENSION. EDWARD H. BELDEN, Toledo, Ohio, assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 7, 1917. Serial No. 205,965. 7 Claims. (Cl. 267—41.)

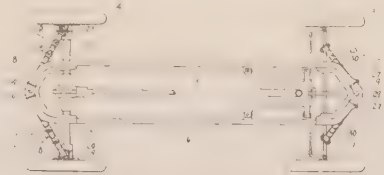
3. A spring suspension for vehicles comprising an axle, a frame including a cross member, a pair of cantilever springs, each of said springs being pivotally connected to the axle adjacent one end thereof and pivotally con-

nected to the cross member at a point adjacent the opposite end of the spring, and means for pivotally and slid-



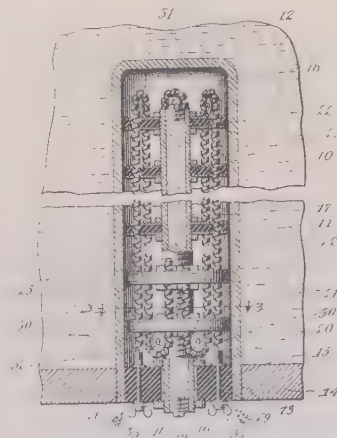
ably supporting the central portion of each spring from the cross member at a point near one end of the cross member.

1,407,917. SPRING SUSPENSION FOR VEHICLES. EDWARD H. BELDEN, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 9, 1919. Serial No. 329,428. 11 Claims. (Cl. 267—41.)



4. In a vehicle structure, a vehicle frame having its end portions reduced in width relative to the intermediate portions thereof, front and rear axles, and semi-elliptical springs connecting the frame to the axles and having the portion intermediate their ends bowed transversely from the vertical plane passed through the ends thereof, the said bowed portions being connected to the end portions of the frame.

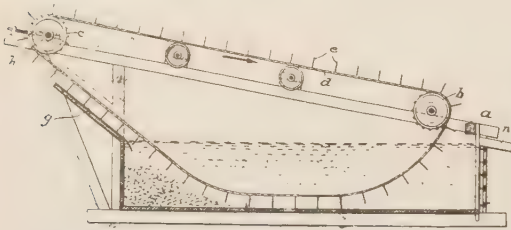
1,407,918. ELECTRIC HEATING ELEMENT. PIERRE JOSEPH HENRI BERNARD, Montreal, Quebec, Canada. Filed Dec. 9, 1920. Serial No. 429,452. 4 Claims. (Cl. 219—63.)



1. A resistance element such as described, including an insulating block, a tubular member attached thereto and extending therefrom, asbestos packing within said tubular member, spacing disks mounted upon the tubular member, binding posts carried by the insulating block, pulleys mounted upon opposite sides of the end spacing

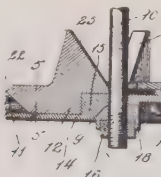
disks, and a resistance element attached to the binding posts and passing through openings provided in the disks and over said pulleys, substantially as and for the purposes set forth.

1,407,919. SAND-SETTLING BOX. EARL E. BERRY, Kennett Square, Pa., assignor to American Road Machinery Company, Inc., Kennett Square, Pa., a Corporation of Delaware. Filed Mar. 29, 1919. Serial No. 286,069. 1 Claim. (Cl. 83—81.)



A sand settling and washing apparatus comprising a relatively long box closed at one end, a sand discharge chute at the closed end leading upwardly and outwardly, an adjustable overflow chute leading from the other end through which the water and lighter materials pass, the upper end of the sand discharge being above the highest water level which can be maintained in the tank, a portion of the bottom of the tank being substantially in a horizontal plane, an endless chain conveyor, sprocket wheels for said chain above the water line, outwardly extending spaced flights on the chain, means between the sprocket wheels for preventing the upper reach of sprocket chain from sagging to throw all the slack in the lower reach, said chain having sufficient slack to permit the end edges of the flights to be dragged along a portion of the bottom of the box, while one of the sprocket wheels is so positioned that the end edges of the flights are dragged along the bottom of the discharge chute as they pass from the box.

1,407,920. EARTH ANCHOR. JASPER BLACKBURN, Webster Groves, Mo. Filed Mar. 18, 1918. Serial No. 223,089. 2 Claims. (Cl. 189—92.)

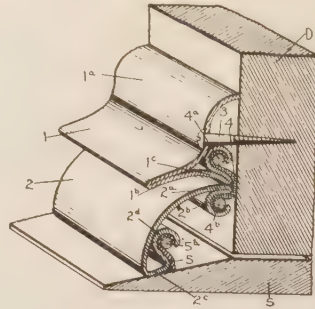


1. In an earth anchor of the class described, a crown, a rod connected with the crown, a plurality of superposed flukes supported by the crown and arranged for radial, lateral movements thereof, and a device, having an upper surface inclining downwardly and inwardly toward the center of the anchor, carried by each fluke to provide for the movements of the flukes by impacts delivered directly to said devices.

1,407,921. WEATHER STRIP FOR DOORS AND WINDOWS. LOREN C. BOND, Washington, D. C. Filed Feb. 12, 1921. Serial No. 444,445. 8 Claims. (Cl. 189—65.)

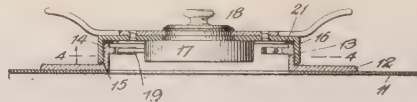
1. A weather strip comprising upper and lower members, the upper member having a part adapted to be attached to a door and an inwardly projecting part extending from the lower portion of the top part toward

the door and having a hinge member retaining loop at the inner edge of this inwardly projecting part; and the lower member being adapted to be placed beneath the upper member and having a hinge member engaging loop



on its upper part; and a hinge member having its upper part engaged with the hinge retaining loop of the upper member and its lower part engaged with the hinge retaining loop of the lower member.

1,407,922. TANK-CLOSURE LOCK. HOWARD H. BROOKER, New York, N. Y. Filed July 17, 1919. Serial No. 311,436. 4 Claims. (Cl. 70—90.)



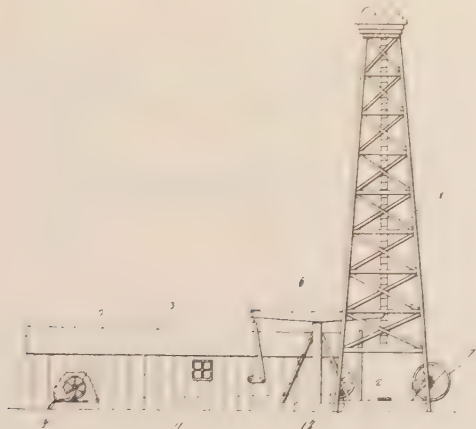
4. A closure for a receptacle provided with threads adapted to engage threads on the receptacle, a plurality of spaced inwardly extending lugs, on said receptacle, a bolt on said closure, which when projected, enters a space intermediate said lugs, a permutation lock carried by said closure to project and retract, and lock said bolt when projected.

1,407,923. CONVEYING APPARATUS. HERMAN J. BUCK, Ellwood City, Pa., assignor to Mathews Gravity Carrier Company, Ellwood City, Pa., a Corporation. Filed Oct. 22, 1917, Serial No. 197,861. Renewed Dec. 7, 1921. Serial No. 520,714. 3 Claims. (Cl. 193—55.)



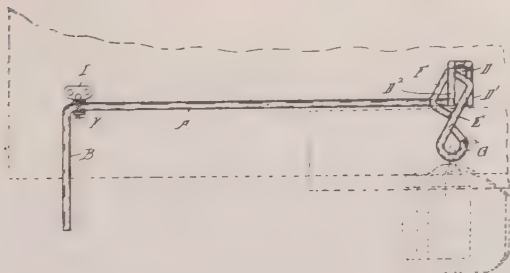
1. The combination with an inclined elevator section, and a gravity carrier section pivotally supported in line with the delivery end thereof, of an inclined elevator section having its receiving end located out of line with and at a lower level than the delivery end of said first named elevator section, a gravity carrier section pivotally supported in line with the receiving end of the second elevator section, and means supporting the free ends of said pivoted carrier sections, and permitting lateral movement thereof, whereby said pivoted carrier sections may have their free ends arranged in line with each other, causing articles to pass from the discharge end of the first named elevator to the receiving end of the second named elevator, or the free ends of said carriers may be arranged out of line with each other, permitting said elevators to be independently operable, substantially as described.

- 1,407,924. WELL-DRILLING APPARATUS. ROBERT L. BURNS, Taft, Calif. Substitute for application Serial No. 329,595, filed Oct. 9, 1919. This application filed Sept. 2, 1920. Serial No. 407,769. 1 Claim. (Cl. 74-54.)



In combination, an engine having a fly wheel, ratchet teeth on the fly wheel, a slide mounted to move in a straight path, a pawl pivoted to the slide, means on the slide yieldingly holding the pawl in position to engage the ratchet teeth when the slide is moved along said path, means to yieldingly hold the slide retracted with the pawl disengaged from the ratchet teeth, and means to move the slide to engage the pawl with the ratchet teeth.

- 1,407,925. CAR-COUPLING UNCOUPLING MECHANISM. THOMAS J. BURNS, Detroit, Mich., assignor to Walter P. Murphy, Chicago, Ill. Filed Nov. 22, 1915. Serial No. 62,742. 5 Claims. (Cl. 213-59.)

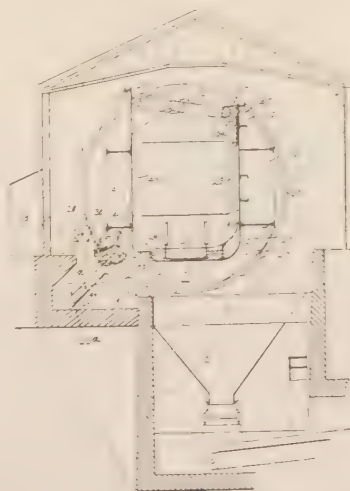


1. In combination with a railway car and coupler, the latter having a lock pin provided with an eye, a release rigging comprising an operating rod having a rock arm, and a link having at its lower end means for providing a flexible engagement with the eye of said lock pin, said rock arm and link being formed with co-engaging, substantially vertically disposed loops the loop on the arm being upstanding therefrom and deflected obliquely therefrom so as to be an open loop, whereby said loops are disengageable when the rod is removed from the car but are incapable of disengagement when the rod is in place on the car and the link engaged with said lock pin.

- 1,407,926. CAR DUMPER. ARTHUR F. CASE, Cleveland, Ohio, assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 11, 1920. Serial No. 416,105. 17 Claims. (Cl. 214-52.)

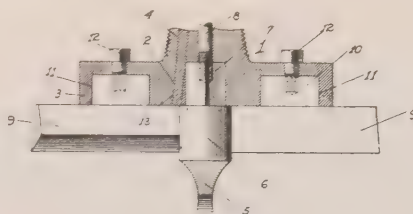
1. In a car dumper, a cradle adapted to receive a car, means for turning the cradle, movable car clamps on

the cradle, clamp counterweights carried by the cradle, and means for causing the counterweights to exert a



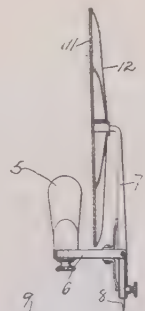
holding action on the clamps after the cradle has been turned a predetermined amount from normal position.

- 1,407,927. ADJUSTABLE WELL-DRILLING BIT. GEORGE CAVENEY, Oakland, Calif. Filed Feb. 7, 1921. Serial No. 443,017. 7 Claims. (Cl. 255-61.)



1. A well drilling bit comprising a spider adapted for connection to a drilling stem; a removable center bit and removable radial cutters secured to the spider and projecting therebeyond.

- 1,407,928. SOUND-REPRODUCING DEVICE. WILBUR L. CHAMBERLAIN, Meriden, Conn. Filed July 9, 1919. Serial No. 309,758. 3 Claims. (Cl. 274-25.)



1. A reproducer or recorder for phonographs or like instruments comprising a supporting member, a stylus carrying member pivotally mounted on said supporting member, and a vibrating member supported wholly by said stylus carrying member and on the opposite side of said pivot from the end of the stylus carrying member adapted to receive a stylus, said vibrating member in its entirety being subject to unrestricted vibrations.

1,407,929. RADIATOR CONSTRUCTION. CLARY WM. COLE, Modesto, Calif. Filed July 16, 1920. Serial No. 396,817. 2 Claims. (Cl. 257—130.)

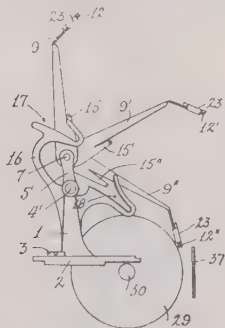


1. A radiator comprising spaced and vertical water cells, each cell comprising a pair of spaced plates secured together to enclose a water area, and extending from top to bottom of the radiator and from front to rear thereof, inwardly projecting vertical corrugations on the plates abutting against each other to space the plates, and the cells being bent from top to bottom at such corrugations and in opposite directions so that the opposite ends of the cells will be parallel to each other but in an offset plane.

1,407,930. PROCESS OF MANUFACTURING NEUTRAL COCONUT OIL. WILLIAM STANLEY COOKSON, Taiping, Perak, Straits Settlements, assignor to Lulu Mitchell Smith, Manawai, Honolulu, Hawaiian Islands. Filed Feb. 25, 1919. Serial No. 279,167. 3 Claims. (Cl. 87—12.)

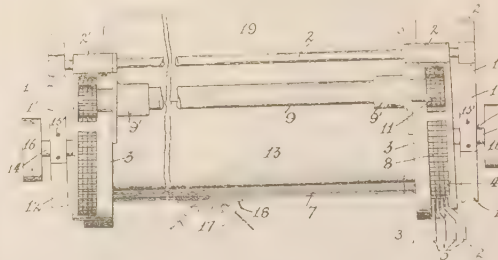
1. The herein described process of producing a neutral coconut oil which consists in reducing coconut endosperm to a comminuted state in the presence of water, maintaining the comminuted mass at normal temperature, extracting the liquid content, concentrating the liquid thus extracted, and subsequently separating out the oil from the concentrated liquid by raising the latter to a temperature above the melting point of coconut fat, lowering it below the solidification temperature of coconut oil, and pouring off the separated oil.

1,407,931. MANIFOLDING ATTACHMENT FOR TYPE-WRITING MACHINES AND THE LIKE. MALCOLM L. COSSITT, Alameda, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev., a Corporation of Nevada. Filed Aug. 11, 1920. Serial No. 402,876. 13 Claims. (Cl. 197—126.)



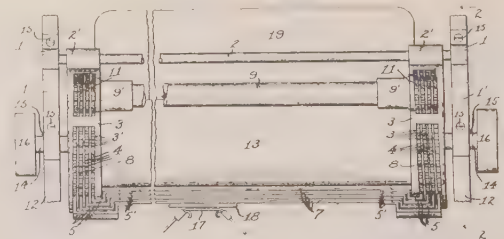
1. A manifolding attachment for typewriting machines and the like comprising a plurality of manifolding members; means for mounting said members for individual and collective movement from and to a position above the platen, down to and up from a functional position in front of the platen in the line of type-impact; and means for releasably locking said members individually and collectively at the limits of their movement.

1,407,932. MANIFOLDING ATTACHMENT FOR TYPE-WRITERS. MALCOLM L. COSSITT, Alameda, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev., a Corporation of Nevada. Filed June 13, 1921. Serial No. 477,062. 7 Claims. (Cl. 197—126.)



1. A manifolding attachment for typewriters and the like, comprising a pair of arcuate housing members; means for securing said members to the platen carriage of the machine at each end of the platen; an arcuate slide fitted within and guided by each housing member; means connecting said slides for effecting their movement in unison; and a manifolding ribbon carried by and between said slides and adapted by their movement to travel in an arcuate path about the platen from and to a functional position in the line of type-impact.

1,407,933. MANIFOLDING ATTACHMENT FOR TYPE-WRITERS. MALCOLM L. COSSITT, Alameda, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev., a Corporation of Nevada. Filed June 13, 1921. Serial No. 477,063. 2 Claims. (Cl. 197—126.)

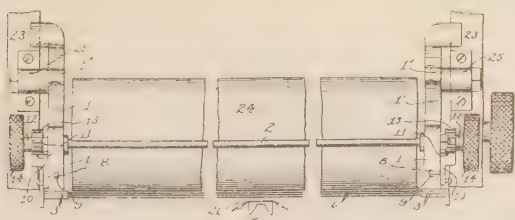


1. A manifolding attachment for typewriters and the like comprising a pair of spaced, arcuate guide members, each formed with a plurality of parallel longitudinal grooves; means for securing said guide members to the platen-carriage of the machine at each end of the platen; a plurality of arcuate slides fitted and guided, one in each groove of said guide members; means connecting corresponding slides at each end in pairs, whereby each pair moves in unison, and a manifolding ribbon carried by and between the slides of each pair and adapted by their movement to travel in an arcuate path about the platen from and to a functional position in the line of type-impact.

1,407,934. MANIFOLDING ATTACHMENT FOR TYPE-WRITERS. MALCOLM L. COSSITT, Alameda, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev., a Corporation of Nevada. Filed June 13, 1921. Serial No. 477,064. 9 Claims. (Cl. 197—126.)

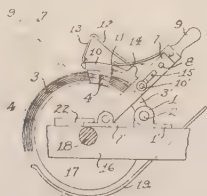
1. A manifolding attachment for typewriters and the like, comprising a pair of standards; means for mounting said standards on the platen-carriage of the machine one at each end of the platen; a fixed guide depending from each standard perpendicularly to and forward of the platen; a carrying member slidably mounted on each guide; a manifolding ribbon carried by and between said members; and means for moving said members in unison to carry the ribbon in a path perpendicular to the platen

to and from a functional position in the line of type-impact, consisting of a slide carried by each standard



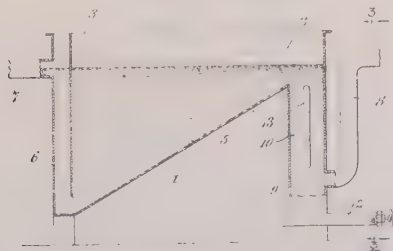
and acting on the ribbon carrying members; a rack on each slide; a rotatable shaft extending between the standards and pinions on the shaft engaging the racks.

1,407,935. MANIFOLDING ATTACHMENT FOR TYPEWRITERS. MALCOLM L. COSSITT, Alameda, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev., a Corporation of Nevada. Filed June 13, 1921. Serial No. 477,065. 2 Claims. (Cl. 197-126.)



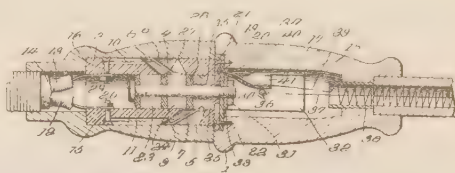
1. A manifold attachment for typewriters and the like, comprising a pair of standards adapted to be mounted on the platen-carriage of the machine, one at each end of the platen; an arcuate guide carried by and extending forwardly from each standard; a carrying member slidably mounted on each guide; a manifolding ribbon carried by and between said members; and means for moving said members in unison to carry the ribbon in an arcuate path to and from a functional position in the line of type-impact, consisting of a lever pivotally associated with each standard; a connection between said levers; and means carried by the levers and acting on the carrying members to effect their movement.

1,407,936. APPARATUS AND METHOD FOR SEPARATING MATTER FROM EFFLUENTS. GORHAM CROSBY, Glen Ridge, N. J., assignor to Charles Blumenthal, New York, N. Y. Filed Mar. 7, 1918, Serial No. 220,971. Renewed Jan. 14, 1922. Serial No. 529,374. 5 Claims. (Cl. 210-56.)



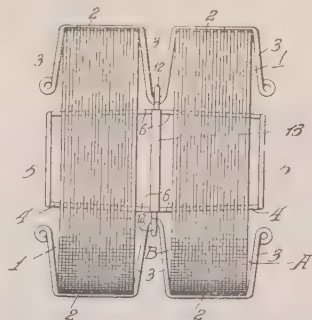
1. Apparatus of the class described comprising a chamber for separating floating matter from effluents, a chamber for separating sediment from the effluents, a passageway leading out of the sediment separating chamber and into the floating matter separating chamber, and means for cooling the effluent before it reaches the floating matter separating chamber, said passageway leading upwardly from the sediment separating chamber to said inlet.

1,407,937. REVOLVING CONNECTER FOR ELECTRIC CURLING IRONS. MAURICE F. FITZGERALD, Torrington, Conn., assignor to The Fitzgerald Mfg. Co., Winsted, Conn., a Corporation of Connecticut. Filed June 25, 1920. Serial No. 391,569. 4 Claims. (Cl. 173-324.)



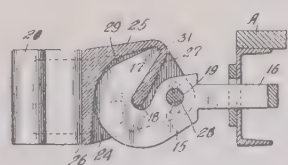
1. A revolving handle connector for an electrical curling iron comprising a handle portion adapted to fit the hand and having connections with supply conductors, a complementary separable handle portion carrying a heating iron, one of said portions having a centrally disposed bore, a set of contacts projecting there into and spaced longitudinally thereof, the other portion including a centrally arranged projection adapted to rotatably fit within said bore and including a set of cylindrical contacts spaced longitudinally thereof to make contact with said first-mentioned contacts, said sets of contacts having electrical connection with said supply conductors and the coil of said heating iron.

1,407,938. PHONOGRAPH-RECORD HOLDER. ALBERT I. GALLAWAY, St. Louis, Mo. Filed Aug. 7, 1919. Serial No. 315,928. 6 Claims. (Cl. 224-45.)



1. A phonograph record holder comprising end members and side members for holding the records in approximately vertical positions, one of said side members being shaped so as to form a guiding member, in which the guiding member will tend to force each record being inserted in the holder towards the records contained in the holder and a bottom member serving as a support to said end and side members.

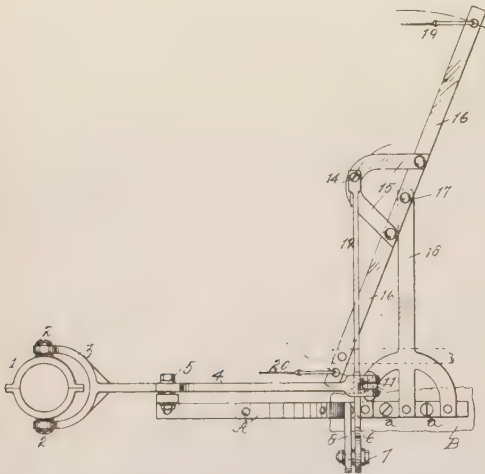
1,407,939. COUPLING ATTACHMENT. WILLIAM A. GEIGER, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed July 12, 1920. Serial No. 395,427. 1 Claim. (Cl. 213-65.)



An article of manufacture of the character described comprising: a casting formed at one end with a guard arm, jaw and knuckle of a form to cooperate and inter-

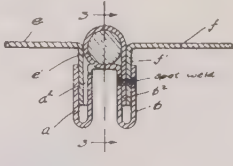
lock with an automatic coupler, said casting at its other end being provided with vertically extending spaced flanges arranged to straddle the hook of a hook coupling, said flanges being perforated near their free ends to accommodate a pin extending therethrough and through the hook coupling to allow said attachment to be swung pivotally with respect to the hook coupling, said flanges being united by an integral top wall and a transversely extending web inclined to extend into the recess of the hook coupling whereby the pull is adapted to be transmitted through said web to the hook of the coupling.

1,407,940. CONTROL FOR CLUTCHES. LAWRENCE S. LUBBRECHT, Fort Jennings, Ohio. Filed May 13, 1921. Serial No. 469,089. 3 Claims. (Cl. 192—99.)



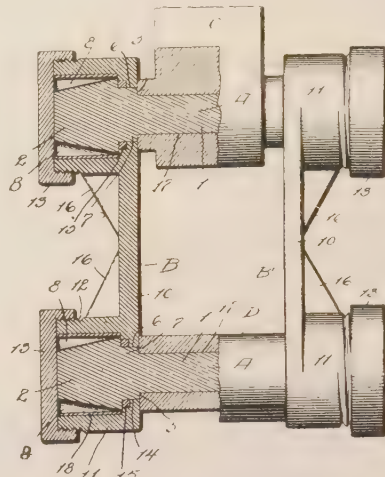
1. A clutch operating mechanism, comprising, in combination, a clutch, a horizontally disposed lever of the first class engaged with the clutch, a vertically disposed bell-crank, pivotal connections between said lever and the bell-crank, a vertically disposed lever, pivotal connections between the latter lever and the bell-crank, and flexible members leading from opposite ends of said latter lever.

1,407,941. HOOD HINGE. GUY A. LYON, Detroit, Mich., assignor to Hayes Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 29, 1920. Serial No. 413,596. 2 Claims. (Cl. 16—128.)



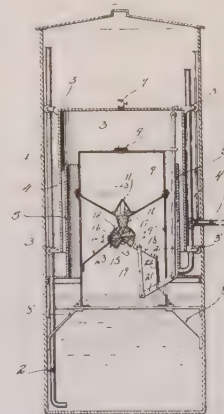
1. In a hood, the combination of two hood sections having their adjacent edges turned down into substantially perpendicular flanges, and a separate hinge section comprising a pair of upwardly opening channel strips having their inside adjacent walls provided with separated and extended portions curled over into knuckle eyes offset inwardly from the channel to present away from the channel opening, said eyes having extending webs running down into the channel, the knuckle eyes of the two channels being in staggered relation and arranged to align end to end, a knuckle pin running through said aligned knuckle eyes, said perpendicular flanges of the hood sections being abutted against the said webs of the knuckle eyes and extended down into the said upwardly opening channels and means for permanently uniting the flange to the web and the two walls of the channel.

1,407,942. SHACKLE. HARRY B. MCCANDLESS, St. Louis, Mo. Filed Aug. 19, 1920. Serial No. 404,699. 5 Claims. (Cl. 267—54.)



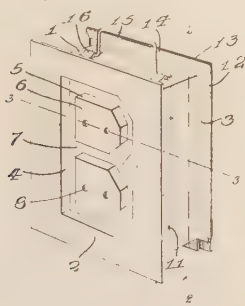
1. A shackle including a pair of headed bolts and nuts therefor, said heads and nuts being annular in form and being concentric with, but of increased diameter relatively to, the shanks of the bolts, the bolts being adapted for rigid engagement at their shanks with the parts to be shackled, in combination with a pair of independent separate links adapted for hingedly connecting the bolts and said parts together, the links being apertured to loosely fit the shanks of the bolts upon opposite sides of the shackled parts, and a pair of spaced outwardly presented annular cups on each of the links, said cups snugly embracing, and the links having a bearing for pivotal movement at said cups upon, the heads and nuts of the bolts.

1,407,943. ACETYLENE GENERATOR. FRANK W. MAZSICK, North Milwaukee, Wis. Filed Dec. 6, 1920. Serial No. 428,739. 2 Claims. (Cl. 48—49.)



1. In an acetylene generator comprising a tank and a reciprocative bell; the combination of a carbide feed mechanism comprising a hopper having a discharge throat, a circular shell communicating with the hopper throat, an oscillatory cylindrical valve nested within the shell, having a main discharge port and an auxiliary port in communication with the discharge port, and means under control of the bell for actuating the valve whereby a predetermined quantity of the carbide is discharged under normal conditions, followed by an emergency action whereby the auxiliary port is brought into communication with the throat to discharge a further quantity of carbide.

1,407,944. SIGN. ARTHUR H. MEINIG, Omaha, Nebr.
Filed Mar. 20, 1920. Serial No. 367,503. 1 Claim. (Cl. 40—133.)



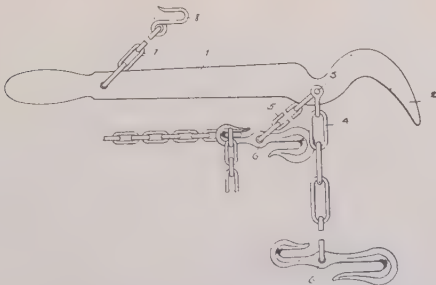
A sign of the character described, comprising a substantially rectangular box having its front portion open, angle strips secured to the side walls of the box on the interior thereof and spaced from the front open end thereof, a translucent plate fitted against said strips inwardly of the front portion of the box, a front plate secured over the open front portion of the box and having a central part cut out in the form of a letter and provided with in-turned flanges adjoining the cut-out and being disposed at right angles to the plane of the plate, said flanges extending rearwardly to the translucent plate and bearing thereagainst, blocks also having flanges resting against said translucent plate and fitted in the cutaway portion of the front plate to complete the formation of a letter, means passing through the blocks and translucent plate to hold the blocks in place, and illuminating means within the box.

1,407,945. BUTTON. NATHAN S. MEYER, New York, N. Y.
Filed Feb. 24, 1921. Serial No. 447,529. 5 Claims. (Cl. 24—90.)



2. A button having a central depression in its underside, and having its underside concaved from the rim toward the depression, a shank secured in said depression and substantially beneath the level of said rim, substantially as set forth.

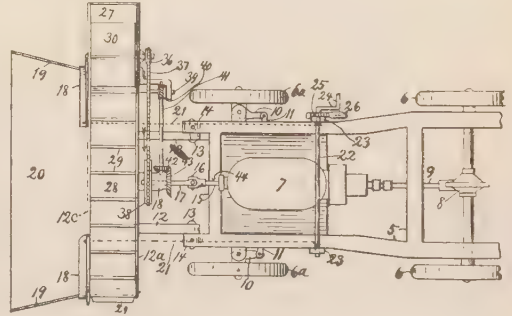
1,407,946. CHAIN TIGHTENER. ERNEST H. NELSON, Duluth, Minn. Filed Nov. 15, 1921. Serial No. 515,195. 3 Claims. (Cl. 280—179.)



3. The combination with a hooked tightening lever having two short lengths of chain attached thereto for en-

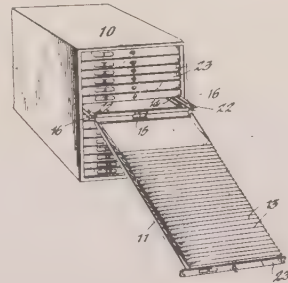
gagement with a line or rope to be tightened, one of said chains being sufficiently long and of a size to be cooperatively engaged by the hook, of double ended grab hooks pivotally mounted in the ends of the chains, substantially as and for the purpose described.

1,407,947. SNOWPLOW. LOUIS PAGEL, Stillwater, Minn.
Filed Sept. 27, 1920. Serial No. 413,037. 4 Claims. (Cl. 37—59.)



1. In a snow plow of the class described, having a wheel supported frame, a snow scoop with a flat bottom raised some with its rear edge, a transverse channel rearward of said edge, an endless conveyor in the channel, a spout at one end of the channel, a fan arranged to receive the snow from the conveyor and eject it through the spout, a motor on the wheeled frame, operative connection between the motor and the supporting wheels of the frame and operative connection between the motor and the conveyor and the fan.

1,407,948. CARD-INDEX CABINET. BENJAMIN G. RAND, North Tonawanda, N. Y. Filed Feb. 13, 1920. Serial No. 358,543. 14 Claims. (Cl. 45—2.)

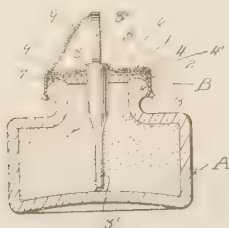


13. The combination of a cabinet having a vertical series of opposing panel-supports, the space between opposite supports being unobstructed, and panels slidably mounted on said supports, each support comprising only a bottom member to sustain the panel and a side member to hold it from lateral displacement, whereby each panel is free to rise from its supports under upward pressure of the subjacent panel, adjacent sets of supports being spaced apart vertically sufficiently to permit such rising action of the panels.

1,407,949. COMBINED MUCILAGE CAP AND SPREADER. AUGUST N. RITZ, Milwaukee, Wis. Filed Apr. 26, 1921. Serial No. 464,724. 1 Claim. (Cl. 91—67.1.)

In a bottle for mucilage, glue or the like, having a mouth provided with an annular lip; the combination of a closure therefor comprising a flange cap shell permanently crimped about the bottle lip the cap being provided with

an integral wiping tongue cut from the central body portion of the metal and extending back to the flanged edge thereof, a centrally apertured metallic disc fitted against the inner wall of the cap shell and a centrally apertured



fibre disc adjacent the inner wall of the metallic disc for yielding engagement with the lips of the bottle, and a removable tapered plug fitted into the central apertures of the fibre and metal discs, the plug and wiper tongue serving as selective means for spreading the mucilage or glue.

1,407,950. METHOD OF AND APPARATUS FOR MAKING ARTIFICIAL BARK. DOMINICK ROSSI, New York, N. Y. Filed Aug. 5, 1920. Serial No. 401,548. 7 Claims. (Cl. 41—3.)



1. The method of producing artificial stems, twigs or the like which comprises coating a substantially circular body with a gelatinous material under heat simulating in color the article to be imitated, then cutting into the gelatinous material longitudinally relative to the body.

1,407,951. CARBURIZING COMPOUND. JOSEPH HERMAN SCHMITT, Weehawken, N. J. Filed Jan. 11, 1921. Serial No. 436,600. 3 Claims. (Cl. 148—30.)

1. A carburizing compound comprising carbon, petroleum shale and calcium cyanamid.

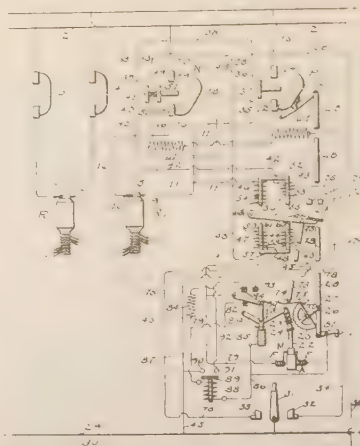
1,407,952. MANUFACTURE OF VARNISH OILS. ALEXANDER SCHWABCMAN, Buffalo, N. Y., assignor to Spencer Kellogg & Sons, Inc., Buffalo, N. Y., a Corporation of New York. Filed Mar. 17, 1921. Serial No. 453,037. 4 Claims. (Cl. 134—56.)

1. The process of producing a non-breaking raw linseed oil which comprises incorporating in such raw linseed oil a very small amount of a linoleate of a non-catalytic metal in solution in an excess of the fatty acids of linseed oil.

1,407,953. SWITCHING APPARATUS. WILLIAM M. SCOTT, Tredyffrin Township, Chester County, Pa. Filed May 6, 1918. Serial No. 232,695. 14 Claims. (Cl. 171—123.)

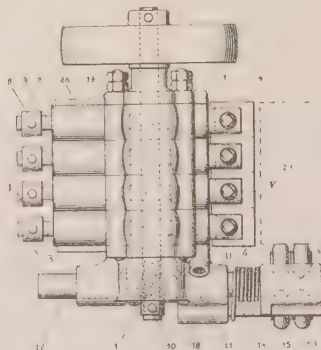
2. The combination with a circuit, of a source of current, switching mechanism for connecting the same with said circuit, a motive device for actuating said switching mechanism, means for restraining said switching mechanism in open position, electro-magnetic means responsive

to predetermined polarity relation between said source of current and said circuit, a control switch controlling said



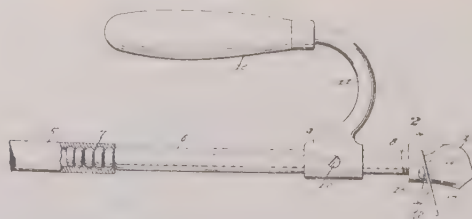
motive device, said electro-magnetic means controlling said restraining means and said control switch.

1,407,954. DEVICE FOR TRUING GRINDING WHEELS. OTTO SENDER, Schaffhausen, Switzerland. Filed June 10, 1920. Serial No. 387,984. 7 Claims. (Cl. 125—11.)



1. A device for truing grinding wheels, comprising a number of mechanically operated individual impact-tools, adjustable means to fix the device at a working distance from the face of the grinding wheel, driving means for operating the impact-tools independently from each other, and a friction device operated by said driving means for imparting a rotary feed movement to the grinding wheel.

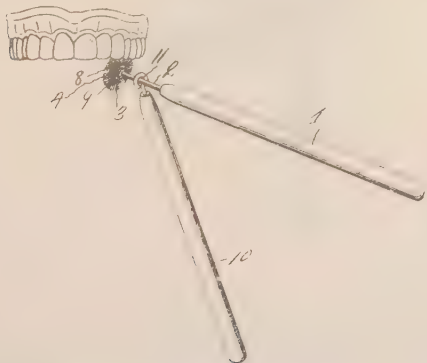
1,407,955. TAPE REMOVER. GEORGE J. SMALLEY, Hastings, Mich. Filed May 9, 1921. Serial No. 468,061. 3 Claims. (Cl. 145—41.)



2. In a combined moistener and scraper, a body, a collar adjustably secured thereto, a curved shank extending outwardly and parallel with the body having a handle, means for supplying steam to the body, a sprinkler head connected to the body and having discharge orifices ob-

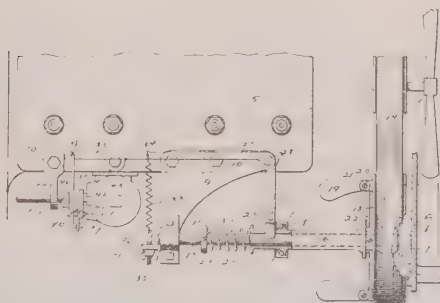
liquely positioned with relation to the longitudinal axis of the body, a hollow boss by which the sprinkler head is connected to the body, shoulders on the rear surfaces of the said sprinkler head, a scraper blade having a recess forming a clearance for the hollow boss and having slots, and screws extending through the slots of the blade and anchored in the shoulders of the sprinkler head whereby the blade is adjustably secured in position.

1,407,956. ROTARY TOOTHBRUSH. JOHN L. T. SNEED, Walters, Okla. Filed Apr. 5, 1921. Serial No. 458,706. 1 Claim. (Cl. 15—25.)



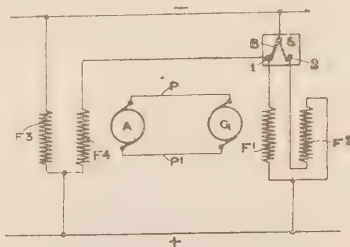
A tooth cleaning device comprising a handle member, a disc-shaped brush axially disposed on one end of said handle member and adapted to be rotated by the handle member, a holding and guiding handle, said holding and guiding handle being provided with an eye adjacent its upper end for the reception of the handle member, said eye having its inner diameter greater than the diameter of the handle member which passes through the same, thereby allowing the holding member to assume an acute or obtuse angle to the handle member, and also allowing longitudinal movement of the eye on the handle member.

1,407,957. GOVERNOR FOR TRACTORS. ULRICK SORESENSEN, Berwyn, Nebr. Filed Apr. 20, 1920. Serial No. 375,265. 1 Claim. (Cl. 264—3.)



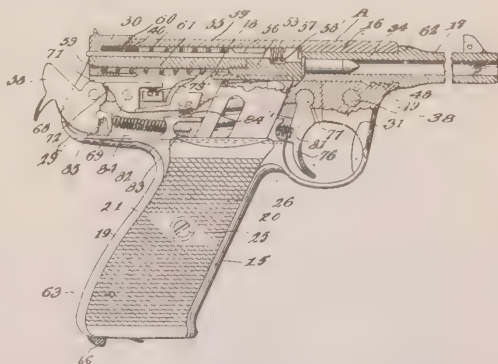
The combination with a carbureter having a rotative throttle valve and a crank on the stem of said valve, of a manually operable rotative rod and a crank thereon engaging the first named crank, an extension upon the crank of the throttle valve stem, a link connected to said extension, an L shaped lever comprising a long arm and a short arm, said lever being pivoted at its heel and the extremity of the long arm having connection with said link, a centrifugal governor, an element actuated thereby with which the short arm of the L shaped lever engages and by which said arm is moved, said arm being capable of movement in one direction independently of the element and a spring connected to said L shaped lever, the movement of said lever when manually operated being against the tension of said spring.

1,407,958. DIRECT-CURRENT MOTOR AND GENERATOR. GREENWOOD STIRK and JOHN GEORGE STIRK, Halifax, England. Filed Sept. 18, 1920. Serial No. 411,227. 1 Claim. (Cl. 172—240.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



A direct current motor and generator connected in series, in which the sections of the motor field are connected in agreement one section being permanently in circuit, the other section being connected to the single pole change-over switch, whereby on operating the said switch to reverse the polarity of the generator and the direction of rotation of the motor, a circuit is alternately opened and closed through the latter section to vary the speed of the motor.

1,407,959. AUTOMATIC LOADING PISTOL. FRED O. STORKE, Minneapolis, Minn. Filed June 11, 1920. Serial No. 388,334. 9 Claims. (Cl. 42—3.)



1. In an automatic pistol, a casing including a lower hand grip frame having an end block, a top frame including a body, and a top wall carried by the body and arranged to engage the end block, depending flanges carried by the body and arranged to engage the hand grip frame, a barrel detachably carried by the top frame and arranged to be held in position by the hand grip frame when the frames are in assembled position, and means extending through the depending flanges and the hand grip frame to hold the frames in assembled position.

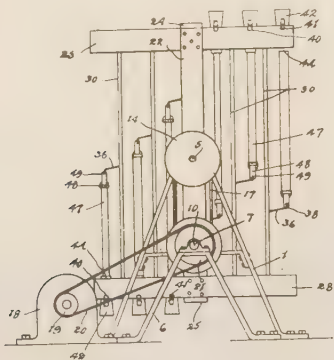
1,407,960. METHOD OF MAKING KNOBS. CHARLES P. SWICK, Waterbury, and FRANK O. KRANTZ, Oakville, Conn., assignors to American Ring Company, Waterbury, Conn., a Corporation of Connecticut. Filed June 16, 1920. Serial No. 389,358. 9 Claims. (Cl. 29—161.)



1. A method of making knobs or the like, which consists in forming a projection upon the contact face

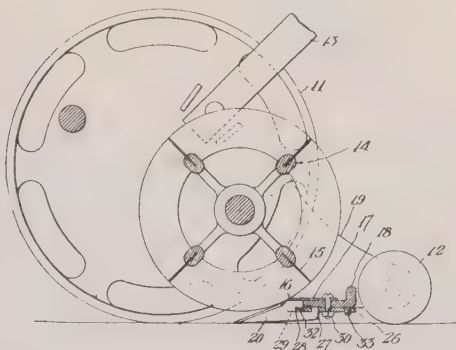
thereof, and then compressing a portion of said projection, the non-compressed portion thereof forming one or more prongs.

1,407,961. FILM-DRYING APPLIANCE. WILLIAM AIKEN TAYLOR, Winnipeg, Manitoba, Canada. Filed July 19, 1920. Serial No. 397,499. 11 Claims. (Cl. 34—26.)



8. In a film drying machine, a rotatably mounted and driven open frame structure, said frame structure presenting upper and lower pairs of opposing cross bars, film carrying racks demountably carried by the cross bars, said films having each one end free and means carried by the frame structure for catching and holding the free ends of the films and maintaining them under tension whilst in the machine.

1,407,962. BERMUDA-GRASS CUTTER. KURT R. THOMAS, Los Angeles, Calif. Filed Feb. 7, 1921. Serial No. 443,027. 5 Claims. (Cl. 56—294.)

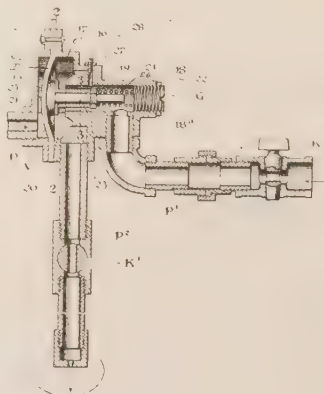


1. In a grass cutter, a cutter bar, a cutter plate mounted on said bar, a rotary cutter, a series of forwardly extending knives, a clamping plate engaging said knives and means for securing said clamping plate to said bar.

1,407,963. GAS-REGULATING VALVE. LEO EUGENE TROSCLAIR, New Orleans, La. Filed May 21, 1920. Serial No. 383,167. 1 Claim. (Cl. 236—26.)

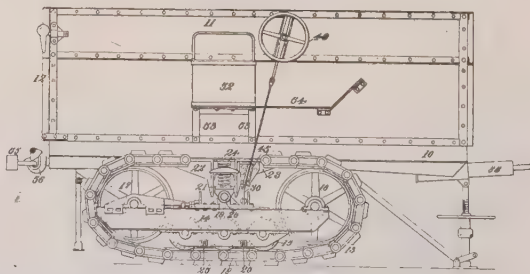
A gas regulating valve comprising, a casing, a diaphragm within the casing and arranged to divide the casing into steam and gas compartments, a steam supply pipe communicating with the steam compartment in a manner to effect a drainage of condensed steam from the compartments, an extension formed on said casing and

communicating with said gas compartments, a valve seat formed on one end of the extension, a plug threadedly engaging the opposite end of the extension, a gas supply pipe communicating with said extension, a second pipe communicating with said gas chamber adapted to convey gas to a burner, and a valve comprising a stem, a sleeve



embracing the stem and slidably mounted within said extension, a head formed on one end of the stem and adapted to engage said diaphragm, a washer interposed between said sleeve and head, a nut on said stem and engaging said sleeve for forcing the latter into engagement with said washer, and a spring surrounding said stem and interposed between said nut and said plug.

1,407,964. BRAKE MECHANISM FOR CHAIN TRACK VEHICLES. WILLIAM TURNBULL, Peoria, Ill., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed Jan. 7, 1919. Serial No. 270,038. 4 Claims. (Cl. 305—9.)

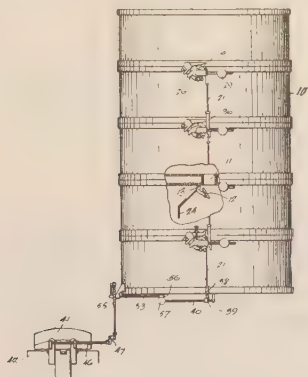


1. In a chain track vehicle, a truck mechanism including a roller carrying frame made up of spaced side plates, and an endless flexible track upon which the rollers operate, a brake shoe carried by the roller frame, guide members on the side plates of the frame in which the brake shoe is vertically movable, and operating mechanism to depress the shoe into frictional engagement with the track whereby to retard movement.

1,407,965. CONTROLLING DEVICE FOR COOKERS. WILLIAM B. WARE, Memphis, Tenn. Filed Sept. 25, 1920. Serial No. 412,883. 5 Claims. (Cl. 87—6.)

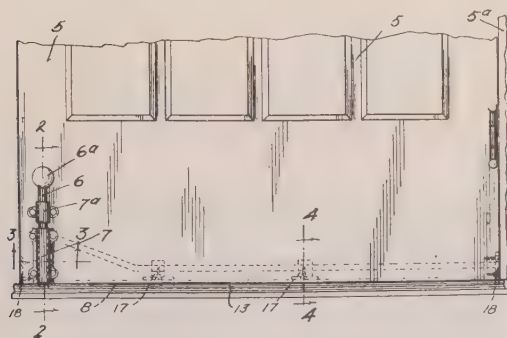
5. A trip actuating means for seed cookers, including a trip shaft, ratchet means on the shaft, a cake former having a pivoted movable head, a shaft secured on the head, a crank having a pivot pin parallel to the pivot

of the head and adjustably mounted on said shaft to shift its pivot pin toward and away from the pivot of the



head, and a connecting rod extending from the said ratchet means and engaged by the said pivot pin.

1,407,966. COMBINED LOCK-BOLT AND JOINT-PACKING STRIP FOR FRENCH DOORS. ANDREW G. WASS, Minneapolis, Minn. Filed Aug. 16, 1920. Serial No. 404,003. 2 Claims. (Cl. 20—68.)

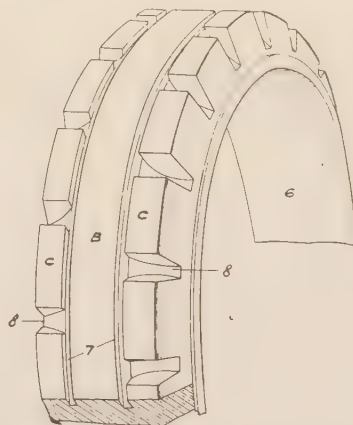


1. The combination with a door and threshold plate, of a lock bolt and joint packing blade mounted on the door and rigidly connected for common movements to simultaneously project said bolt and plate into operative positions, said blade having one end widened and said blade extending across the width of the door the widened end being secured to the bolt to enable the entire width of the space between the threshold plate and the door to be packed by a manipulation of the bolt.

1,407,967. VEHICLE TIRE. REGINALD H. WATERS, Cumberland, Md., assignor to Kelly-Springfield Tire Company, New York, N. Y., a Corporation of New Jersey. Filed July 22, 1921. Serial No. 486,663. 6 Claims. (Cl. 152—1.)

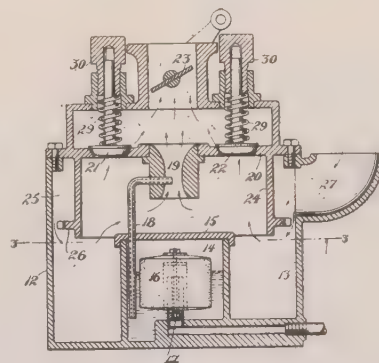
2. A tire structure formed integrally of resilient material comprising a centrally disposed circumferential strip having a smooth surface and adapted to sustain a greater unit compression stress than the traction strips, and juxtaposed counterpart traction strips separated

from said smooth strip and having transverse traction serrations across their faces, said traction strips being



adapted to deform under load to transfer a greater stress into the smooth strip, for the purpose set forth.

1,407,968. AIR CLEANER. ELMER E. WICKERSHAM, Stockton, Calif. Filed June 1, 1918. Serial No. 237,775. 4 Claims. (Cl. 183—30.)



1. In a carburetor, a mixing chamber, an air cleaner comprising an inner casing surrounding the mixing chamber, an outer casing forming an annular inlet air passageway between the casing walls and means whereby the pulsations of a suction device will cause air to flow through said passageway and the inner casing in a manner to effect the separation of solid matter from the air without restricting its flow, said outer casing being extended far enough below the inner casing to deposit the separated solid matter away from the influence of the air flow.

1,407,969. LAND TORPEDO. ELMER E. WICKERSHAM, Stockton, Calif., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed Sept. 26, 1918. Serial No. 255,818. 3 Claims. (Cl. 180—9.2.)

1. A motor vehicle comprising a frame, a separate running gear units at opposite sides thereof and an electric motor for each running gear unit operatively connected thereto, means for operating the motors in parallel, means

for separately varying the speeds of the motors to direct the course of the vehicle, means permitting operation of



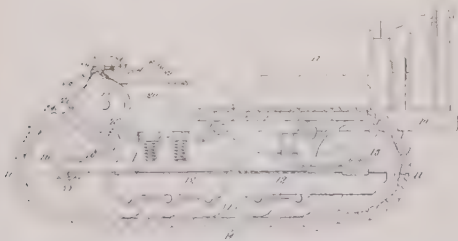
the motors in series and means located at a point remote from the vehicle for controlling the connections and speeds of said motors.

- 1,407,970. TRUCK-COMPENSATING MECHANISM. ELMER E. WICKERSHAM, Stockton, Calif., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed Feb. 6, 1919. Serial No. 275,345. 5 Claims. (Cl. 305-9.)



2. In a vehicle, the combination of a main frame, a truck at each side thereof, a chain track embracing each truck, an equalizer mechanism connecting the forward ends of opposite truck frames to each other and in turn centrally pivoted to the main frame, a pivot shaft extending through the rear ends of both the truck frames and bell crank members carried by the main frame and resting upon the rear ends of the truck frames in a manner to maintain said frames in parallel alignment and resilient means included in the connections for said bell crank members to permit fore and aft movement bodily and vertical movement pivotally and bodily.

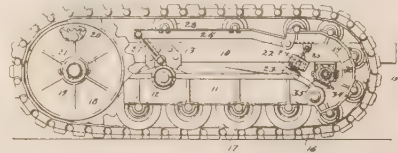
- 1,407,971. POSITIVE-REDUCTION CLUTCH. ELMER E. WICKERSHAM, Stockton, Calif., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed May 5, 1919. Serial No. 294,822. 3 Claims. (Cl. 180-9.2.)



1. In combination with a driving shaft, a clutch mechanism comprising a gear frame fixed to rotate with said driving shaft, worm gears carried by said frame, a freely rotatable sleeve mounted upon the driving shaft, a worm gear fixed to the end of said sleeve and in mesh with said gears carried by the frame, a brake drum circumscribing said shaft and sleeve, a bevel gear carried by said brake

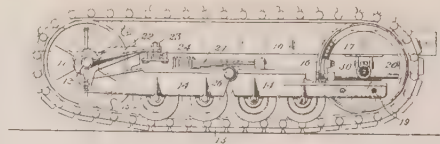
drum and reduction gearing supported by the gear frame and establishing communication between the bevel gear of the brake drum and the worm gear upon the frame, whereby retardation of the brake drum, while the shaft is being constantly driven, will produce a variation in the speeds of rotation of the shaft and the sleeve.

- 1,407,972. TRACTOR. ELMER E. WICKERSHAM, Stockton, Calif., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed May 26, 1920. Serial No. 384,345. 6 Claims. (Cl. 305-9.)



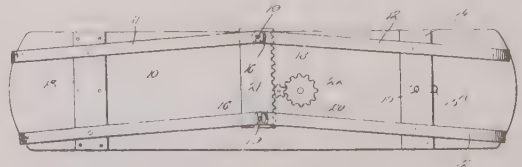
5. A tractor truck mechanism comprising an endless track, a roller truck frame operating upon the ground run of the track, a curved member hinged to the forward end of the truck frame, and rollers on said hinged member to guide the forward flight of the track.

- 1,407,973. TRACTOR-FRAME SUSPENSION. ELMER E. WICKERSHAM, Stockton, Calif., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed May 26, 1920. Serial No. 384,348. 3 Claims. (Cl. 305-9.)



1. In a tractor of the self-laying track type, a main frame, a track-laying unit at each side thereof, each unit including a truck frame for supporting the weight of the main frame, an annular supporting member on each truck frame, a ring revolvably mounted on the supporting member and forming a guide for the forward flight of the track, a horizontal member arranged within the annular supporting member and secured thereto, and an equalizer bar pivotally connected with the main frame and having a sliding connection with each of said horizontal members within the annular supporting member.

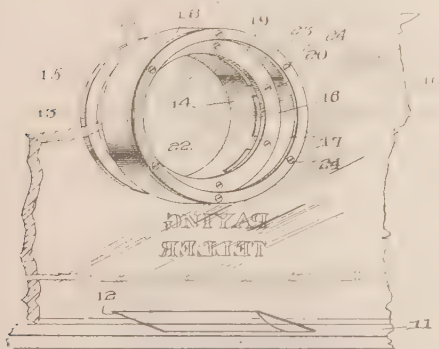
- 1,407,974. MOTOR SLED. GRIFFITH E. WILLIAMS, Cambria, Wis. Filed Apr. 2, 1921. Serial No. 457,851. 5 Claims. (Cl. 280-22.)



1. A sled or like vehicle including a body, a forward pair of runners operatively pivoted to the body intermediate their ends for oscillation in a horizontal plane, a support pivoted to the body adjacent the rear end thereof for oscillation in a horizontal plane, a rear pair of runners

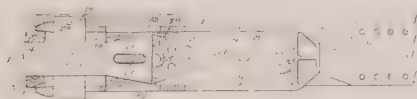
pivoted to the ends of said support intermediate the ends of the runners, pivotal connections between the rear ends of the forward runners and the forward ends of the rear runners, and manually operable means for shifting the connected ends of the runners laterally in either direction, and means permitting the runners to be oscillated in either direction beyond their median position.

1,407,975. WINDOW-HOLE PROTECTOR. CLINTON L. WOLFE, Brooklyn, and JOSEPH A. FAUROT, New York, N. Y. Filed Oct. 23, 1920. Serial No. 419,142. 4 Claims. (Cl. 20—40.)



1. A window hole protector comprising a re-enforcing rim provided with a flange adapted to bear against the glass at the edge of the opening, a cover plate frame, a cover plate secured in said frame and means projecting from said frame and co-operating with said flange for clamping the glass therebetween and means for securing said cover plate frame to said re-enforcing rim.

1,407,976. DRAFT RIGGING. IRA ORVILLE WRIGHT, Baltimore, Md., assignor to The T. H. Symington Company, N. Y., a Corporation of Delaware. Filed Apr. 29, 1920. Serial No. 377,478. 5 Claims. (Cl. 213—42.)

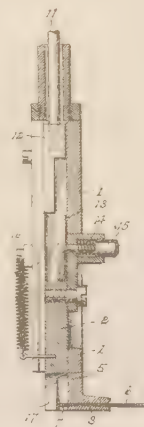


1. In a draft rigging, the combination with a coupler, of a yoke slidably connected thereto, said yoke having a hooded head adapted to receive the stem of the said coupler, a key extending through a slot in the said coupler, and means on said head adapted to engage the said key in either of two positions.

1,407,977. ART OF PRODUCING CLIPS AND THE LIKE. CORBAN H. ZILER, Windsor, Ontario, Canada, assignor of one-half to Leggett & Platt Spring Bed Co., Limited, Windsor, Ontario, Canada, a Corporation. Filed Oct. 8, 1920. Serial No. 415,606. 7 Claims. (Cl. 113—1.)

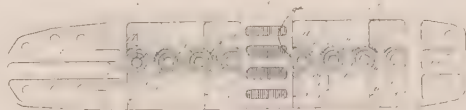
1. The method of producing connecting members of strip form from a blank and wherein the strip is curved in the direction of its length, which consists in supporting the blank with a portion substantially equal to the

width of the strip to be produced projecting beyond the face of the support, and severing the projecting portion



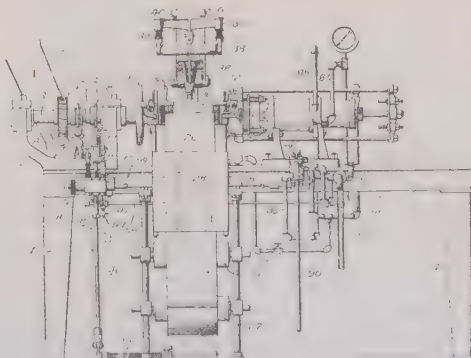
from the blank by a shearing action to cause the severed portion to curl in the direction of its length.

1,407,978. CHEEK PLATE. DONALD S. BARROWS, Rochester, N. Y., assignor to The T. H. Symington Company, New York, N. Y., a Corporation of Delaware. Filed May 31, 1918. Serial No. 237,484. 6 Claims. (Cl. 213—42.)



1. A cheek-plate for tandem spring draft rigging, said plate being provided with a plurality of main stop shoulders and a plurality of intermediate or limiting stop shoulders, a series of spaced rivet head receiving openings countersunk in the web of the said plate, each opening being adapted to receive a single rivet only a portion of the wall of each opening merging into one of the stop shoulders of the said plate.

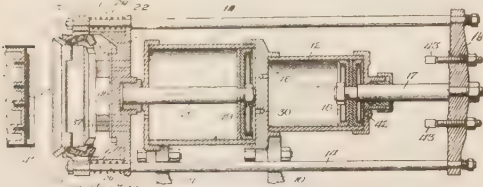
1,407,979. MACHINE FOR MAKING BATTERY JARS AND OTHER HARD-RUBBER RECEPTACLES. JOSEPH W. BISHOP, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed Aug. 15, 1919. Serial No. 317,702. 61 Claims. (Cl. 18—35.)



1. In a machine of the class described, the combination of a mandrel, means for feeding the stock to the mandrel, means for revolving the mandrel to wrap the stock thereon,

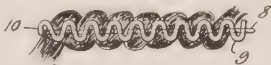
means for automatically stopping the mandrel before the wrapping operation is completed, and means for cutting the stock to the length required for completing the wrapping on the mandrel.

- 1,407,980. MACHINE FOR MAKING BATTERY JARS. JOSEPH W. BISHOP, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed May 13, 1920. Serial No. 380,952. 20 Claims. (Cl. 18—19.)



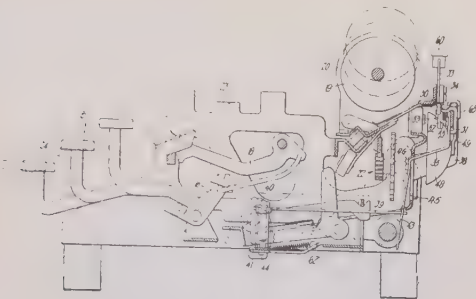
1. In a machine of the class described, the combination of a mandrel, a folding head, and folding means carried by said head and adapted to fold into co-operative relation to said mandrel.

- 1,407,981. HAIR CURLER. HENRY S. BREWINGTON, Baltimore, Md. Filed Sept. 16, 1921. Serial No. 501,138. 3 Claims. (Cl. 132—41.)



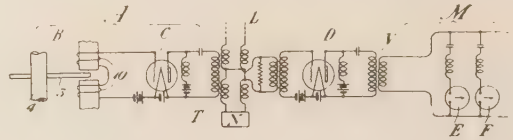
1. A hair curler or crimper comprising a pair of resiliently connected elongated jaw members, one of said members having a sinuous form and the other jaw member being straight, and means for locking said members in closed position.

- 1,407,982. TYPEWRITING MACHINE. GEORGE W. CAMPBELL, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 15, 1918. Serial No. 240,146. 23 Claims. (Cl. 197—112.)



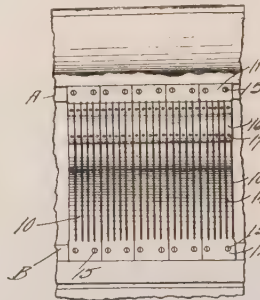
1. In a typewriting machine, the combination with type-keys and a traveling carriage, of marginal stops for arresting said carriage at the beginning and at the end of a line, a case-shift frame on which said carriage travels to be shifted thereby, a slidable member on said shift frame to shift therewith and on which said marginal stops are mounted, and a device mounted upon the frame of the machine for locking said keys at the end of said line, said key-locking device being operable by said slidable member for locking said keys in any case-position of said shift frame.

- 1,407,983. METHOD OF AND MEANS FOR DETERMINING UNBALANCE. ALVA B. CLARK, Brooklyn, N. Y., and GEORGE CRISSON, Hackensack, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed July 10, 1920. Serial No. 395,365. 8 Claims. (Cl. 179—175.)



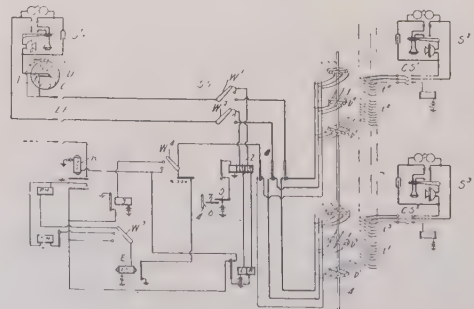
2. The method of determining the variation in the unbalance between a pair of impedance devices for a given frequency range, which consists in causing currents of certain of said frequencies in said range to flow through said devices substantially simultaneously and enter a measuring circuit in proportion to the unbalance at their respective frequencies, and determining the relative values of current in said circuit at the said frequencies.

- 1,407,984. GIN-RIB STRUCTURE. HENRY D. CLARKE, Dallas, Tex. Filed Nov. 6, 1920. Serial No. 422,150. 1 Claim. (Cl. 19—62.)



In a gin structure, an integral sheet metal section, embodying a plurality of longitudinally curved gin ribs stamped therefrom and webs integral with and uniting the ends of the ribs, means for securing the webs to the frame work of a gin, a reinforcing wear strip conforming to the curvature of the upper portion of each rib and snugly contacting therewith throughout the entire length of the wear strip and projecting laterally beyond the rib upon opposite sides thereof, and elements for clamping both ends of each wear strip to the rib carrying the same.

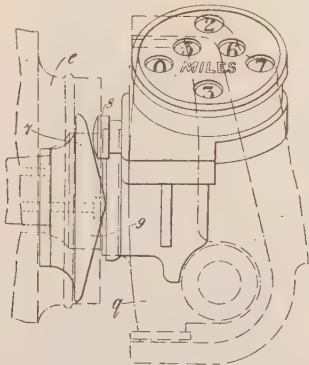
- 1,407,985. TELEPHONE SYSTEM. HENRY P. CLAUSEN, Mount Vernon, and CHARLES L. GOODRUM, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 14, 1917. Serial No. 180,609. 5 Claims. (Cl. 179—18.)



1. In a telephone system, multi-group selective switches, groups and subgroups of telephone lines terminating in said switches, calling devices for controlling said switches, means included in said calling devices responsive to the manner in which said calling devices are set for transmit-

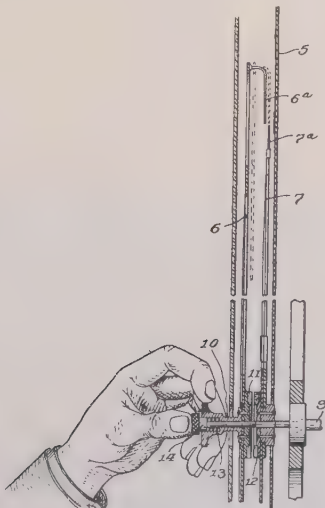
ting an impulse over said lines, means responsive to the setting of said calling devices for setting said switches in relation to a particular group of said lines, and a differentially wound relay responsive to said first means for setting said switches in relation to a particular subgroup of said lines within said selected group of lines.

1,407,986. DISTANCE-MEASURING APPARATUS FOR VEHICLES. THEODORE CORESSEY, (also known as THEODORE NICHOLAS KORESSIOS,) deceased, London, England, by Nada George Ballewitch, executrix, Barnes, England. Filed Nov. 30, 1921. Serial No. 518,957. 1 Claim. (Cl. 235—95.)



Distance measuring apparatus for motor road and other vehicles comprising in combination cam secured to the side face of the hub of the road wheel, an indicating dial and mechanism secured by clips to a stub axle of the vehicle and arranged to face rearwardly of the vehicle and at an incline to the horizontal, a plunger associated with said mechanism and projecting into the path of the cam on the wheel so as to be actuated once for each revolution of the wheel, ratchet mechanism actuated by the plunger, a pinion and spur wheel actuated by the ratchet mechanism, an element carried by the spur wheel adapted to actuate one of a train of star wheels, and an element on each star wheel adapted to partially rotate the adjacent star wheel to actuate indicating discs.

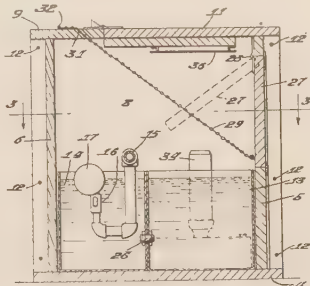
1,407,987. INDICATOR FOR WEIGHING SCALES. SAMUEL G. CRANE, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Feb. 1, 1918. Serial No. 214,817. 15 Claims. (Cl. 265—1.)



1. In a weighing scale and in combination with the dial thereof, a plurality of separately movable indicator hands

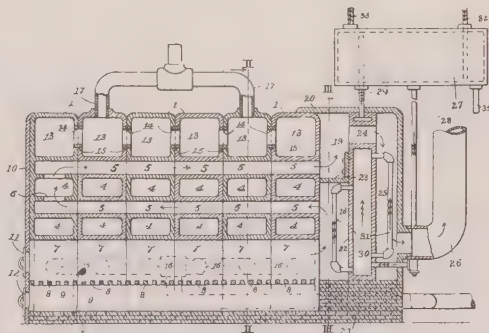
having their indicating portions arranged in the same vertical plane parallel to the plane of the dial, and means for normally connecting said hands to the weighing mechanism of the scale.

1,407,988. WATERING TROUGH AND HEATER. ARTHUR W. CUMMINGS, Rockford, Ill. Filed Oct. 7, 1921. Serial No. 506,012. 6 Claims. (Cl. 119—73.)



1. A watering trough and heater of the character described comprising a housing rectangular in horizontal section, a water supply tank positioned within said housing adjacent to its back wall and extending from side to side thereof leaving an unoccupied floor space from side to side between said tank and the front of the housing, a water trough and a heater positioned side by side in said space, the front wall of the housing having an opening in front of said trough, a door adapted for closing said opening, water supply means within said supply tank for maintaining the water at a given level therein, and a water supply connection between said tank and the trough.

1,407,989. INTERPOSED WATER HEATER. EDWARD DAVOCK, New York, N. Y. Filed Dec. 27, 1920. Serial No. 433,250. 6 Claims. (Cl. 122—20.)

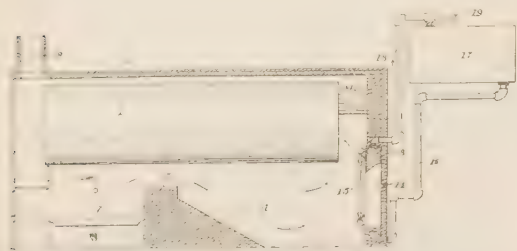


1. The combination with a steam generator having a flue space leading to the chimney, and a plurality of horizontal flues through the body of the generator communicating with said flue space, of a chambered partition interposed across the path of the products of combustion from the generator flues to the chimney, there being a passage for the products of combustion through the partition, said chambered partition extending transversely to the generator flues, an auxiliary partition extending from the chambered partition to the generator between adjacent horizontal flues for the purpose specified, and means for circulating water through said chambered partition.

1,407,990. HEATING SYSTEM. EDWARD DAVOCK, New York, N. Y. Filed Nov. 14, 1917, Serial No. 202,004. Renewed Mar. 30, 1921. Serial No. 457,052. 3 Claims. (Cl. 122—20.)

1. The combination with a steam boiler and the setting for the combustion chamber thereof, of a water heater

imbedded in the wall of the setting, a plurality of circulating pipes projecting from the water heater into the



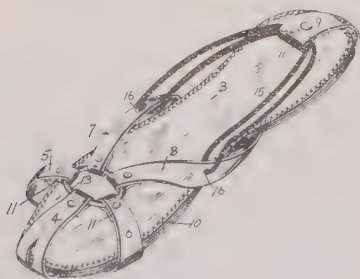
combustion chamber, and means for circulating water through said heater, the circulation of the imbedded water heater being independent of the other operation.

- 1,407,991. SHADE ROLLER. THOMAS DIGNEY, Bridgeport, Conn. Filed Feb. 21, 1921. Serial No. 446,895. 2 Claims. (Cl. 156—36.)



2. In a shade roller, the combination with a spring actuated barrel and a longitudinal shaft contained therein having a shouldered notch, of an end member for closing the barrel and having a hole to rotatably receive the shaft, including a hub portion extending into the barrel and having a series of guide ways surrounding the notched end portion of the shaft, a series of pawls slidably mounted in said guide ways to engage the shaft, and a cap fitted upon the hub of the end member for enclosing the pawls, said end member provided with an annular shoulder in the peripheral face of which is an annular groove, and said cap having its edge portion pressed into said annular groove, and the body of said cap having extensions projecting therefrom and into the path of operation of the pawls to limit the movement of the same.

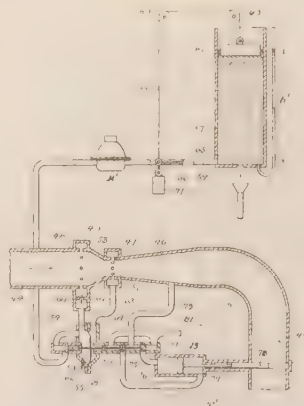
- 1,407,992. SANDAL OR SLIPPER. WILLIAM SIDNEY HOWARD DOODY, Sydney, New South Wales, Australia. Filed Oct. 22, 1920. Serial No. 418,844. 2 Claims. (Cl. 36—11.5.)



1. A sandal or slipper comprising a sole secured by stitching to a backing strip consisting of ti tree bark covered with cloth fabric, a toe strap, forepart straps at each side of the sole, instep straps extending from each side of the shank of the sole, each of said straps being secured at one end between said sole and its backing strip and having a loop on its free end, and a metal coupling

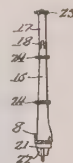
link elongated in one direction threaded through the loops of said strap and adjustable therein to permit loosening or tightening of said forepart or instep straps on the foot of the wearer of said sandal or slipper.

- 1,407,993. FLUID SYSTEM. GEORGE GOODELL EARL, New Orleans, La., assignor of one-third to Charles Arthur Brown, Lorain, Ohio, and one-third to Albert Baldwin Wood, New Orleans, La. Filed Feb. 26, 1917. Serial No. 150,928. 21 Claims. (Cl. 137—78.)



21. In a fluid system, a source of fluid supply, a main duct, said duct being divided into supply and exhaust portions by an intermediate portion of relatively high resistance to fluid flow, a valve in said exhaust portion, a pair of pressure chambers, a communicating duct from the said supply portion to a first one of the said chambers, a connecting duct leading from a different point of the main duct to the second chamber, one of said communicating ducts having a pair of relatively large conduit chambers inter-linked by a small connecting opening, and a movable member adapted to be differentially operated responsive to pressures in the two chambers, said valve being controlled by said member.

- 1,407,994. LUGGAGE CARRIER. MATTHEW A. FORD, Davenport, Iowa. Filed Dec. 8, 1920. Serial No. 429,193. 15 Claims. (Cl. 224—29.)

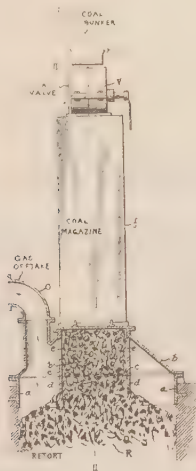


15. A luggage carrier for automobiles adapted to be supported along the outer edge of a running board thereof comprising a plurality of horizontal luggage retaining bars, of means for supporting said bars in vertically spaced operative relation along the outer edge of said running board, comprising longitudinally tapered upright members upon and by the tapered surfaces of which said bars are supported in vertically spaced relation.

- 1,407,995. RADIATOR COMPOSITION. ORVAL B. FOSTER and LESTER FOSTER, Fort Smith, Ark. Filed July 8, 1920. Serial No. 394,737. 1 Claim. (Cl. 134—17.5.)

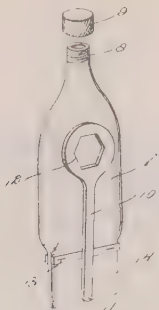
A radiator compound comprising a mixture of fibrous pulp, corn starch, wood alcohol, hydrochloric acid and coloring matter.

1,407,996. VERTICAL RETORT FOR CARBONIZING COAL. WILLIAM TEMPLE GARDNER, Bruern, England, assignor to Isbell-Porter Company, Newark, N. J., a Corporation of New York. Filed Dec. 24, 1920. Serial No. 433,028. 2 Claims. (Cl. 202-5.)



1. A feeding device for a vertical retort comprising a top section for the retort, a hopper, a mouth-piece having an inclined side and an outlet and interposed between and communicating with said top section and hopper, separated partitions within said mouth-piece and forming a passageway through the mouth-piece from the hopper into the top section, each of said partitions having an opening adjacent to the side of the mouth-piece opposite to its inclined side.

1,407,997. OIL OR GREASE DISPENSING DEVICE. CURRY WILMER GREGORY, Frederick, Md. Filed May 11, 1921. Serial No. 468,551. 7 Claims. (Cl. 221-60.)

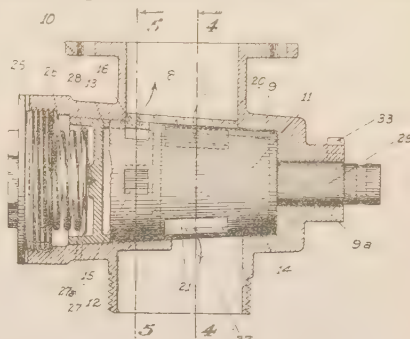


1. In a dispensing device of the character described, a compressible container, a compression device connected thereto and adapted to be swung thereon to a number of positions, the said device adapted when in one position to assist in compressing the said container.

1,407,998. TOILET FLUSH. CHARLES H. GUNN, Emeryville, Calif., assignor to one-ninth to C. H. Black, Oakland, Calif., and one-ninth to F. O. Nebeker, Oakland, Calif. Filed Sept. 24, 1919. Serial No. 326,016. 3 Claims. (Cl. 251-107.)

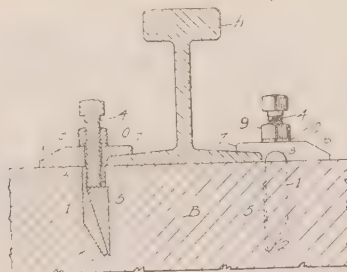
1. A valve comprising a casing having a pair of transversely spaced ports therein, a discharge port opposite to said first named ports, an intake port positioned between said other ports, a cylindrical member rotatably mounted in the casing and adapted to be turned by hand, a transverse division wall in the cylindrical member, the latter being hollow; and ports in each of the chambers thus formed; one of the ports in one chamber being adapted to register with the intake port in the casing while

another port registers with one of said first named casing ports, said last-named chamber-port being adapted to register with the intake port while another port in said chamber registers with the other one of said first



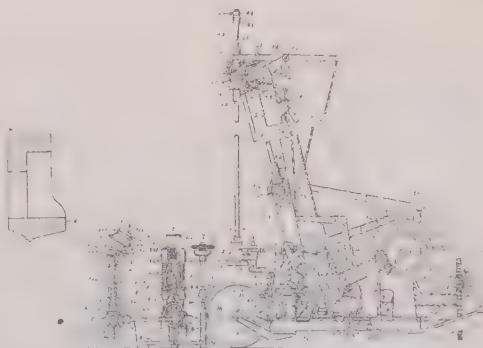
named casing-ports, and one of the ports in the other chamber being adapted to constantly register with the discharge port in the casing while the other port is in alignment with either one of the first named ports in opposed order to the registering therewith of the port in the other chamber.

1,407,999. RAILWAY-RAIL LOCK. LEWIS W. HARRIS, Richmond, Ind. Filed Dec. 28, 1921. Serial No. 525,286. 3 Claims. (Cl. 238-294.)



2. A railway rail lock comprising a pointed body, a tapered wedge located in said body and adapted when forced downward to project outward from the side of the body, a bolt for driving said wedge downward, a dog loosely mounted on said bolt, a nut threaded on the bolt for causing said dog to clamp the base of a railway rail, all substantially as shown and described.

1,408,000. GLASSWORKING MECHANISM. NOBLE W. HARTMAN, Toledo, Ohio, assignor to General Electric Company, a Corporation of New York. Filed Jan. 27, 1913. Serial No. 744,549. 32 Claims. (Cl. 49-1.)



3. A glass-blowing machine comprising a stationary frame, a non-traveling mold mounted thereon, a blow-pipe, means for rotating said blow-pipe about its longitudinal axis and for swinging it from said mold into a glass pot to gather a charge of glass and then back to the said mold, means for marvering said charge during its return to said

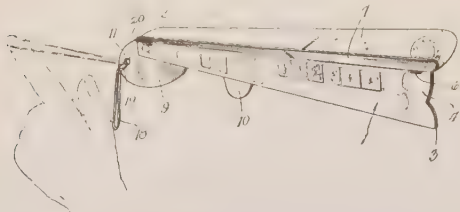
mold, means for admitting air to said blow-pipe while in operative position with respect to said mold and means for removing the blown article from the said blow-pipe during its movement toward said glass pot, the aforesaid means comprising means for causing the aforesaid operations to be automatic and to follow a predetermined sequence, and a single means for supporting said blow-pipe and maintaining it in substantially the same vertical plane during all of said operations.

9. The combination with a blow pipe and a carrying mechanism therefor of a marvering device comprising a pair of juxtaposed members forming therebetween an aperture of predetermined shape, at least one of said parts being loosely mounted and adapted to be driven by the charge of glass on said blow pipe during its passage through the said aperture and to roll the said charge of glass into a shape similar to that of the said aperture.

18. In a glass working machine, the combination of a supporting arm mounted on a horizontal pivot for translatable movement through a vertical plane, a gathering device carried thereby, mechanisms including a marverer, a mold, and a cleaner mounted in said plane, and means for positioning the supporting arm and the glass gathering device carried thereby into cooperative relation with the said mechanisms.

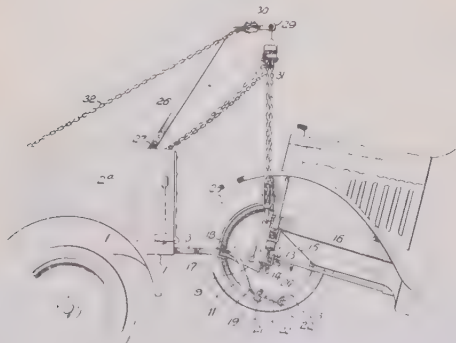
27. In a glass-forming apparatus, the combination with a device adapted to hold a mass of glass, of mechanism for imparting movement to the holding device on its longitudinal axis and for arresting said movement to effect an elongation of the gather.

1,408,001. AERIAL TOY. BERNARD K. HAUCK, Cincinnati, Ohio, assignor to Spotswood Specialty Co., Lexington, Ky. Filed Nov. 30, 1921. Serial No. 518,862. 8 Claims. (Cl. 244—12.)



7. In a toy of the class described, a folded multiply body member, and a keel member disposed between the plies of the body member and within the said fold thereof, the fold being formed with a slot, the keel member being provided with a keel portion engaging about one end of the fold and extending longitudinally beneath the said fold, the said keel member being provided with another keel portion engaging in said slot, the last mentioned keel portion being formed in its edge with a notch having locking engagement with one end wall of the said slot.

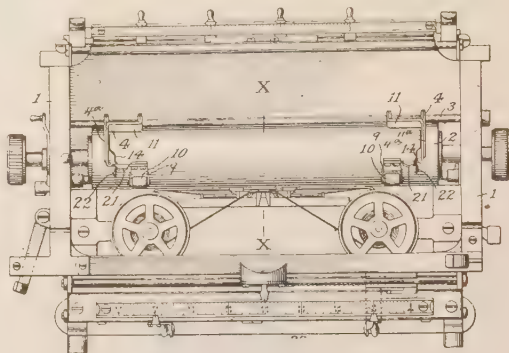
1,408,002. TOWING DEVICE. ALOIS HEYMOSS, Detroit, Mich. Filed Apr. 19, 1920. Serial No. 374,861. 4 Claims. (Cl. 214—77.)



1. A vehicle towing device comprising a carrier adapted to support the forward end of a vehicle, and a tongue ex-

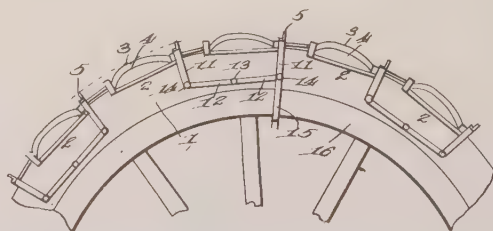
tending rearwardly from said carrier adapted to be connected to the steering mechanism of the vehicle to be towed.

1,408,003. PAPER FINGER FOR TYPEWRITING MACHINES. FREDERIC W. HILLARD, Tottenville, N. Y. Filed Mar. 7, 1921. Serial No. 450,204. 25 Claims. (Cl. 197—139.)



1. In a paper finger device for typewriters, the combination with the platen, of a support pivotally and slidably mounted with respect to the platen and having a plate positioned laterally beyond the field of a work sheet carried by the platen, a supporting arm hingedly connected to the plate and extending longitudinally of the platen into the field of the work sheet, a paper finger device carried by the supporting arm, locking means co-operating between the plate and the supporting arm to normally retain the finger in work-engaging relation with the platen, and means whereby the locking means may be released from its co-operating relation, whereby the supporting arm may be swung longitudinally of the platen out of the field of the work sheet.

1,408,004. NONSKID AND TRACTION DEVICE. AUGUST JOHNSON, Deep Creek, Wash., and OSCAR LANDHOLM, Wallace, Idaho. Filed May 19, 1921. Serial No. 470,800. 5 Claims. (Cl. 152—14.)

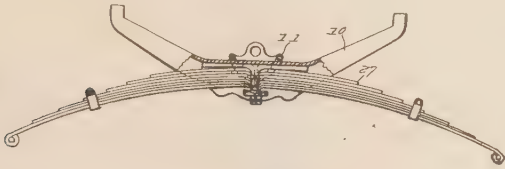


1. A traction and non-skid device for wheels, comprising a series of transversely curved tread sections, links connecting said sections and disposed along the tread of the wheel whereby the device may be held taut on the tread, one end of each section having a retaining arm extending radially inwardly alongside the tire, and links connecting alternate adjacent arms, leaving alternate adjacent arms unconnected.

1,408,005. SPRING FOR AUTOMOBILES. WILLIAM L. JONES, South Mills, N. C. Filed July 15, 1921. Serial No. 484,885. 4 Claims. (Cl. 267—52.)

1. In a spring for automobiles, an upper and lower clamping plate, transversely disposed ribs formed centrally of each of the clamping plates, the lower clamping plate having a transversely disposed groove or seat at the junction of the rib with the said plate, spring leaves having their inner ends terminating at the shoulders of

the plates, said springs being abruptly bent downwardly at the ends to fit in the grooves of the plates and to in-



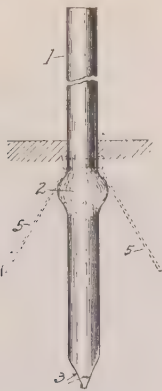
terlock with one another, and a clamping element for holding the plates in assembled relation to the said leaves.

1,408,006. ART OF DENTAL SURGERY. LAWRENCE A. KIANDER, New York, N. Y. Filed Jan. 7, 1921. Serial No. 435,568. 4 Claims. (Cl. 32-12.)



1. In an artificial denture device, a denture body and a connecting pin or part one end of which is loosely connected with the denture body and the other end of which is provided with a tooth clasp.

1,408,007. METALLIC FENCEPOST. CARL KLEIN, Wichita, Kans. Filed Mar. 15, 1920. Serial No. 365,726. 1 Claim. (Cl. 189-31.)

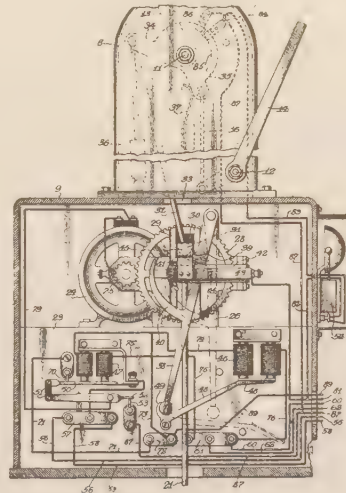


In combination, a metal fence-post provided with a swell adjacent to its lower end; a plurality of separate, flexible spikes assembled in contact with the post, each spike being provided with an outwardly projected lip on its upper end and with a pair of outwardly projected lugs spaced below said lip; and a metal ring embracing the upper ends of the spikes and confined between said lips and lugs, substantially as described.

1,408,008. RAILWAY-CROSSING GATE. ALLISON W. KNEE, Greenville, Mich., assignor of one-third to George Hopkins, Greenville, Mich. Filed Sept. 7, 1920. Serial No. 408,593. 9 Claims. (Cl. 39-7.)

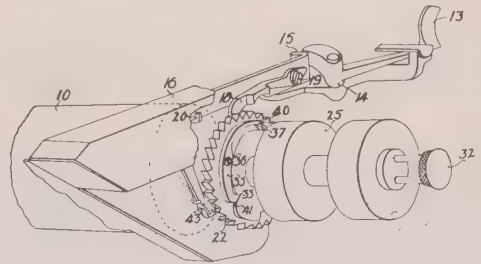
1. The combination with a gate adapted to close by gravity and be opened by power, of a controlling apparatus for the gate, comprising a motor adapted to raise the gate, a constantly energized magnet adapted to be

de-energized and then re-energized, an armature held by said magnet, a detent held by said armature to retain the gate raised and adapted to release the gate to descend



by gravity when the magnet is de-energized, and a motor circuit adapted to be established by the re-energizing of the magnet to place said motor in operation to raise the gate.

1,408,009. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 15, 1919. Serial No. 310,911. 13 Claims. (Cl. 197,114.)

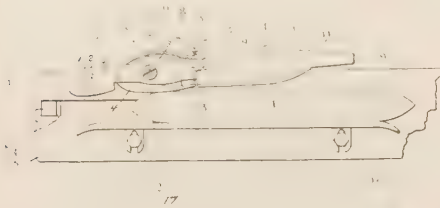


1. In a typewriting machine, the combination with a revoluble platen and a line-space lever, of a line-space wheel, a pawl driven by said lever for driving said wheel, an axle fast to said platen, a disk fast to said axle, a second pawl pivoted to said wheel, a cam on said disk against which said second pawl bears, a spring tending to swing said second pawl against said cam to advance the platen, and a device to limit the travel of the second pawl on the cam to cause the line-space wheel to positively drive the disk when the limit of travel of the second pawl is reached.

1,408,010. SWELL CHECK FOR LOOMS. EMMANUEL LAVALLEE, Pawtucket, R. I. Filed Dec. 9, 1919. Serial No. 343,544. 8 Claims. (Cl. 139-29.)

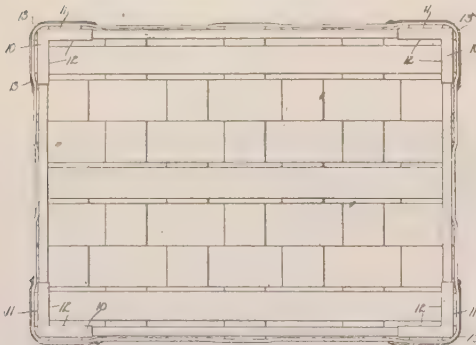
7. In a swell check for looms, a shuttle check, means for causing it to be yieldingly pressed inward throughout its entirety, said check having a swell and having a slot near its pivoted end, a supplemental swell having a lug extending through the slot and pivoted near its outer end

for movement therein, a spring normally acting to force the inner end of the supplemental swell inwardly, and means carried by the inner end of the supplemental swell



and cooperating with the shuttle check for adjusting and limiting the inward movement of said supplemental swell on its pivot.

1,408,011. BASKET. ABRAHAM H. LAVIETES, Shelton, Conn. Filed June 24, 1921. Serial No. 480,006. 2 Claims. (Cl. 217-122.)

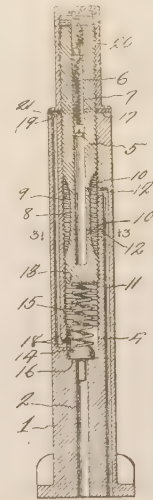


1. A basket including bottom slats shorter than the length of the basket, a top frame, straps arranged between the bottom slats and the bottom of the basket and extending upward therefrom, and corner-irons applied to the upper edge of the top frame and formed with flanges extending inside the said frame.

1,408,012. TIRE VALVE AND GAUGE. WILLIAM C. LOY, Rochester, Ind., assignor of one-half to Frank E. Bryant, Rochester, Ind. Filed Jan. 18, 1921. Serial No. 438,122. 1 Claim. (Cl. 152-11.5.)

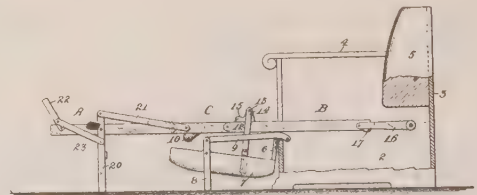
A tire valve comprising a valve stem, a vertically disposed air passage in said valve stem, the upper end of said vertically disposed passage being threaded and enlarged, a vertically adjustable threaded core threaded in said enlarged portion of said vertically disposed passage, a valve cooperating with a valve seat between the enlarged portion of the vertically disposed passage and the reduced portion thereof, a coiled spring engaging said valve and the lower end of the threaded core, a passage for the exhaust of air connecting the lower end of the enlarged portion of the air passage and extending to the upper end of the valve stem, a valve mechanism disposed in a chamber of the core, the lower end of said core being reduced, passages of communication between the chamber of the core and an annular chamber formed by the reduced portion of the core, an air passage in communi-

cation with the annular chamber and the lower end of the valve stem, and a cap threaded on the upper end of



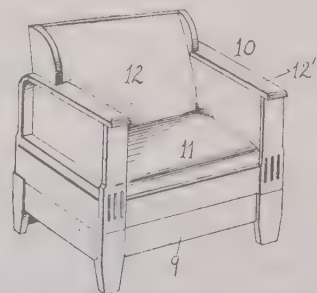
the threaded core and adapted to close the upper end of said core and close the upper end of the exhaust air passage.

1,408,013. CONVERTIBLE DAVENPORT BED. JOSEPH LUPPINO, Brooklyn, N. Y. Filed Oct. 30, 1918. Serial No. 260,336. 30 Claims. (Cl. 5-51.)



1. A convertible bed structure comprising a framework and a sectional spring mattress including a shiftable rear section and openable to form a full length bed transversely of the length of the framework, a single pair of hangers forming the only direct linkage connection between the sectional mattress and the framework, each pivotally connected at one end to one end of the rear section and at its opposite end to the framework whereby when the sections are folded they are hung at the rear thereof from the framework through the medium of said hangers.

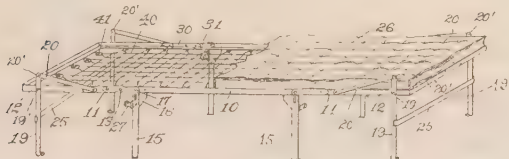
1,408,014. FOLDING CHAIR BED. JOSEPH LUPPINO, Brooklyn, N. Y. Filed Dec. 23, 1920. Serial No. 432,697. 25 Claims. (Cl. 5-51.)



1. In a folding chair bed, the combination of a supporting framework, a chair seat hinged to one side of

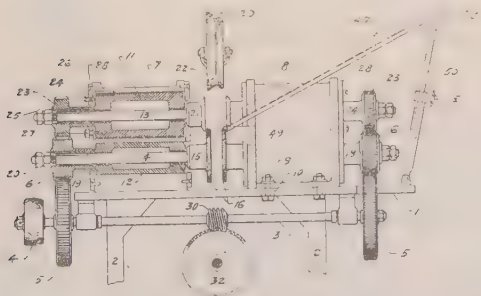
said framework for swinging movement to the rear thereof, a sectional spring mattress housed within said framework and openable to form a full-length bed in the direction of its length and including a rear section and a front section, said sectional mattress being supported on the framework independently of the rear section, and hangers pivotally suspending the rear section from the seat, whereby upon swinging the seat to its open position the sectional mattress is lifted into position to be unfolded thereby to permit the front section to be swung in a direction opposite to the direction of movement of the seat thereby to open the bed.

1,408,015. FOLDING COT. JOSEPH LUPPINO, Brooklyn, N. Y. Filed Jan. 17, 1921. Serial No. 437,748. 19 Claims. (Cl. 5-5.)



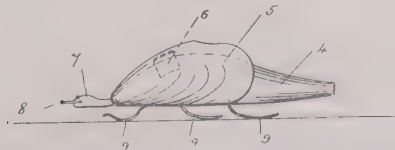
4. A foldable bed structure comprising a plurality of bed sections pivotally connected together and including an inner and an intermediate section, said inner section being pivotally connected to the intermediate section intermediate its length, and automatically foldable legs for the inner section controlled by the free end of said intermediate section.

1,408,016. TRIMMING DEVICE. ROBERT MCCLLENATHEN, Cuyahoga Falls, Ohio, assignor to Kelly-Springfield Tire Company, Akron, Ohio, a Corporation of New Jersey. Filed Mar. 18, 1921. Serial No. 453,440. 7 Claims. (Cl. 164-61.)



1. A device of the character described comprising in combination, coating disk cutters arranged in separated pairs, friction increasing means on one disk of each pair adapted to engage and draw the work through the disks; and an automatically operated work pressure member adapted to intermittently press upon and release the work periodically in relation to the progress of the linear flow of the work through the cutters.

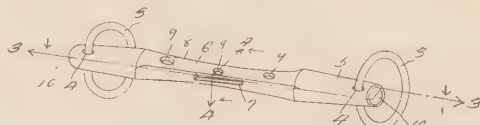
1,408,017. ORNAMENTAL INSECT. JANE MESSENGER, Pacific Grove, Calif. Filed Mar. 26, 1921. Serial No. 455,786. 2 Claims. (Cl. 46-40.)



1. An ornamental insect having its body portion provided with wing cases formed of the two similar shells of

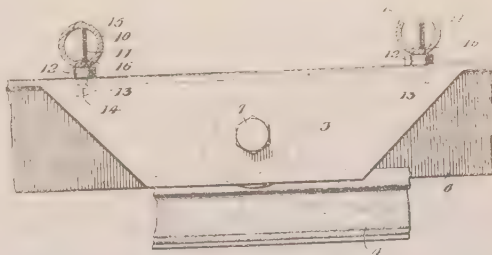
a bivalve, said shells being secured over the body portion adjacent to the head of the insect with their hinged parts uppermost and their lower edges separated to afford a passage for the legs of the insect.

1,408,018. CALF WEANER. EDWARD P. MILLER and VICTOR V. NELSON, Atwater, Minn. Filed Aug. 5, 1920. Serial No. 401,412. 1 Claim. (Cl. 119-134.)



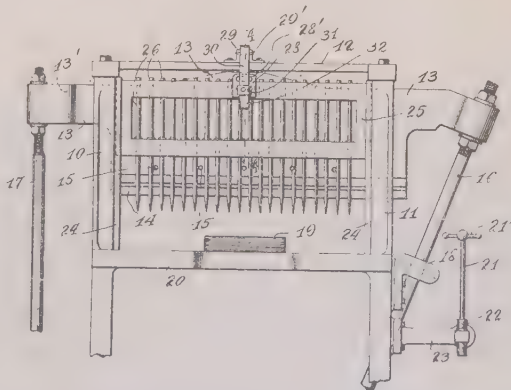
A weaning bit formed from an elongated tubular member, the central portion of said tubular member being restricted and oblong shaped in transverse cross section, said rectangular shaped portion being horizontally disposed and provided with elongated slots in the opposite vertical walls thereof, the enlarged ends of the bit forming means for preventing the animal from forcing the walls of the mouth into closed engagement with the restricted portion of the bit, the ends of said elongated tubular member being outwardly tapered.

1,408,019. BREAD PAN OR OVEN TRAY. GEORGE MUELLER, Salt Lake City, Utah. Filed May 28, 1921. Serial No. 473,360. 8 Claims. (Cl. 107-56.)



1. An oven tray comprising an open wheeled frame adapted to run into and out of a baker's oven, and tubular pan supporting members mounted on the frame and presenting convex faces to the hearth or bottom of the oven.

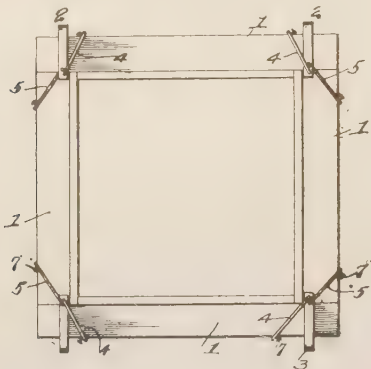
1,408,020. SAFETY DEVICE FOR PAPER-CUTTING MACHINES AND THE LIKE. WALTER B. MURTHA, New York, N. Y. Filed Nov. 14, 1919. Serial No. 337,906. 6 Claims. (Cl. 74-105.)



1. In a machine having a support and a member movable toward and from said support, a safety device carried by said machine and normally resting in operative position on said support, means for latching the safety

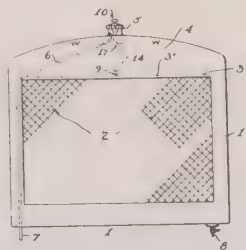
device in its inoperative position, means whereby when the member is at the point farthest from its support said latching means is rendered operative, and means operable at the beginning of the movement of said member toward its support for releasing said safety device and allowing it to move by gravity to its normal operative position.

1,408,021. CORNER-CLAMP FOR CONCRETE FORMS. OLIVER CURTIS NILSON, Carthage, Mo. Filed June 11, 1921. Serial No. 476,663. 1 Claim. (Cl. 144—191.)



In a clamp of the character described, the combination of a U-shaped frame formed from a flat strip of material, the side arms of the frame having flat surfaces and being straight throughout their entire lengths, outer and inner U-shaped jaws formed from single strands of material, the end portions of said jaws extending through the side arms of said frame, the end portions of the outer jaw being bent to form substantially U-shaped inwardly extending hooks, the end portions of said inner jaw being bent to form substantially U-shaped outwardly extending hooks, whereby the end portions of the jaws are positively held from accidentally disengaging said frame, regardless of wear and severe usage, as and for the purposes set forth.

1,408,022. RADIATOR ALARM. JAMES G. NOLEN, New York, N. Y. Filed Mar. 10, 1919. Serial No. 281,758. 12 Claims. (Cl. 116—109.)

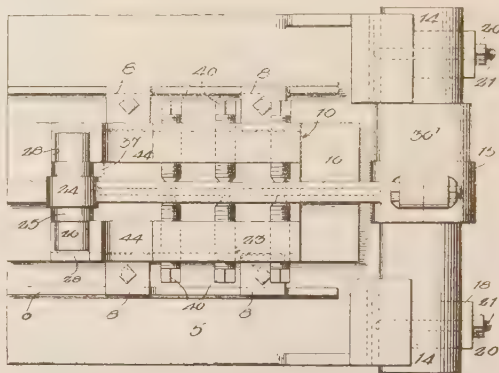


8. In combination, an automobile radiator; and a signal device comprising a whistle; and an open tube communicating with said whistle in a water and air-tight manner and extending downwardly into the radiator to the lowest desired level of water in the radiator; said signal device being normally internally free of obstruction from end to end, except at times by the water of the radiator, thereby to permit the passage of steam to the whistle when the water in the radiator is below said level; said whistle being adapted for the giving of an effective and audible signal by a steam pressure insufficient to force water from the working water-level of the radiator to the whistle.

1,408,023. CONNECTING-ROD GAUGE AND STRAIGHTENER. FRED W. NUERWELL, Tulsa, Okla. Filed June 6, 1921. Serial No. 475,253. 5 Claims. (Cl. 153—38.)

1. A connecting rod straightening device comprising a base having upstanding shoulders formed with V-shaped

notches, a mandrel contacting with the walls of said notches and adapted to be extended through a connecting rod bearing, a carriage slidable on said base and having



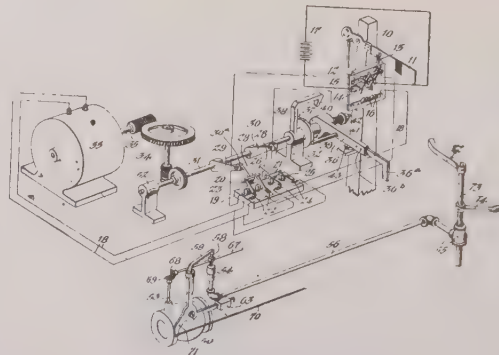
upstanding side walls, and pairs of spaced set screws adapted to engage the opposite sides of said rod whereby to straighten the rod.

1,408,024. AXLE GAUGE. FRED W. NUERWELL, Tulsa, Okla. Filed Aug. 27, 1921. Serial No. 496,039. 1 Claim. (Cl. 33—180.)



In a device for determining twist in vehicle axles, a rod; and spaced collars mounted on the rod, the collars being of conical form, each collar having a longitudinal passage for the reception of the rod, and one collar having a transverse bore intersecting the passage of the said collar intermediate the ends thereof; and a pin in the bore, the pin constituting a stop for one end of the rod.

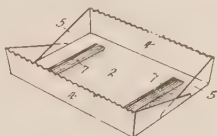
1,408,025. AUTOMATIC TRAIN-STOPPING APPARATUS. VICTOR W. NYE and EDWARD M. AMTHOR, Buffalo, N. Y. Filed Oct. 23, 1919. Serial No. 332,660. 10 Claims. (Cl. 246—186.)



4. In an automatic train-stopping apparatus, the combination with a locomotive having an accessory to be actuated, of a semaphore arm, an electric circuit, a motor

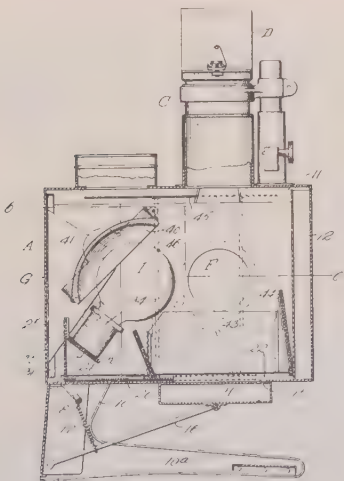
in said circuit, a shaft rotatable by said motor, a trip device mounted on said shaft, a main switch for establishing the motor circuit controlled by said semaphore arm, a pair of auxiliary switches included in said circuit and normally closed, cam levers carried by the rotary shaft and adapted to open said auxiliary switches, means operated by said shaft during a portion of its revolution for raising said trip device to its inoperative position, means for returning said trip device to its operative position during the remaining portion of the revolution of said shaft, and means on the locomotive arranged to be tripped by the trip device for actuating said accessory.

1,408,026. DESK TRAY OR BASKET. NED A. OCHILTREE, Omaha, Nebr. Filed Oct. 29, 1920. Serial No. 420,410. 4 Claims. (Cl. 220—62.)



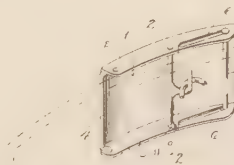
1. A portable desk tray having its bottom provided with a raised support for papers, located in proximity to one of the boundaries of said bottom, and rising sufficiently above the general level of the bottom to cause the edge of a paper lying within the basket to project upward from the bottom in convenient position to be grasped, the proximate wall parallel with said support being cut away at its mid portion to afford unobstructed access to the upturned ends of papers lying upon the support.

1,408,027. PROJECTION APPARATUS. HARVEY N. OTT and FRANK H. BUFTON, Buffalo, N. Y., assignors to Spencer Lens Co., Buffalo, N. Y. Filed Nov. 13, 1919. Serial No. 337,773. 26 Claims. (Cl. 88—24.)



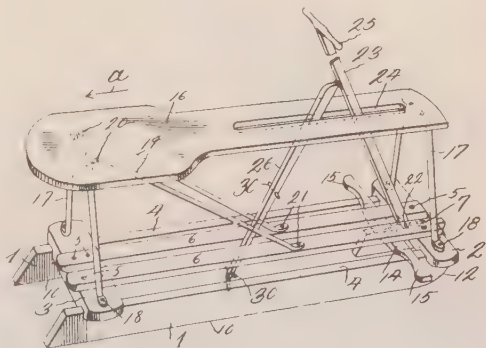
1. In a projection apparatus, the combination of a light casing, a transparent projection objective, an opaque projection objective, means for holding a transparent object and an opaque object in operative relations to said respective objectives, and a source of light movable in a direction transverse to the planes of the axes of said objectives from a position for illuminating one of said objects to a position for illuminating said other object.

1,408,028. BELT BUCKLE. EDWARD E. PEAKE, Texarkana, Tex. Filed Oct. 25, 1920. Serial No. 419,191. 4 Claims. (Cl. 24—191.)



1. The combination with a belt buckle, of an arm supported for swinging movement upon the rear side of the buckle body, and a loop-engaging finger projecting upwardly from the said arm.

1,408,029. SLED. ALBERT L. PLATTE, Clinton, Ill. Filed May 24, 1921. Serial No. 472,048. 1 Claim. (Cl. 208—158.)

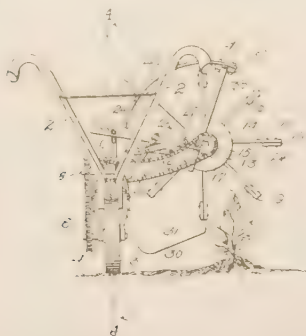


A sled comprising spaced runners in parallel relation to each other, the spaced runners being connected together adjacent their ends by transversely disposed bars, longitudinally disposed bars superimposed on the transversely disposed bars and spaced above the upper edges of the runners, a centrally disposed guide runner pivoted to the forward transversely disposed bar, a foot engaging bar carried by the guide runner and extending outwardly from beneath the longitudinally disposed bars and overlying the upper edges of the runners, a seat supported by brackets carried by the transversely disposed bars and provided with a longitudinally disposed slot, an operating lever pivoted between the forward ends of the longitudinally disposed bars and extending upwardly through the elongated slot in the seat and a ground engaging arm pivoted to the operating lever and extending downwardly through the slot in the seat and having its free end extending through the space between the longitudinally disposed bars.

1,408,030. BOLL - WEEVIL CATCHER. HAMPTON J. POPE, Bolling, Ala. Filed Oct. 19, 1920. Serial No. 417,960. 6 Claims. (Cl. 43—142.)

1. In a machine of the class described, the combination with a beam, of a frame supported upon said beam including pairs of standards, the standards in each pair being secured at their lower ends close together and having their upper ends spread apart, horizontal bars fastened to

the upper ends of said standards, a paddle wheel journaled upon the outer end of said bars, a pan secured upon the



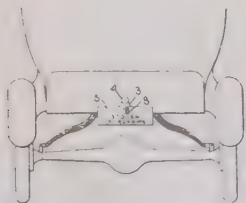
beam under said paddle wheel, and means connected to the frame and paddle wheel for rotating the same..

1,408,031. PLOW. FRANK RAMSEY, Shelbyville, Ky. Filed Sept. 7, 1921. Serial No. 499,008. 2 Claims. (Cl. 97-23.)



2. A mold-board for plows consisting of a body having a central opening provided with complementarily serrated edges, the serrations of one edge being larger than the serrations of the other edge, each serration of the first edge having one face parallel to a face of the corresponding serration of the second edge, and rollers, each mounted between a respective pair of serrations whereby to form a fan shaped structure, journals at the ends of said rollers, said body having semi-circular grooves in its back extending from the serrations and constituting bearings for said journals, bearing caps covering said journals, said mold-board having dove-tailed slots extending from the journal bearings, a dove tail on each cap fitting a respective slot, said caps having longitudinal slots wherethrough bolts may pass, and a single bolt for each cap passing through the longitudinal slot in said cap and engaging the mold-board.

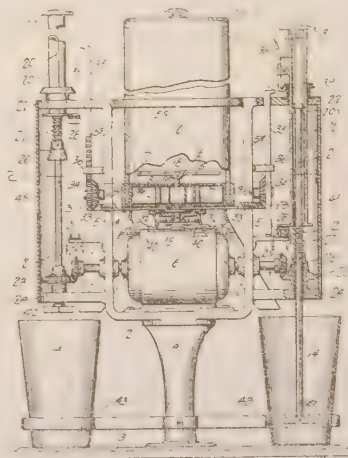
1,408,032. AUTOMOBILE THEFT INDICATOR. DANIEL REISER and ORIN J. REISER, Cleveland, Ohio. Filed Apr. 2, 1921. Serial No. 458,111. 6 Claims. (Cl. 40-61.)



5. A license tag support for automobiles comprising a metal plate having in its face a removable panel adapted

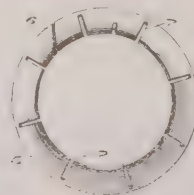
to contain an identification card, a second plate removably secured to the face of said first plate so as to cover said panel, said second plate having on one side a legend indicating that the car if moving is being operated without authority and having an official license tag secured to its opposite side, means for securing the first plate to a visible part of the machine, and means for securing said plates detachably together, said second means including a locking device.

1,408,033. BEVERAGE MIXER. ROBERT W. RIEDEL, Ault, Colo. Filed May 4, 1921. Serial No. 466,767. 11 Claims. (Cl. 259-24.)



1. In apparatus of the character described, a dispensing element, a relatively stationary electric motor, a mixing element mounted for downward adjustment, means for operating the dispensing element by downward motion of the mixing element, and means to effect the operation of the mixing element by the motor, at a determined point in the downward movement of the same.

1,408,034. PISTON PACKING. THOMAS GUNNI SEXTON, Lexington, Ky., assignor to Emelius M. McKee, Lexington, Ky. Filed Apr. 10, 1917. Serial No. 161,089. 4 Claims. (Cl. 74-109.)



1. A metal packing-ring comprising a hollow frustum provided with an inward-extending, marginal, basal flange, and a laterally inclined wing having open-ended, transversely-disposed slots to compensate for lateral expansion and contraction.

1,408,035. CELLULOSE SOLUTION. WALTER T. SCHEELE, Hackensack, N. J., assignor to H. Mortimer Specht, New York, N. Y. Filed Nov. 24, 1920. Serial No. 426,169. 2 Claims. (Cl. 134-79.)

2. A solution comprising copal and cellulose acetate dissolved in ketone having a boiling point between 80° and 227° C.

- 1,408,036. PULSATOR FOR MILKING APPARATUS. JOHN A. SCHMITT, Columbus, Ohio, assignor to The Universal Milking Machine Company, a Corporation of Ohio. Filed Jan. 23, 1919. Serial No. 272,684. 16 Claims. (Cl. 31-101.)



1. The combination with a fluid pressure operated pulsator mechanism, of a movable control valve governing the action of the fluid pressure upon said mechanism, a pivoted operating member oscillated to and fro by the action of said mechanism, two arcuate faces upon said valve member alternately moved into positions concentric with the pivotal point of the operating member by the movement of said valve to its alternate positions, one end of the operating member having a wiping engagement with the concentrically positioned arcuate face and adapted by its engagement therewith to lock the valve member against reversal until said locking end of the operating member has moved beyond said arcuate face, and an actuating spring connecting the opposite end of the operating member and the movable valve and tensioned by the oscillation of the operating member to shift the valve member when released by the locking end of the operating member.

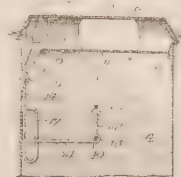
4. The combination with fluid operated pulsator mechanism, of a movable control valve governing the action of the fluid pressure upon said mechanism, an operating member actuated by the said mechanism and moving in a plane parallel with that of the valve member, the paths of travel of the valve member and the operating member intersecting whereby the movement of the valve is prevented until the operating member is withdrawn from its path of travel, and means energized by the action of the said mechanism for shifting the valve.

7. In a construction of the character described, an oscillatory valve member, an oscillatory control member operating in a plane common with that of the oscillatory valve and an actuating spring for the valve, the control member being adapted to simultaneously lock the valve member and tension the spring to actuate the valve member when released by the control member, and means to actuate the control member.

11. In a snap over mechanism of the character described, the combination with a body having therein a pair of ports to be alternately opened and closed, of a port governing lever and a control lever pivoted in spaced relation and independently movable to and fro past dead center positions in relation with their respective pivotal points, the mean ends of said levers oscillating in intersecting paths of travel, and a spring connecting the mean end of the port governing lever and the extreme end of the control lever, said spring being tensioned by the movement of the control lever to subsequently actuate the port governing lever, and means controlled by the opening and closing of the ports for oscillating the control lever.

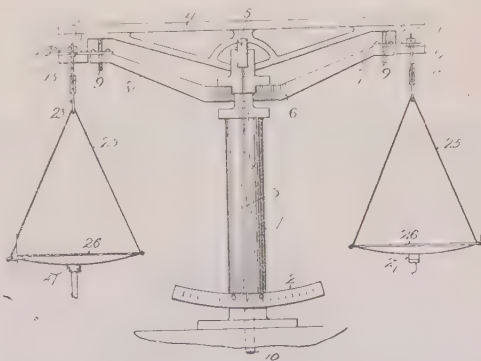
15. In a snap over mechanism of the character described, the combination with a body having therein ports to be alternately opened and closed, of a port governing lever, and a control lever independently movable to and fro in intersecting paths of travel, a spring connecting the mean end of one lever with the extreme end of the other lever, and tensioned by the movement of the control lever to subsequently actuate the port governing lever, and means controlled by the opening and closing of the ports for actuating the control lever.

- 1,408,037. TOY. ERNEST G. SCHREYER and CHARLES HEWSON, Chicago, Ill. Filed Oct. 27, 1920. Serial No. 419,792. 5 Claims. (Cl. 46-41.)



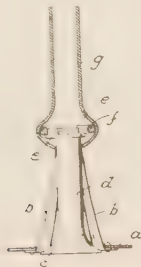
1. A toy, comprising a cabinet, a cover therefor, a latch for securing said cover in closed position, means including a rotatable crank for locking and releasing said latch, and means for automatically projecting an object from said cabinet upon release of said cover.

- 1,408,038. SCALE. JACOB E. SEEDERER, New Rochelle, N. Y., assignor to Seederer & Co., New Rochelle, N. Y., a Firm composed of John E. Neumann, Robert C. Strohm, Jacob E. Seederer. Filed Feb. 24, 1921. Serial No. 447,508. 2 Claims. (Cl. 265-54.)



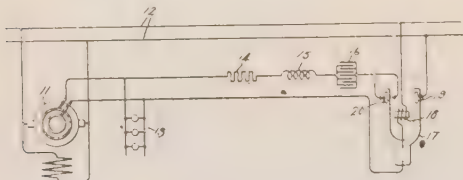
1. In a scale the combination of a scale beam, a pan and a stirrup for supporting said pan on said beam, cooperating bearing members for said stirrup adapted to automatically center the stirrup lengthwise of the beam and comprising a knife edge bearing member on the beam and a cooperating V shaped crotch bearing member on the stirrup, said stirrup having diverging edges, and a fork adapted to act on said diverging edges to move the stirrup to center it laterally of the beam when said fork is moved in one direction, said fork being adapted to be disengaged from said stirrup after centering it, whereby the stirrup will be unrestrained in swinging on its bearing.

- 1,408,039. RING INSERTER FOR MILKING-MACHINE TEAT CUPS. FRANK S. SNYDER, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 4, 1921. Serial No. 434,868. 8 Claims. (Cl. 29—88.2)



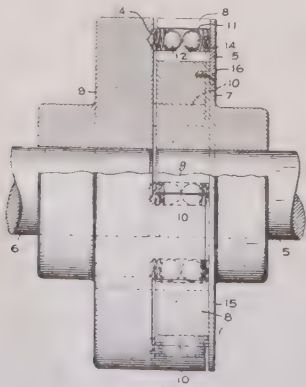
1. A device for inserting a ring into an elastic tube comprising, in combination, means to stretch the tube, and a ring support adapted to pass the ring through the stretching means into the tube, said support being arranged to permit the stretcher to collapse after the ring has passed the stretcher.

- 1,408,040. REGULATION OF ELECTRICAL APPARATUS. BYRON W. ST. CLAIR, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Feb. 13, 1920. Serial No. 358,560. 7 Claims. (Cl. 171—119.)



1. In combination, dynamo-electric machinery the speed of which is to be maintained constant, adapted to be driven from a source of direct current and to furnish alternating current, and an electric system supplied from the alternating current side of said machinery adapted to provide a damping load that is a function of the variation of the speed of the machinery from that desired, said system including a vibratory make and break device causing said load to be appreciably effective periodically at a rate proportional to the desired frequency of the system, and a circuit resonant to a frequency approaching the desired frequency of the system.

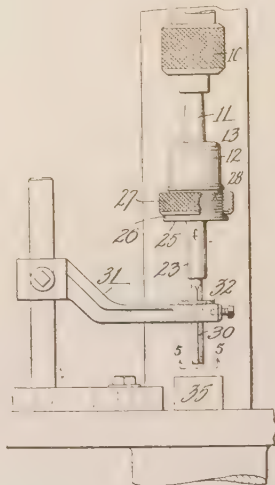
- 1,408,041. SHAFT COUPLING. CHRISTIAN STEENSTRUP, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 6, 1918. Serial No. 265,630. 5 Claims. (Cl. 64—91.)



1. In a jaw coupling, a pair of face plates having inter-leaving jaws, adjacent faces of said jaws being in spaced

relation to each other and provided with semi-circular opposed axially extending recesses, and solid circular filling members which fit in said recesses and fill the same, said jaws being adapted to slide axially on said filling members to permit of axial adjustment in the coupling.

- 1,408,042. DEVICE FOR DRILLING SQUARE HOLES. HARRY SWIFT, Webster, Mass. Filed May 19, 1920. Serial No. 382,580. 4 Claims. (Cl. 77—61.)



1. In a drill, the combination of a hollow drill chuck having a central passage in the end and a larger chamber at the inner end of said passage, a drill holder loosely passing through said passage into the chuck and free to move laterally in the passage, a block in the chuck to which the shank of the drill holder is fixed, a hollow block in the chuck, and means for centering the drill holder with respect to the chuck to permit of boring round holes.

- 1,408,043. MANUFACTURE OF TURNED SHOES. WILLIAM H. TAYLOR, Fort Thomas, Ky., assignor of one-half to The Val Duttonhofer Sons Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 25, 1921. Serial No. 472,515. 3 Claims. (Cl. 12—142.)

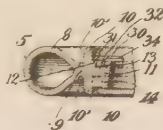


2. The process of making turned shoes, which consists in first applying the shank piece to the last and securing the same temporarily, then applying the sole, then drawing the turned upper on the last and sewing it to the sole, then removing and turning the upper without removing the shank piece from the last, and then fitting the shoe to the last and securing the shank piece to the counter, and then removing the shoe with the shank piece and attaching the heel.

- 1,408,044. TIRE-FORMING CORE. KNUD O. B. TEXTORIUS, New York, N. Y., assignor to Tex Engineering Corporation, New York, N. Y. Filed May 27, 1921. Serial No. 473,088. 9 Claims. (Cl. 18—45.)

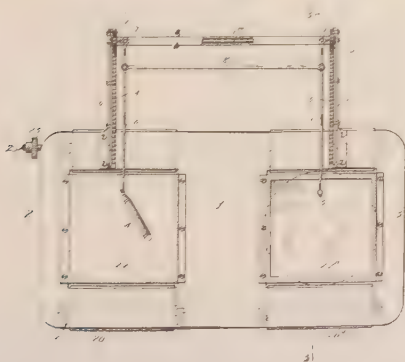
1. A tire forming core comprising a plurality of arcuate sections, hinges inseparably connecting said sections to each other, a key section coacting with certain of the

first named sections to position the core sections in circumferential alignment with each other, and a single



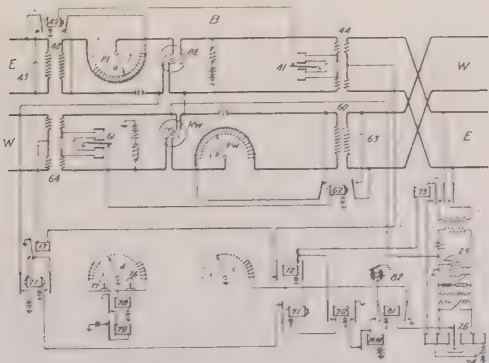
locking means common to all of said core sections for holding the same against relative displacement.

1,408,045. PANTOGRAPH APPARATUS. GEORGE S. TIFFANY, Summit, N. J., assignor to Telautograph Corporation, Richmond, Va., a Corporation of Virginia. Filed Feb. 1, 1918. Serial No. 214,854. 1 Claim. (Cl. 33-25.)



In a pantographic apparatus the combination of a support having two writing fields, a tracer in one field, a receiving pen in the other, a carrier movable on the support transversely to the writing fields, pinions on said carrier and racks on the support engaged thereby whereby the carrier is maintained parallel to the writing fields, rods pivotally connected at their rear ends to the carrier, one carrying the tracer and the other the receiving pen in their front ends, and a rod pivotally connected with said rods intermediate their ends whereby the lateral movements of the tracer are transmitted to the pen.

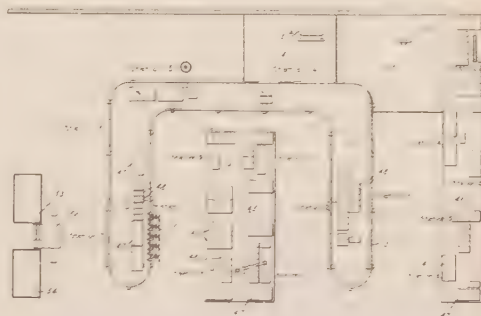
1,408,046. TELEPHONE SYSTEM. HORACE W. ULRICH, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 11, 1919. Serial No. 310,042. 16 Claims. (Cl. 179-170.)



1. In a telephone circuit, in combination, a four-wire transmission circuit including a pair of transmission lines for transmitting in opposite directions, amplifiers for the transmission lines, an automatic switch, means under control of the automatic switch for determining the am-

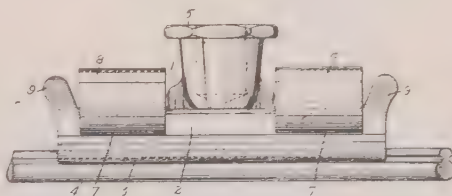
plification of the amplifiers, means for interconnecting the ends of the transmission lines to form a loop circuit thereof and for simultaneously advancing the switch to a predetermined position thereby setting the amplifiers for the highest degree of amplification so that power circulates over the loop circuit, power responsive means for advancing the switch until the circulation of power ceases, and means responsive to interruption of the circuit for connecting said power responsive means with said loop circuit.

1,408,047. APPARATUS FOR ASSEMBLING DEVICES COMPRISING A NUMBER OF PARTS. JOHN W. UPP, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 1, 1919. Serial No. 294,109. 9 Claims. (Cl. 29-84.)



1. In combination, a work table adapted to support supplies of parts to be assembled, a track surrounding said table, and carriers on said track for holding devices while they are being assembled from the parts on the work table.

1,408,048. TROLLEY-CONDUCTOR CLAMP. NILS J. A. WAHLBERG, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 31, 1920. Serial No. 370,058. 10 Claims. (Cl. 191-43.)

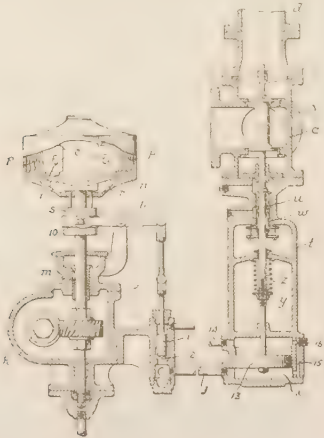


2. A trolley-conductor clamp comprising a pair of conductor-holding members resiliently biased toward each other to grip a conductor therebetween.

1,408,049. GOVERNING MEANS FOR MARINE TURBINES. CARL R. WALLER, Trenton, N. J., assignor to De Laval Steam Turbine Company, Trenton, N. J., a Corporation of New Jersey. Filed Sept. 4, 1919. Serial No. 321,721. 6 Claims. (Cl. 137-140.)

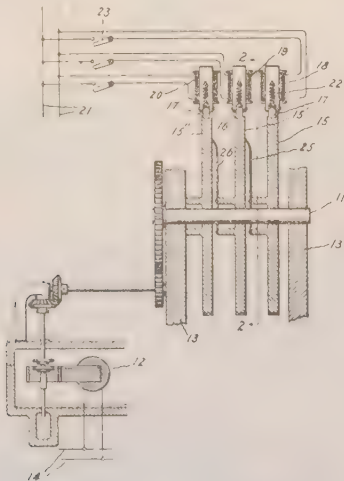
1. In a governing means for steam turbines, the combination with a turbine unit, of a governor operable thereby, a steam admission valve, a lubricating oil circulating system for the turbine unit, including a constantly open throttling passage causing a predetermined rate of flow from one part of the system to another, means controlled by the governor to vary the rate of flow to the first mentioned part of said system, thereby varying the pressure of oil at one side of said throttling

passage, and a movable element connected with and controlling the opening and closing of the steam valve and



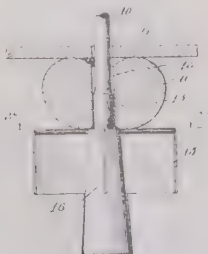
controlled in its operation by said variation in pressure of oil at one side of the throttling passage.

1,408,050. TIMING DEVICE. HENRY E. WARREN, Ashland, Mass., assignor to General Electric Company, a Corporation of New York. Filed Feb. 3, 1920. Serial No. 356,107. 6 Claims. (Cl. 161-15.)



1. In combination, a shaft, a pair of rotatable members frictionally mounted upon said shaft so as to be driven thereby, means for driving said members at a uniform speed, means for stopping said members at different times, and indicating means carried by said members to indicate their relative movement.

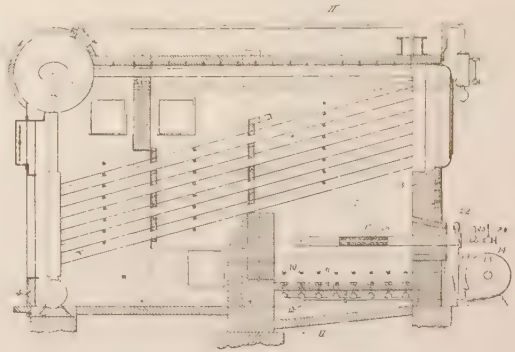
1,408,051. FRUIT TRIMMER AND SLICER. THOMAS WHITTAM, West Kendall, N. Y. Filed Sept. 7, 1921. Serial No. 499,118. 6 Claims. (Cl. 146-6.)



1. A device for trimming cored fruit comprising a stem portion for insertion in the cored opening in the fruit

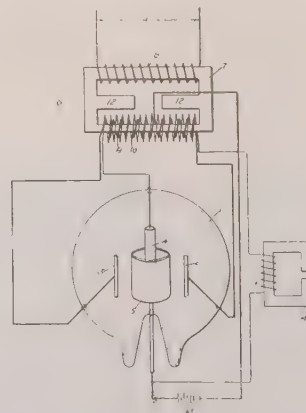
and a trimming blade on one side of and spaced from said stem and extending in an arc part way across the latter for trimming one side of the cored opening.

1,408,052. STEAM BOILER. WILLIAM F. WEGNER, New York, N. Y., assignor of one-half to Morland A. Brower, New York, N. Y. Filed Aug. 23, 1921. Serial No. 494,651. 9 Claims. (Cl. 158-5.)



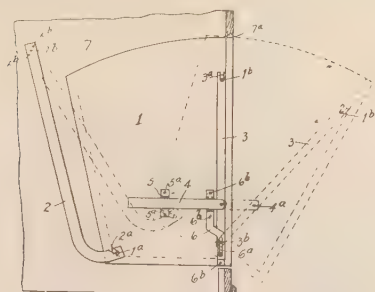
3. In a steam boiler, a fire box, a source of illuminating gas supply, a gas generating device located in the fire box and containing difficultly fusible gas generating material, means for feeding steam to said gas generating device, and means for leading gas from both said source of gas supply and said gas generating device into the fire box for combination therein of their products of combustion.

1,408,053. HOT-CATHODE APPARATUS. ROY J. WENSLEY, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 8, 1919. Serial No. 316,168. 4 Claims. (Cl. 250-27.)



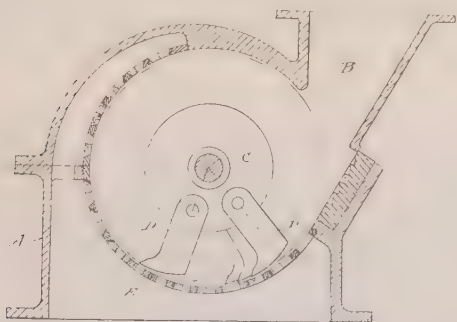
1. In an electron-tube device, the combination with a cathode, of a main anode, a load circuit joining said electrodes through a source of alternating electromotive force, an auxiliary anode, means for producing a discharge from said auxiliary anode to said cathode, whereby the cathode is raised to incandescence and the flow of current through said load circuit is initiated, and means whereby said flow of load current reduces the amount of said starting discharge.

1,408,054. BIN. CHARLES M. WILLIAMS, San Diego, Calif. Filed Aug. 5, 1921. Serial No. 489,951. 4 Claims. (Cl. 211—6.)



1. A device of the class described, including side walls with a front opening, a bin adapted to fit therein provided with a curved upper open side, hangers pivotally mounted on the walls of said recess at their upper ends and their lower ends pivotally connected to the lower back corners of said bin, other supports connected to the front upper sides of said bin and their lower ends pivotally and vertically shiftable in brackets secured to the walls of the recess and bars horizontally shiftable pivotally connected to said supports intermediate their ends.

1,408,055. CAGE FOR REDUCING MACHINES. MILTON F. WILLIAMS, St. Louis, Mo., assignor to Williams Patent Crusher & Pulverizer Company, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 18, 1920. Serial No. 417,746. 5 Claims. (Cl. 83—11.)



1. The combination with rotary hammers, of a plate cage curved according to the hammer circle and having angular discharge openings therethrough, each of said openings having two sides that converge toward each other, and each side extends slantingly transverse to the planes of rotation of the hammers forming converging cutting edges in the plane of the inner face of the cage for each opening and located at the far side of each opening with respect to the movement of said hammers.

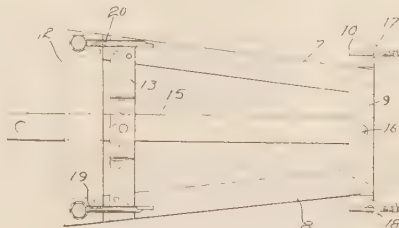
1,408,056. EXPLOSIVE. ALFRED WOHL, Danzig-Langfuhr, Germany. Filed June 4, 1920. Serial No. 386,588. 5 Claims. (Cl. 52—1.)

1. An explosive comprising a mixture of solid high molecular polymerized acetylene and a combustion supporter liberating oxygen during detonation.

1,408,057. DRAWBAR FOR TRACTORS. GEORGE ZIMMER, Acampo, Calif., assignor of one-fourth to William C. Whitmore and one-fourth to A. A. G. Zimmer, Oakland, Calif. Filed Feb. 16, 1920. Serial No. 359,205. 1 Claim. (Cl. 213—67.)

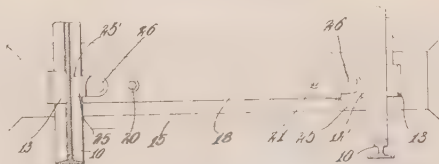
A draw bar frame for tractors comprising a flat frame having two transversely and longitudinally extending

members, one of said members forming a yoke adapted to be bolted to the engine frame at the front, and the other of said members connecting the rear ends of the longitudinally extending members at a point back of the periphery



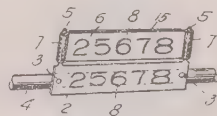
of the tractor supporting wheels, braces for connecting the rear end of the frame to the engine frame for supporting the draw bar, and a draw bar pivotally connected to the front end of the draw bar frame and capable of moving laterally with respect to the rear of said frame.

1,408,058. RAIL-FASTENING MEANS. JOHN ZOTKIEWICZ, Mount Carmel, Pa. Filed Nov. 28, 1921. Serial No. 518,235. 6 Claims. (Cl. 238—51.)



1. In combination with a pair of track rails, a tie bar having integral flanges at opposite ends adapted to engage the base flanges of the rails on one side thereof, and a pair of pivoted latch bars adapted to engage the opposite sides of the said base flanges, and worm and pinion operating means for said latch bars.

1,408,059. LICENSE TAG. JOHN L. ALKIRE, Denver, Colo. Filed Feb. 14, 1918. Serial No. 217,060. 7 Claims. (Cl. 40—16.)

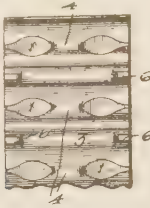


1. A license-tag composed of a stationary part and a removable part which bear complementary parts of a license notice, and a conspicuously colored back-plate which is fixed with relation to the stationary part of the tag and is normally covered by the removable part of the same.

1,408,060. AUTOMOBILE RADIATOR. ANDERS P. ANDERSEN, Providence, R. I. Filed Oct. 27, 1919. Serial No. 333,537. 2 Claims. (Cl. 257—130.)

1. A radiator comprising core sections each formed from a sheet metal blank having ovaloid raised contact spots along its opposite edges, said blank being folded transversely to bring the contact spots together and thereby

form closed seams and superposed horizontal air passages having communication with each other by means of



a vertical air passage between the front and back closed seams said sections providing water passages therebetween.

1,408,061. PROCESS OF MAKING ARTIFICIAL LEATHER AND PRODUCT THEREOF. CHARLES ELWOOD ARNOLD. Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Sept. 5, 1918. Serial No. 252,685. 9 Claims. (Cl. 91—68.)

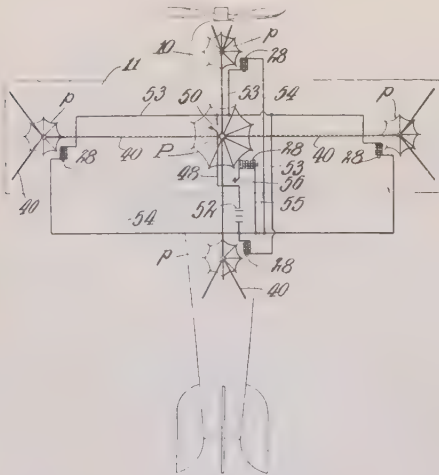


a—Separate superimposed layer
b—Mixture of matted fibres and cementing binder.
c—Woven fabric

2. The process which comprises providing upon the surface of a woven fabric a protective layer of solid materials comprising an end-attached fibrous constituent matted with a nitrocellulose coating composition, and then applying a nitrocellulose coating to the upper surface thereof.

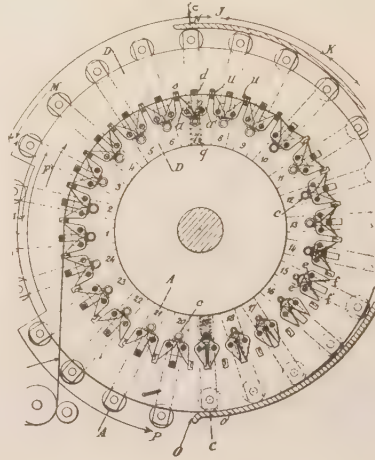
8. An artificial leather comprising a woven moleskin having thereon a protective layer of a nap matted by a coating composition, and a separate coating composition layer superimposed thereon.

1,408,062. AEROPLANE SAFETY DEVICE. SAMUEL ARINGTON, New York, N. Y. Filed Aug. 1, 1921. Serial No. 488,780. 6 Claims. (Cl. 244—21.)



1. In an aeroplane, a parachute located above the centre of gravity of the aeroplane, and a series of parachutes grouped around said parachute, and means for first opening all of said parachutes, the means for opening the last named series of parachutes being controlled by the opening of the first parachute.

1,408,063. MACHINE FOR MAKING SPLIT COTTER PINS, SPRING WASHERS, THIMBLES, AND LIKE ANNULAR MEMBERS. FRANCIS ATHIMON, Paris, France. Filed June 22, 1920. Serial No. 390,960. 9 Claims. (Cl. 29—5.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

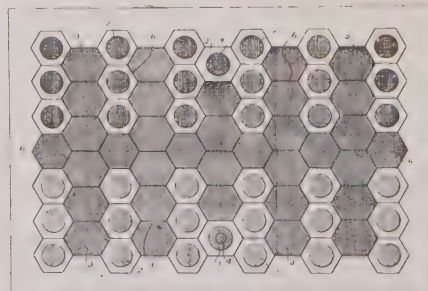


1. A machine for making articles the form of which corresponds to an open ring comprising a frame, a rotating plate, a series of identical devices on said rotating plate, said devices being constituted by several operative members, some of them acting parallelly and the other perpendicularly to the plane of rotation, gradients on the frame, rollers guided by said fixed gradients and adapted to actuate the said operating members, and a material carrying reel on the frame, substantially as described and for the purpose set forth.

1,408,064. PROCESS FOR THE PRODUCTION OF FERTILIZERS. ROBERT BALMER, Toronto, Ontario, Canada. Filed Sept. 24, 1919, Serial No. 325,960. Renewed Dec. 24, 1921. Serial No. 524,741. 5 Claims. (Cl. 71—9.)

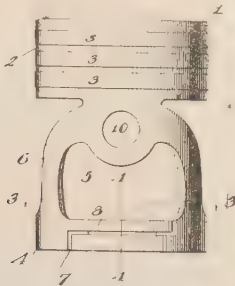
1. The process of producing an agricultural fertilizer consisting in building up a bed composed of alternate layers of ash resulting from the incineration of refuse and of nitrogenous wastes and steaming same.

1,408,065. GAME. THOMAS P. BARRETT, St. Louis, Mo. Filed Nov. 6, 1920. Serial No. 422,177. 5 Claims. (Cl. 46—64.)



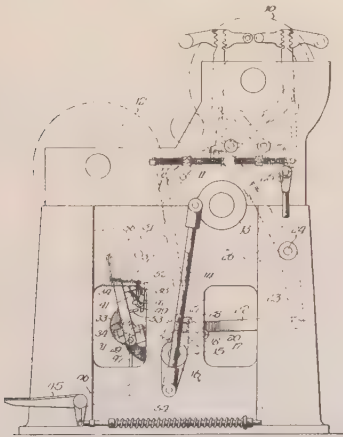
1. A game-apparatus comprising a board divided into a plurality of spaces and playing counters divided by insignia into two opposing forces, having in each such force an especially designated leader, the spaces on which the said counters are originally set up being of a different characterization from those left vacant in such original set-up and being arranged in spaced groups.

- 1,408,066. INTERNAL-COMBUSTION-ENGINE PISTON. WILLIAM GUY BERRY and MAE BERRY, Cleveland, Ohio. Filed June 16, 1921. Serial No. 478,195. 3 Claims. (Cl. 74—108.)



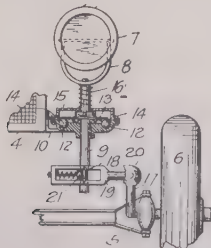
1. An internal combustion motor piston comprising a body portion and a skirt, said skirt having openings extending through its wall and also having step joints in its outer end.

- 1,408,067. CYLINDER-TRIP MECHANISM. JOSEPH R. BLAINE, Chicago, Ill., assignor to Miehle Printing Press & Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 28, 1921. Serial No. 456,259. 4 Claims. (Cl. 101—218.)



1. The combination with the plate, blanket and impression cylinders of a printing press, of control means for tripping the blanket cylinder, including a latch for optionally tripping or not disturbing the position of the blanket cylinder, an arm normally holding said latch in inoperative position, and a lever carried by said arm for moving the latter whereby said latch moves into operative position to trip said blanket cylinder.

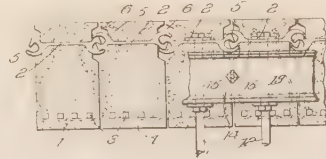
- 1,408,068. DIRIGIBLE HEADLIGHT FOR AUTOMOBILES. CHESTER A. BLIVEN and CLARENCE F. MOYER, Pueblo, Colo. Filed Apr. 26, 1920. Serial No. 376,602. 3 Claims. (Cl. 240—62.)



1. The combination with a motor-vehicle and a steering knuckle thereof, of a head light, a rotatably supported

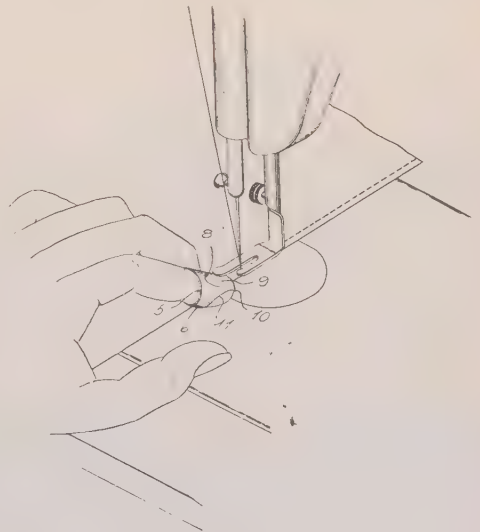
standard therefor, an arm projecting from the knuckle, a slotted link pivotally connected with said arm, a crank-arm on the standard having a sliding connection in the slot of the link, and a spring in said slot cushioning the movement of the crank-arm in one direction.

- 1,408,069. COMPOSITE SHEET PILING. CHARLES S. BOARDMAN, Buffalo, N. Y., assignor to Lackawanna Steel Company, Lackawanna, N. Y., a Corporation of New York. Filed Feb. 9, 1918. Serial No. 216,331. 5 Claims. (Cl. 61—59.)



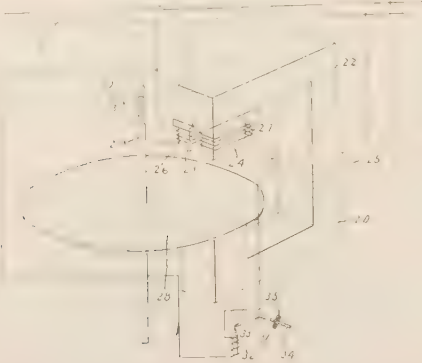
1. A separable interlocking composite sheet piling section composed of longitudinally reinforced concrete of substantial beam depth and of a steel sheet piling element having interlocking edges arranged entirely on one side of the neutral axis thereof with the said interlocking edges exposed at the marginal sides of the said composite pile to provide the interlocking means therefor, substantially as described.

- 1,408,070. FINGER-TIP PROTECTOR. JOHN A. BOEHRINGER, New York, N. Y. Filed Mar. 18, 1921. Serial No. 453,441. 1 Claim. (Cl. 2—104.)



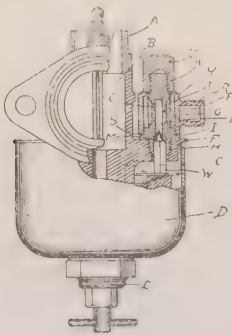
As a new article of manufacture, a finger guard for sewing machine operators comprising a unitary metallic body adapted to be engaged upon the first phalange of a finger, the upper rear portion of said body being cut transversely to present an arcuate edge of relatively large radius and the lower rear portion of said body being similarly formed to a lesser radius presenting a relatively narrow band to engage the inner side of the operator's finger, a down turned portion at the outer end of said body adapted to contact with the edge of the finger nail, and a depressed portion formed in said body adapted to overlie the main portions of the nail, said depressed portion blending into the body at a point substantially over the center of said band portion.

- 1,408,071. ELECTRICAL MEASURING INSTRUMENT. WILLIAM M. BRADSHAW, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 7, 1917. Serial No. 184,805. 5 Claims. (Cl. 171—34.)



1. An electrical measuring instrument comprising a magnetizable core having a central upwardly projecting member, side members separated from the central member by air gaps and two pairs of downwardly projecting members separated from each other and from the central and side members by air gaps, an armature and means for so energizing the central member and the respective pairs of downwardly projecting members that opposing forces are developed in the armature.

- 1,408,072. CARBURETOR. FRANK BRISCOE, Pontiac, Mich., assignor to Briscoe Devices Corporation, Pontiac, Mich., a Corporation of Michigan. Filed Nov. 12, 1920. Serial No. 423,591. 6 Claims. (Cl. 137—104.)



3. In a carburetor, the combination with a die cast part including a cover for the float chamber, of a fitting comprising a post member having an engagement with said cover and extending upward therefrom, said post being hollow and having a seat formed therein for the float valve and ports opening outward from the portion above said seat, a screen surrounding said post, a hollow casing surrounding said screen and forming a sealing joint with said post, and a connection between said hollow casing and the supply line.

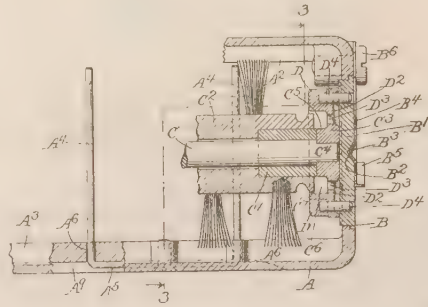
- 1,408,073. SNAP FASTENER. AUSTIN ROY BURRELL, Brooklyn, N. Y. Filed Oct. 30, 1920. Serial No. 420,620. 7 Claims. (Cl. 24—218.)



1. A snap fastener comprising two members, one of said members comprising a socket and single cooperating

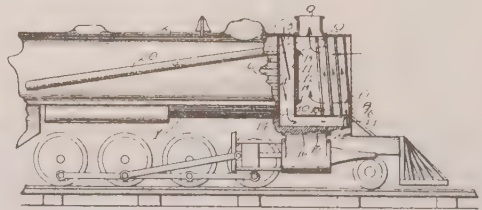
stud of small cross sectional dimension, whereby said stud may be passed through a fabric without injury to the material, and an annular convex marginal portion surrounding and protecting the interengaging parts of the fastener.

- 1,408,074. SUCTION SWEEPER. FRANCIS M. CASE, Cleveland, Ohio, assignor to The Hoover Suction Sweeper Company, New Berlin, Ohio, a Corporation of Ohio. Filed Mar. 8, 1917, Serial No. 153,437. Renewed Mar. 20, 1918. Serial No. 223,674. 12 Claims. (Cl. 15—60.)



1. In a suction cleaner the combination of a casing provided with a dust inlet with a brush mounted near such inlet and brush mounting means between the casing and the brush, said casing and brush mounting means being provided one of them with pins and the other with holes, said holes arranged in two groups on opposite sides of the brush axis.

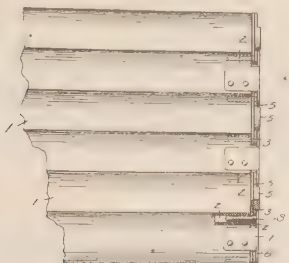
- 1,408,075. SPARK ARRESTER FOR LOCOMOTIVES. COTTER STRAWN CHALFANT, Chicago, Ill. Filed Nov. 26, 1920. Serial No. 426,643. 1 Claim. (Cl. 110—50.)



The combination with an outlet chamber at the front end of a locomotive engine, said outlet chamber being provided with a stack and an inlet for a pressure fluid, of a spiral conduit arranged in the outlet chamber with one open end thereof positioned directly above the inlet for the pressure fluid and with the other open end thereof positioned directly beneath and adjacent to the stack orifice, means for conducting the gases of combustion from the fire tubes with the entrained unconsumed solid substances into position to enter the conduit at its first named end, and a declined conduit communicating with the spiral conduit at its last named end and leading to the fire box of the engine for conducting the unconsumed solid substances to the latter.

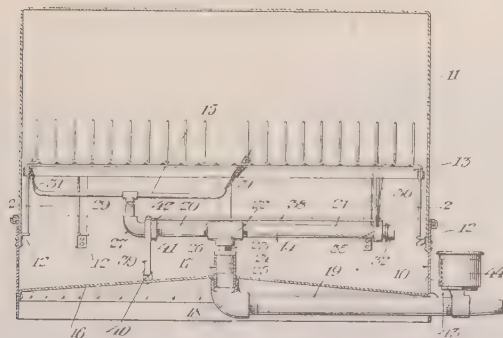
- 1,408,076. FOLDING DOOR AND SHUTTER. MANUEL RETOS Y CLAVERIA, Santiago de Cuba, Cuba. Filed July 2, 1920. Serial No. 399,157. 1 Claim. (Cl. 189—56.)
1. In a folding door, the combination of a plurality of slats transversely articulated at their coinciding upper and

lower edges so as to interhinge one within another, inner and outer links connected to the ends of said slats,



buffer links connected to the inner links and having certain portions projecting outwardly slightly beyond the outer links.

1,408,077. REACTION SPRAYING MECHANISM FOR DISHWASHING MACHINES. FREDERICK D. CLINTON, Milwaukee, Wis. Filed Jan. 17, 1921. Serial No. 437,665. 6 Claims. (Cl. 299—71.)

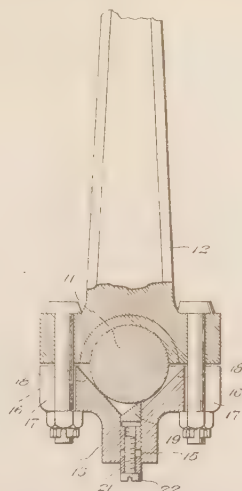


1. In multiple reaction spraying mechanism for dishwashing machines, a horizontally-disposed tubular member having a vertical axis of oscillation between its ends, one of the limbs of said member having two reaction ports opening upwardly in diverging planes, a spraying member in communication with and mounted for rotation on a vertical axis on the other limb of said member, means whereby liquid, under pressure, is supplied to said tubular member through its axis of oscillation, and means, including a valve, whereby the said ports are closed and opened in alternate succession to effect the bodily oscillation of the said tubular member and also to direct in upwardly diverging paths the liquid discharge from the respective ports.

1,408,078. CRANK-SHAFT-TRUING DEVICE. ARCH M. COOK and SAMUEL MOWER, Spring Hill, Kans. Filed May 25, 1920. Serial No. 384,110. 2 Claims. (Cl. 82—4.)

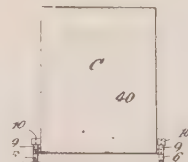
1. A device for truing engine crank shafts comprising a holder having a transverse groove therein, a blade positioned within the groove and capable of sliding movement therein, means for securing the holder to the con-

necting rod of an engine, a U shaped member positioned within the groove for contact with the blade and means for



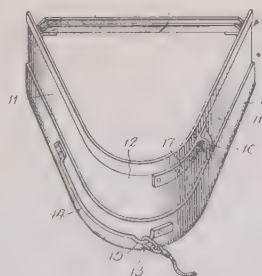
adjustably securing the U shaped member in position to regulate the position of the blade.

1,408,079. DISPLAY STAND. ALBERT E. DAVIS and SIMON DAVIS, Kew Gardens, N. Y. Filed May 16, 1921. Serial No. 469,878. 4 Claims. (Cl. 40—125.)



3. A display stand for window advertising comprising a collapsible skeleton frame providing, when extended, a pair of parallel string pieces; struts for maintaining the separation and parallel relation of said string pieces; means for supporting said skeleton frame from the door; means secured to said frame for exerting an active spreading tension upon the terminal flap of a sheet of flimsy sign-displaying material which has been freely passed about one of said string pieces; and means for detachably securing the opposite terminal flap of said sheet about the opposite said string pieces.

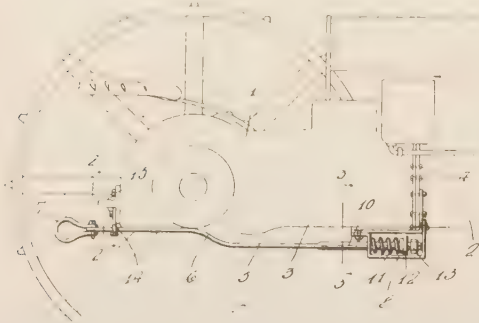
1,408,080. SCRAPER LOADER SYSTEM. CHARLES E. DAVIS, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 20, 1920. Serial No. 411,554. 4 Claims. (Cl. 37—19.)



1. In a scraping apparatus, a scraper provided with a rope having a movable connection with said scraper, and

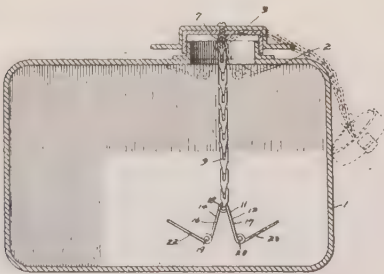
means for retarding the movement of said scraper at a point on one side thereof during its normal movement in one direction.

1,408,081. DRAFT CONNECTION. CLARENCE O. DEEMS, Mission, Tex. Filed Oct. 24, 1921. Serial No. 510,034. 2 Claims. (Cl. 213—67.)



1. In combination with a tractor and the transmission casing thereof, a draw bar disposed longitudinally of the under side thereof having its forward portion formed cylindrically, a bracket arranged adjacent the under side of the power transmission case and connected to the crank case adjacent its point of juncture with the power transmission case, said cylindrical portion being slidably received by the bracket, resilient means for effecting connection between the cylindrical portion and the bracket, and means for slidably supporting the rear portion of said draw bar with relation to the corresponding part of the power transmission case.

1,408,082. SAFETY ANCHOR. CHARLES R. DOWLER, Fellows, Calif. Filed Mar. 16, 1921. Serial No. 452,740. 1 Claim. (Cl. 220—55.)

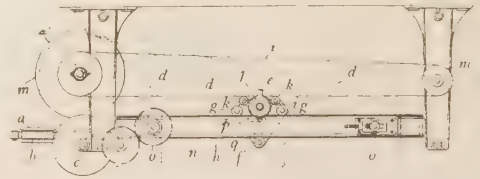


In combination with a tank having a hole therein and a cap for closing the same, an anchor for the cap adapted to offer greater resistance to its removal than to its insertion through the hole, said anchor comprising a wire having a central loop and two arms extending downwardly from the same in angular relation to each other, each arm being bent into a loop from which a wing emerges in the plane of the arms and extending upwardly, the spread of the wings being wider than the size of the hole so that its points firmly grip the portion of the tank adjacent to the hole, and a flexible connection between the central loop and the cap.

1,408,083. CLOTH PLAITING OR PILING MACHINE. ALBERT DUROT, Manchester, England, assignor to Sir James Farmer & Sons Limited, Salford, Manchester, England. Filed Dec. 7, 1920. Serial No. 428,988. 1 Claim. (Cl. 8—19.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

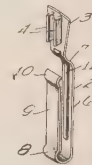
In cloth plaiting or piling machines, having a guide eye traversable back and forth across the machine, in combi-

nation with a winch frame, a winch extending the full width of the machine, means for rotating said winch, vertical slots in the winch frame, chains with projections



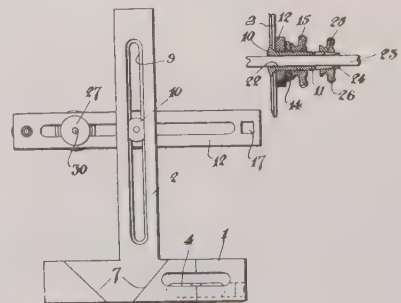
entering said slots for traversing the winch frame back and forth in the machine, and a drawing roller or drum feeding the cloth to said winch, as set forth.

1,408,084. PENCIL CLIP. JOHN ROBERT FITTON, Woonsocket, R. I. Filed Apr. 4, 1921. Serial No. 458,424. 3 Claims. (Cl. 24—11.)



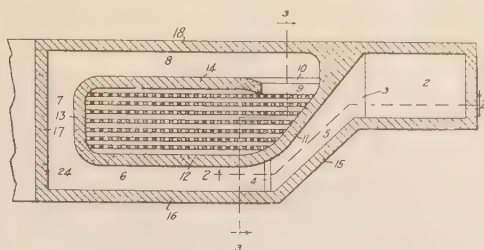
1. A device of the character described comprising a resilient metal strip having an end portion adapted to be secured to a pencil casing, a relatively stiff body portion offset with respect to the end portion, and an extension to the body portion bent in a half loop toward the pencil casing, then parallel with the body portion, and then in a half loop toward the pencil casing at the end of the extension, whereby the extension is yieldingly maintained at its ends in contact with the pencil casing.

1,408,085. COMBINATION GAUGING TOOL. SKERRETT GARRATT, GARRATT BARRON, and ABRAHAM GARRATT, Peterborough, England. Filed Apr. 13, 1920. Serial No. 373,579. 11 Claims. (Cl. 33—94.)



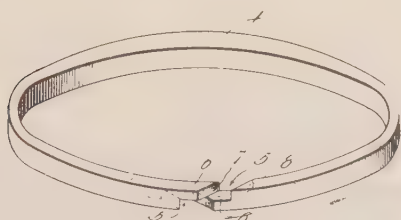
1. In a gauging tool, the combination of a T square having a base and a blade at right angles thereto, said blade having a longitudinal slot, a slotted cross blade mounted on the T square blade and means for adjustably clamping it thereon and a scriber held in said means, and disposed perpendicularly to the plane of the tool and passing through the slots in the T square blade and cross blade.

1,408,086. REGENERATOR CHAMBER. JAMES H. GRAY, New York, N. Y. Filed June 15, 1921. Serial No. 477,766. 6 Claims. (Cl. 263-19.)



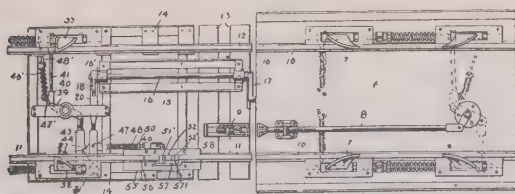
1. A regenerator for metallurgical furnaces having a surrounding passage for the gas coming from the furnace to the regenerator in which dust is separated by centrifugal action.

1,408,087. PISTON RING. DARREL A. HAWLEY, Toledo, Ohio. Filed June 1, 1920. Serial No. 385,808. 1 Claim. (Cl. 74-109.)



A one piece piston ring having parallel sides at right angles to its axis, said ring being centrally split throughout a short portion of its circumference in a plane parallel to said parallel sides, being transversely split in a single plane from one end of said short circumferential split to one of said parallel sides, and being transversely split in a single plane from the other end of said circumferential split to the other of said parallel sides, said transverse splits being disposed at right angles to said circumferential split and at substantially right angles to each other and diverging throughout their lengths from the outer to the inner periphery of the ring, whereby to form obtuse angular outer corners on the ends of the ring having no tendency to snap off or to score the cylinder wall.

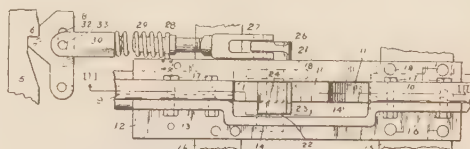
1,408,088. FEEDING MECHANISM FOR MINE CARS. GEORGE M. JOHNSON, Jeannette, Pa. Filed Jan. 28, 1921. Serial No. 440,686. 12 Claims. (Cl. 104-252.)



1. A feeding mechanism for mine cars comprising a pair of car stop-blocks, means connected with said blocks for normally retaining them in operative position to arrest movement of a mine car towards a cage, a shifting mechanism adapted to be operated by the cage as it approaches a shaft landing and detachably engaging with said means to shift it whereby the blocks are moved to and retained in inoperative position to permit of the

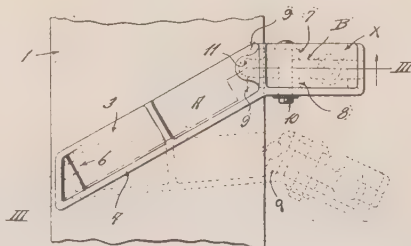
travel of the car towards the cage, and a releasing device operated by the car as it travels towards the cage to release said means to permit the blocks being shifted to operative position.

1,408,089. TRIPPING MECHANISM. GEORGE M. JOHNSON, Jeannette, Pa. Filed Jan. 28, 1921. Serial No. 440,687. 3 Claims. (Cl. 104-252.)



1. A tripping mechanism comprising a trip lever having its upper end enlarged to provide a portion of a rail tread, a shaft having the lower end of the lever fixed thereto, a spring controlled pull bar connected to the shaft, a pivoted retaining plate, and a pin and slot connection between the bar and plate.

1,408,090. TRACTION WHEEL. HENRY W. KARDELL, University City, Mo., assignor to Kardell Tractor and Truck Company, St. Louis, Mo., a Corporation of Delaware. Filed Apr. 30, 1920. Serial No. 377,962. 4 Claims. (Cl. 301-44.)



3. A traction wheel having a rim comprising a tread web, traction spurs in the form of cleats arranged diagonally of the rim, one end of each traction spur being provided with a pivotal extension projecting through and interlocked with said tread web and the opposite end portion being provided with a hook adapted to interlock with one side of said tread web, each traction spur being movable about the axis of its pivotal projection so as to permit its hook to be interlocked with and removed from the tread web, and detachable fastening devices each located adjacent to one of the hooks so as to detachably secure one of said spurs in interlocking engagement with said rim, each of said fastening devices comprising a spring actuated lever arranged transversely of the rim and having a locking finger extending into said tread web.

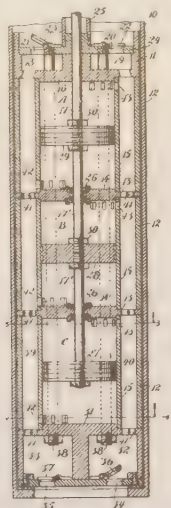
1,408,091. MANUFACTURE OF PAINTS. ALBERT EDWARD KELLAM, Leichhardt, near Sydney, New South Wales, Australia. Filed July 3, 1919. Serial No. 308,372. 6 Claims. (Cl. 134-39.)

6. A paint constituted of the herein named substances, milled and mixed substantially in the manner herein described, viz.: 20 gallons boiled linseed oil; 2 cwt. of zinc oxide; 8 cwt. of resin; 160 gallons creosote oil; and a medium tint body pigment.

1,408,092. RECIPROCATING PUMP. JOHN D. KELLER, Sacramento, Calif. Filed May 11, 1921. Serial No. 468,600. 2 Claims. (Cl. 103-78.)

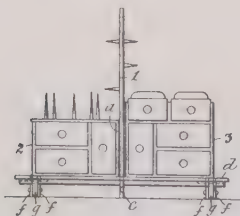
1. In combination with a well casing, a pump adapted to be disposed in an operative position therein, said

pump comprising a plurality of cylindrical casing sections substantially fitting within the well casing and disposed in longitudinal alignment; intermediate spiders between the various sections; cylinder heads formed by the center of said spiders; pump cylinders mounted upon the opposite sides of the spiders and in longitudinal alignment; packing glands formed by the center of said pump heads; a piston rod slidable through said glands; a piston within each of said cylinders and secured to the rod; vertical partition walls disposed diametrically opposite each other and dividing the space between the cylinders and the casing into two vertical passage ways; ports at the tops



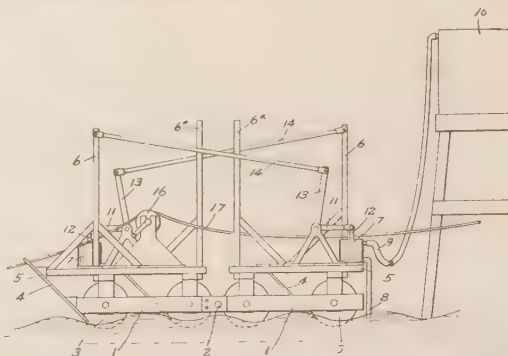
and bottoms of the cylinders and on opposite sides thereof to separately communicate with the passageways; valve casings mounted upon the outer ends of the end cylinders, said casings being formed with two compartments, a compartment of each casing being complementary to the longitudinal passage-ways between the cylinders and their casings; a valve in each of said compartments adapted to alternately open as the pistons are reciprocated; and means for adjustably holding the various cylinders and casings in their assembled positions.

1,408,093. WORKBOX FOR DOMESTIC USE. RACHEL KELSALL, London, England. Filed Dec. 21, 1920. Serial No. 432,293. 2 Claims. (Cl. 223—53.)



1. A work box provided with a chest of drawers and a platform, the platform having a middle slot and end slots; feet on the chest of drawers, said feet passing through the end slots of the platform and being themselves provided with transverse slots below the platform; a board extending vertically through the middle slot of the platform and having transverse slots therethrough below the platform and strips passed through the slots in the feet and the vertical board.

1,408,094. WAVE MOTOR. ENOS C. KERSEY, Newport Beach, Calif. Filed Jan. 26, 1921. Serial No. 440,132. 6 Claims. (Cl. 253—5.)

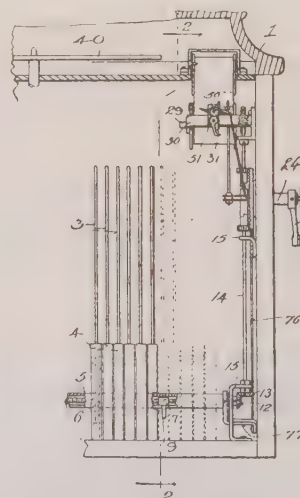


1. A wave motor comprising hinged floats including drums, inclined plates located adjacent to said drums, which plates are adapted to be impinged by waves, a power converting means upon one of said floats, and an operating link connecting said means and the other float.

1,408,095. CELLULOSE-ESTER PLASTIC. JOHANNES M. KESSLER, West Orange, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Nov. 26, 1919. Serial No. 340,929. 13 Claims. (Cl. 106—37.)

1. A composition consisting essentially of a cellulose ester and a softener comprising an alkyl ester of an acyloxy carbocyclic acid.

1,408,096. AUTOMATIC LOCATING AND DISPLACING MECHANISM. BERTELL W. KING, New York, N. Y. Filed Feb. 3, 1916. Serial No. 76,026. 12 Claims. (Cl. 211—16.)

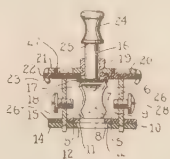


1. In a device of the class described, the combination of an endless belt, a traveler, rotative operating means for coincidently moving said belt and said traveler, and means for automatically reversing the direction of rotation of said belt when said traveler reaches the limit of its travel, and means actuated by a reversal of direction of said rotative source of power for rocking said traveler.

1,408,097. ELECTRIC SWITCH. CHARLES J. KLEIN, deceased, Milwaukee, Wis., by Henry C. Klein, administrator, Yonkers, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 28, 1918. Serial No. 219,587. 14 Claims. (Cl. 200—159.)

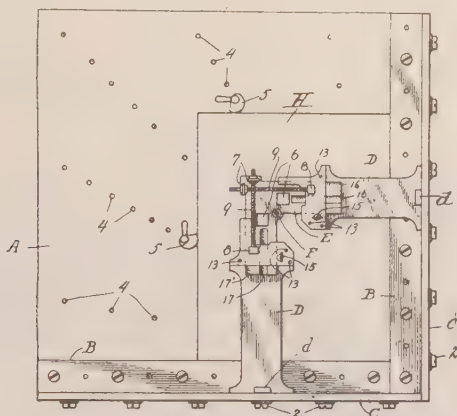
1. In an electric switch, in combination, a base having an opening therein, a contact fixed to said base adjacent

said opening and a contactor having a part adapted to engage said contact, said contactor being movable to force said part within said opening in said base, and said



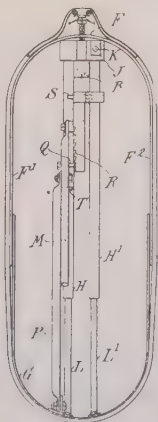
contactor and said base having coacting parts providing for sudden disengagement of said contactor from said contact during such movement of the former.

1,408,098. TOOL FOR LAYING OUT TEMPLATES AND
JIGS. FRANK D. KNAPP, Binghamton, and FLOYD L.
JACKSON, Endicott, N. Y. Filed Jan. 29, 1918. Serial
No. 214,331. 9 Claims. (Cl. 33-189.)



1. In a device of the character described, a support adapted to receive a pair of work spacers associated with the work and support, a measuring and marking element disposed on the work and coacting with the spacers and means for adjusting the element with respect to the spacers.

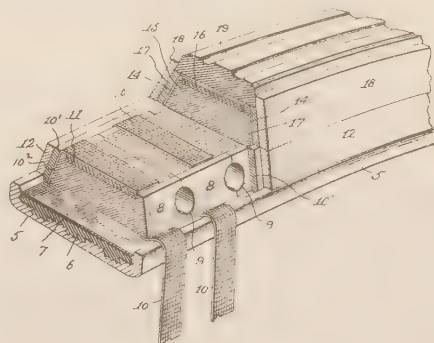
1,408,099. TIRE-DEFLATING MACHINE. HENRY P. KRAFT, Ridgewood, N. J. Filed Aug. 23, 1920. Serial No. 405,413. 13 Claims. (Cl. 154—9.)



1. In a deflating machine for tire tubes or the like, a support for the tire tube, a member arranged within the

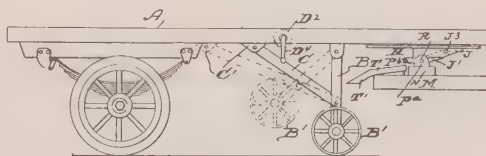
tire tube, and means for mounting said member so that it may drop bodily by gravity against the inner periphery of the tube.

1,408,100. MOLD FOR MAKING CUSHION TIRES. FREDERICK A. KRUSEMARK, Roanoke, Va., assignor to K. F. & C. Tire & Rubber Corporation, Roanoke, Va., a Corporation of Virginia. Filed Dec. 13, 1920. Serial No. 430,437. 5 Claims. (Cl. 18—42.)



1. A mold for cushion tires consisting of two sections, each section having its mold-cavity annularly grooved along the side wall, a pair of rings superposed upon each other and fitted in each of said grooves, each ring carrying a series of inwardly-extending half-length core-pins, for the purpose set forth.

1,408,101. TRACTOR AND TRAILER COUPLING MECHANISM. CHARLES H. LAND, Jr., Detroit, Mich., assignor of one-half to William H. Wilson, Detroit, Mich. Filed May 14, 1921. Serial No. 469,700. 8 Claims. (Cl. 280—33.1.)

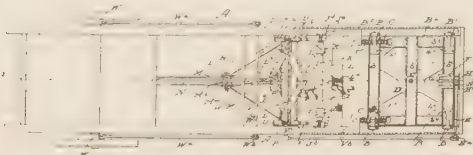


1. In a device of the character described, the combination with a tractor and a trailer, of a rectangular member bolted to the tractor frame having upstanding walls forming a pocket, a casting housed in said pocket adapted to rock therein, a coupling bar supported by brackets extending upwardly from the ends of the casting, an inverted channel like bridge member bolted centrally to the walls of the rectangular member, a spring located between the bridge member and casting, a fifth wheel carried by the trailer, a transverse slide bar carried by the lower member of the fifth wheel, means carried by the fifth wheel adapted to automatically engage the transverse coupling bar, and guide members carried by the tractor adapted to receive the slide bar, whereby said means carried by the fifth wheel may be guided into engagement with the transverse coupling bar.

1,408,102. TRAILER. CHARLES H. LAND, Jr., Detroit, Mich., assignor of one-half to William H. Wilson, Detroit, Mich. Filed June 13, 1921. Serial No. 477,030. 11 Claims. (Cl. 280—33.1.)

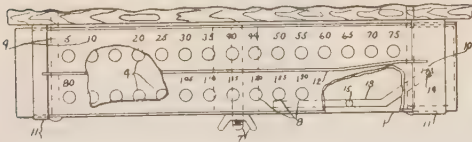
1. In a trailer; a movable frame supported by the frame of the trailer; a rotatable fifth wheel mechanism carried by the movable frame; a supporting leg pivoted

to the trailer frame; means connected with said movable frame adapted to raise and lower the supporting leg;



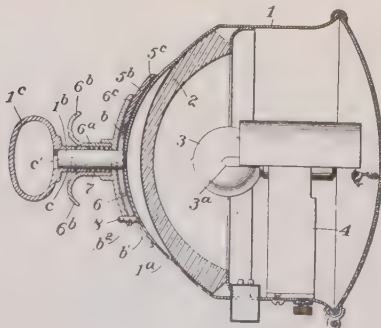
means for locking the frame at the limit of its movement in either direction and means for releasing said locking means.

1,408,103. LUNCH-COUNTER TICKET. JOSEPH B. LARKIN, Palo Alto, Calif. Filed Oct. 29, 1921. Serial No. 511,428. 1 Claim. (Cl. 283—60.)



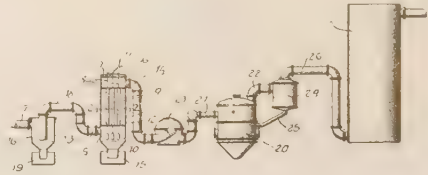
A device of the character indicated comprising a long strip of paper divided by equidistant transverse lines of perforations into successive uniform sections, each section carrying two rows of parallel spaced and consecutively arranged members beginning with the numeral five and proceeding in multiples thereof, and two rows of correspondingly spaced and parallel circles indicating portions of the paper to be punched out, a circle being arranged adjacent to each number, and said strip having an orifice formed therein in each line of perforations.

1,408,104. SPOTLIGHT. STATES LEE LEBBY, Savannah, Ga. Filed Feb. 7, 1921. Serial No. 443,196. 4 Claims. (Cl. 240—7.)



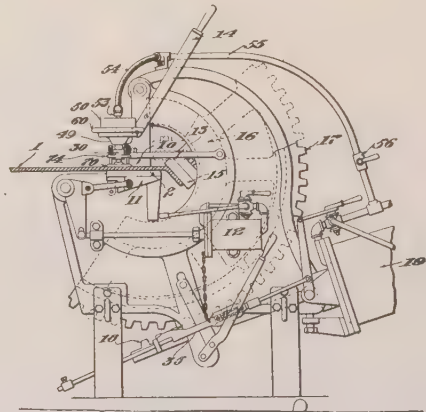
1. A lamp or projector having a back wall of spherical curvature and a projecting stud, a supporting bracket having a concavo-convex portion with the concavity thereof fitting said spherical back wall, said concavo-convex portion having an opening of larger diameter than the stud through which said stud projects, a handle on said stud, spring means for holding the coating surfaces of the lamp casing and bracket in frictional engagement, and means positioned adjacent said handle for relieving the action of the spring.

1,408,105. PROCESS AND APPARATUS FOR RECOVERY OF BY-PRODUCTS FROM DISTILLATE GASES. CLARENCE S. LOMAX, Chicago, Ill., assignor to American Coke & Chemical Company, Chicago, Ill., a Corporation of Maine. Filed Dec. 22, 1919. Serial No. 346,622. 3 Claims. (Cl. 23—21.)



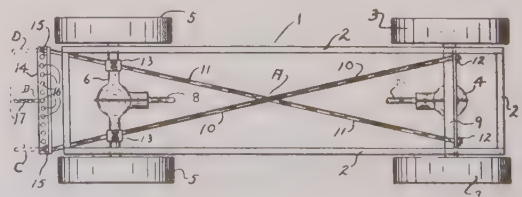
1. In a by-product recovery apparatus, the combination of means for removing tarry materials and the like from gases of carbonization delivered by a collecting main without reduction of temperature after leaving the said main, an ammonia saturator, and electrical precipitation means interposed between said tar removing means and the ammonia saturator, and comprising a flue or passage for the transfer of the gas without temperature reduction in its travel between the tar removing means and the ammonia saturator, and means for subjecting the gas during such transfer in such passage to the influence of a high potential electrical current, substantially as described.

1,408,106. FLANGING MACHINE. HUGH McCABE, Lawrence, Mass. Filed July 3, 1919. Serial No. 308,512. 18 Claims. (Cl. 153—16.)



1. A flanging machine having, in combination, means for flanging the work, a straining device capable of adjustment toward and from the work, means for adjusting the straining device, and means for operating the straining device without affecting the adjustment thereof.

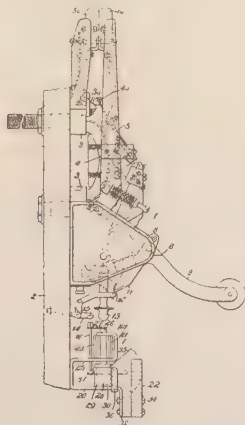
1,408,107. DRAFT DEVICE FOR TRACTORS AND THE LIKE. THOMAS EDWARD MCCOLLUM, Winona, Ontario, Canada. Filed July 18, 1921. Serial No. 485,665. 6 Claims. (Cl. 213—67.)



1. In a tractor the combination with the front and rear axles thereof, of a pair of draft rods secured above the

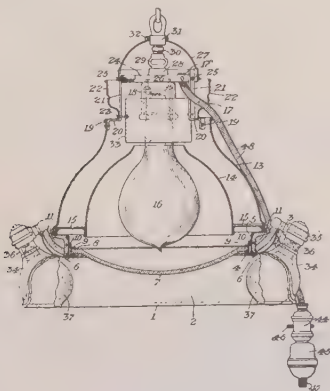
front axle and at each side of the tractor, said rods extending obliquely rearwardly and passing below the rear axle and crossing each other intermediately of the length of the tractor, hangers carried by the rear axle and engaging the draft rods, and a draft connecting member carried by the rear ends of the draft rods.

1,408,108. TRIPPING DEVICE. BENJAMIN MCINERNEY, Council Bluffs, Iowa. Filed Jan. 16, 1919. Serial No. 271,483. 3 Claims. (Cl. 200—106.)



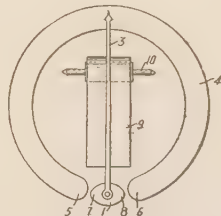
1. A tripping device for a circuit interrupter comprising a magnetizable member of substantially S-shape, a coil disposed between two arms of the magnetizable member that constitute a magnetic circuit therefor, a movable core member for the coil, a reciprocable rod actuated by the movable core member, and a reverse-phase relay mounted on the other arm of the magnetizable member and having means for actuating the reciprocable rod.

1,408,109. COLOR-IDENTIFYING APPARATUS. NORMAN MACBETH, New York, N. Y. Filed Dec. 24, 1919. Serial No. 347,171. 6 Claims. (Cl. 240—1.)



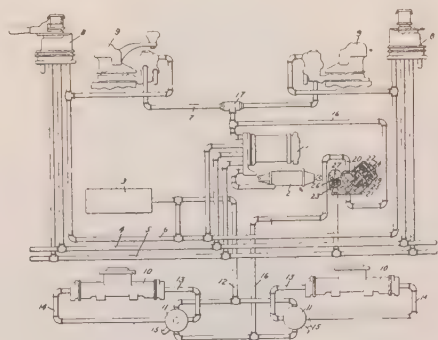
1. An apparatus of the character described comprising a light source giving light equivalent to daylight and a light source giving ordinary artificial light, switching means adapted to connect the said light sources with an electric circuit and to rapidly alternate the same and a casing enclosing the said light sources consisting of a plurality of superimposed sections, the said sections being spaced apart from each other and adapted to permit the access into and escape from the interior of said casing of a large quantity of air for ventilation purposes, but to prevent the escape of light from the same, the said casing being provided with means for downwardly reflecting the light from the said two light sources.

1,408,110. MEASURING INSTRUMENT. PAUL MACGAHAN, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 9, 1916. Serial No. 113,959. 10 Claims. (Cl. 33—220.)



1. A measuring instrument comprising a stationary permanent magnet, a movable magnetizable member adapted to be normally held in a predetermined position by the stationary permanent magnet and a pivotally-mounted permanent magnet adapted to attract the movable magnetizable member in accordance with predetermined conditions.

1,408,111. COMBINED AIR-BRAKE AND CAR-DOOR-OPERATING EQUIPMENT. GEORGE MACLOSKIE, Erie, Pa., assignor to General Electric Company, a Corporation of New York. Filed Apr. 14, 1921. Serial No. 461,293. 6 Claims. (Cl. 303—6.)



1. In combination with an air brake system comprising an emergency valve adapted to be operated to effect an emergency application of the brakes, and a brake valve arranged to control the operation of said emergency valve, of a door engine, and a door valve adapted in one position to effect the operation of said door engine to open the car doors controlled thereby and to effect the operation of said emergency valve to produce an emergency application of the brakes.

1,408,112. COIN-CONTROLLED VENDING MACHINE. JAMES H. MANN, Jr., Pine Bluff, Ark., assignor to Transit Vending Machine Company, Pine Bluff, Ark., a Corporation of Arkansas. Filed Sept. 4, 1919. Serial No. 321,611. 30 Claims. (Cl. 194—85.)

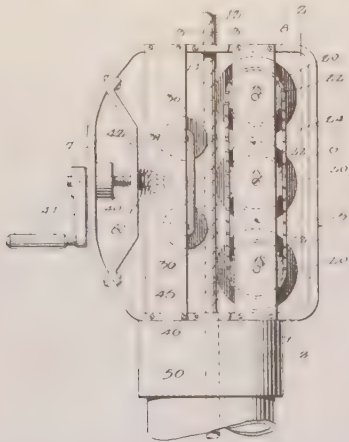
1. In an article vending machine, the combination with a casing having an article holding compartment, of an article supporting and delivering tray mounted in the lower part of said compartment, an actuator, a coin controlled mechanism mounted in the casing and operated by the actuator for tilting said tray, said coin controlled

mechanism comprising a spring tensioned coin actuated lever, a starting device geared to the actuator and be-



tween which and the coin actuated lever, a coin is adapted to engage, and means for limiting the coin actuated lever to a near normal position.

1,408,113. WELL-MEASURING DEVICE. RICHARD COLBERT MASON, Tulsa, Okla. Filed Jan. 28, 1921. Serial No. 440,664. 5 Claims. (Cl. 33—134.)

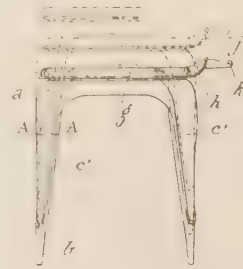


1. A measuring device comprising a frame having bearing plates, pulleys carried by said plates, means connecting the pulleys, a head having a plurality of rollers adapted for urging a cable into driving engagement with said pulleys, a tensioning screw threaded through said frame and connected to said head, and a hand operated crank rigidly connected to said screw and adapted to be rotated for urging said tensioning rollers in the direction of said pulleys.

1,408,114. CHAIR, TABLE, AND THE LIKE. JOSEPH MATHIEU, Lyon, France. Filed July 13, 1920. Serial No. 396,003. 3 Claims. (Cl. 155—191.)

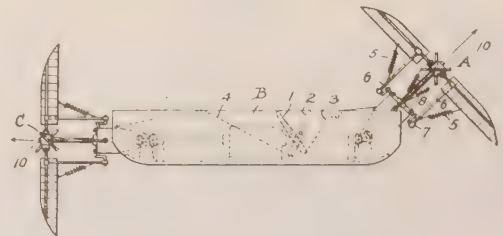
1. A chair, table or the like, wherein each leg is inclined inwards to a vertical line, forming the edge of an imaginary parallelepiped within which is inscribed the whole of the legs when the latter are four in number, the ends of said legs in contact with the ground intersecting the angles of the base of said parallelepiped and the upper parts of said legs forming rounded corners of the top of

the parallelepiped, the cross-section of said legs being inwardly or outwardly curved, the seat or top of the chair or the like coinciding with the said top of the parallel-



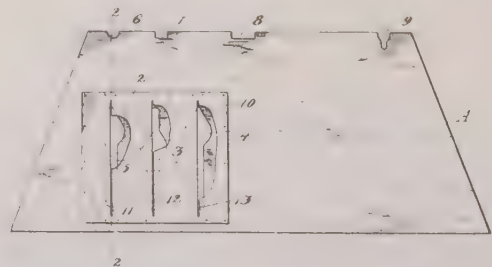
iped and having rounded portions coinciding with the rounded corners of the top of said legs whereby the chairs or the like can be freely stacked in and on one another.

1,408,115. FLYING MACHINE. GEORGE MATTA, Brad-dock, Pa. Filed Mar. 18, 1920. Serial No. 366,902. 3 Claims. (Cl. 244—25.)



1. In a flying machine, a propeller in front adapted to pull the machine forward, a propeller behind adapted to pull the machine backward and upward, the currents of air from the two propellers blowing against each other, and means to direct the forward propeller laterally so as to cause the machine to go round as it goes up.

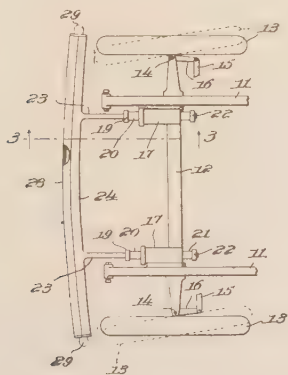
1,408,116. ONE-PIECE FOOTBOARD. CLARON W. MELDRUM, Ocean Park, Calif. Filed Mar. 3, 1920. Serial No. 362,936. 2 Claims. (Cl. 180—89.)



1. A foot board comprising a unitary floor member, said floor member having a plurality of slots formed therein, each slot having an enlarged portion, a flexible plate secured to the board and covering the slots and the enlarged portions therein, and a plurality of slits formed in the plate, each slit aligning with the slots and the enlarged portions of the slots.

1,408,117. FENDER FOR MOTOR-DRIVEN VEHICLES.

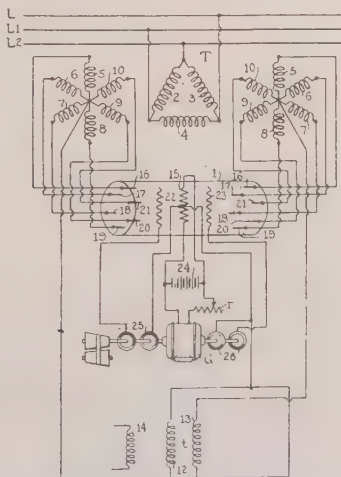
LEMUEL MELLETT and TIMOTHY CURRAN, Watertown, Mass.; said Curran assignor of his entire right to William T. Beattie, Arlington, Mass. Filed Nov. 29, 1920. Serial No. 427,120. 14 Claims. (Cl. 293—55.)



4. In a device of the class described, a fender bar provided with means to absorb shock; a secondary shock absorbing means adapted to act successively to said first shock-absorbing means; a tertiary shock absorbing means adapted to act successively to said secondary shock-absorbing means; and means to normally retain said bar in shock receiving position.

1,408,118. APPARATUS FOR PRODUCING MODIFIED

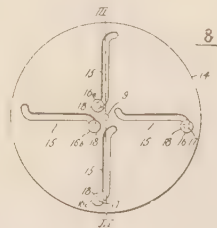
CURRENTS, ETC. FRIEDRICH W. MEYER, Milwaukee, Wis., assignor to The Cutler-Hammer M'fg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 1, 1918. Serial No. 214,908. 8 Claims. (Cl. 172—281.)



1. In apparatus for producing an alternating magnetic flux or alternating current of a given frequency from a source of alternating current of a different frequency, in combination, common means, including electroionic means and electrostatic means to influence the operation thereof to both rectify the supplied current and produce therefrom intermittent pulsatory currents of said given frequency and of a given displacement and means for producing by such intermittent pulsatory currents component magnetomotive forces.

1,408,119. ELECTRICAL MEASURING INSTRUMENT.

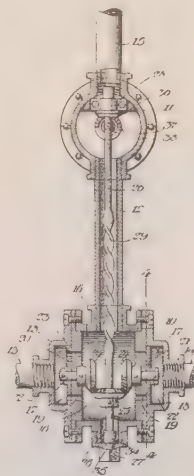
JOHN HAROLD MILLER, Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 11, 1917. Serial No. 185,717. 4 Claims. (Cl. 171—34.)



1. In a measuring instrument, the combination with an actuating member, of a rotatable member operatively connected thereto, the latter being provided with radial guideways having offset portions, and weight elements co-operating with the guideways to exert a predetermined resistance to the movement of the actuating member.

1,408,120. THERMOSTATIC VALVE-CONTROLLING

APPARATUS. PAUL MIRK, New York, N. Y. Filed Nov. 16, 1920. Serial No. 424,437. 6 Claims. (Cl. 236—12.)

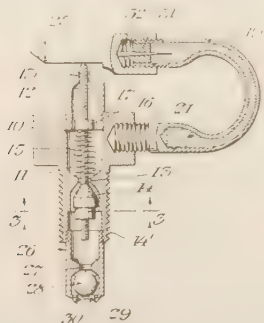


1. In thermostatic valve mechanism, a structure comprising a mixing chamber, cold and hot water supply pipes leading to said chamber, and having an outlet pipe in communication with said chamber, valves for controlling communication between said supply pipes and the mixing chamber, a thermostatic shaft mounted in said structure in the path of the water to the outlet pipe, said shaft having a spirally twisted portion, and operative connections between the thermostatic shaft and the said valves.

1,408,121. THERMOSTATIC AIR VALVE. PAUL MIRK, New York, N. Y. Filed Jan. 19, 1921. Serial No. 438,271. 3 Claims. (Cl. 236—62.)

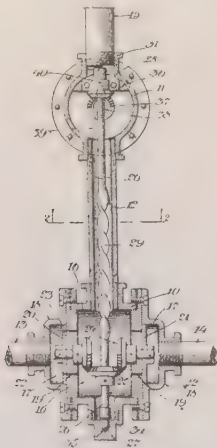
2. In a thermostatic air-valve for radiators, a body having a longitudinal bore, including an axial port, and having also a radiator-engaging portion at one end, a valve-head in operative relation to said port, a valve-stem extending loosely through said port and protruding beyond the opposite end of said body, a U-shaped thermostatic element having one leg secured to the body and the

other leg positioned normally to limit the outward movement of the valve-stem and thus maintain the valve-head in open position, and a nipple detachably secured to the



said radiator-engaging portion, said nipple having a port therein, a ball-valve, and inwardly-turned curved lips which loosely support said valve adjacent the latter port and provide spaced air-vents.

1,408,122. THERMOSTATIC DEVICE. PAUL MIRK, New York, N. Y. Original application filed Nov. 16, 1920, Serial No. 424,437. Divided and this application filed Aug. 18, 1921. Serial No. 493,296. 3 Claims. (Cl. 297-3.)

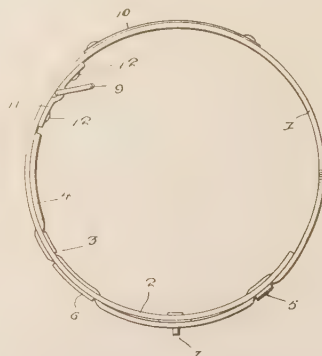


1. A thermostatic device comprising a tubular shaft filled with an expansible liquid and closed at its respective ends, said shaft being flattened and formed with a drill twist, means whereby said shaft is fixedly held at one end, and means connected with the opposite end of the shaft and actuated by the rotary movement of the latter caused by the expansion or contraction of the contained liquid.

1,408,123. DOG COLLAR. DANIEL B. MITCHELL, Carlisle, Ky. Filed June 22, 1921. Serial No. 479,441. 1 Claim. (Cl. 119-106.)

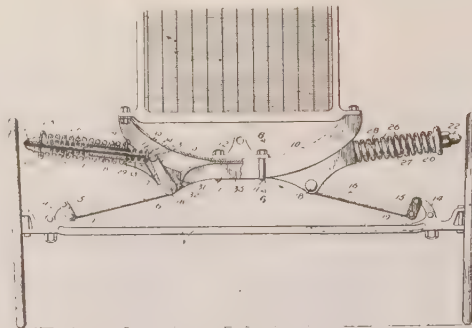
A dog collar comprising a strap having end portions one of which is provided with apertures at intervals for the passage of the other, and one of which is provided on one end portion with a stud to enter an aperture in the other; the apertured end portion being comparatively

wide and adapted to rest at the inner side of the other end portion and being further provided with loops to



straddle such other end portion, in combination with a loop attached to the inner side of the strap and adapted for the connection of a leash.

1,408,124. COMBINED SPRING AND SHOCK ABSORBER. THOMAS MORSKI, Manistee, Mich., assignor to American Motor Patents Company, a Corporation of Delaware. Filed Apr. 2, 1920. Serial No. 370,793. 14 Claims. (Cl. 267-20.)

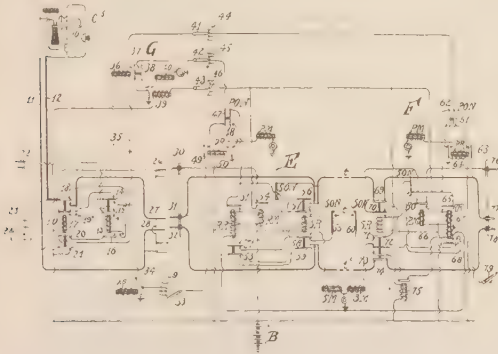


14. In a shock absorber for vehicles, a bell crank lever including a long arm and a short arm, the long arm being connected at its end to the axle near one end of the same and extending above the axle and inwardly toward the central portion thereof, means on the vehicle body for mounting the lever, the short arm being inclined upwardly, and means connected to the end of the short arm and extending wholly outside of said end to restrain resiliently any swinging of the lever in either direction, said latter means also extending beyond the sides of the vehicle and above the axle, the mounting means for the lever serving as an abutment for the resilient restraining means.

1,408,125. TELEPHONE-EXCHANGE SYSTEM. GEORGE E. MUELLER, La Grange, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Original application filed June 20, 1908, Serial No. 439,582. Divided and this application filed Nov. 29, 1920. Serial No. 426,973. 19 Claims. (Cl. 179-27.)

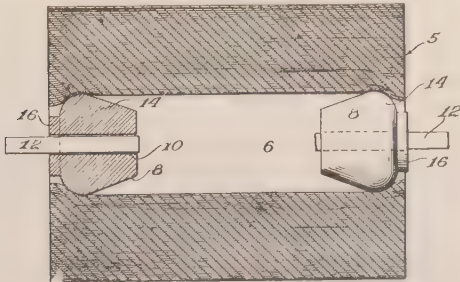
1. A telephone system including selective switches, telephone lines adapted to be inter-connected for conversations by said switches, operators' impulse transmitters for adjusting said switches, trunk lines extending from points adjacent to said switches to said transmitters, a

trunk line being provided individual to each transmitter, and automatic switching means intermediate of said



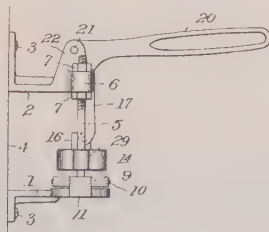
switches and trunk lines for interchangeably connecting said trunk lines and switches, said automatic switching means normally connecting switches and idle trunks.

1,408,126. PAPER-ROLL BUSHING. HUGO L. MUMM, Wausau, Wis. Filed July 28, 1920. Serial No. 399,471. 2 Claims. (Cl. 242—68.)



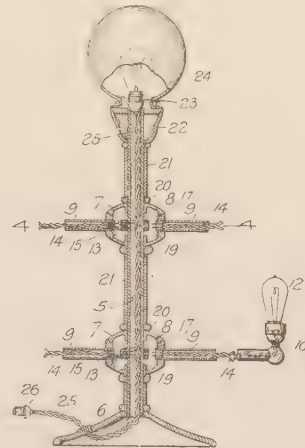
1. A bushing for rolls of paper consisting of a plug to be inserted in the axial opening through the roll with the outer end of the plug substantially flush with the end of the roll, the plug being provided with an external annular shoulder spaced inwardly from its outer end and the diameter of the outer end of the plug being less than the diameter of the plug at the shoulder whereby the edges of the inner plies of the roll may engage around the annular shoulder and retain the plug in place.

1,408,127. BOTTLE CAPPER. GEORGE D. MUNSING, New York, N. Y. Filed Jan. 12, 1921. Serial No. 436,703. 3 Claims. (Cl. 226—84.)



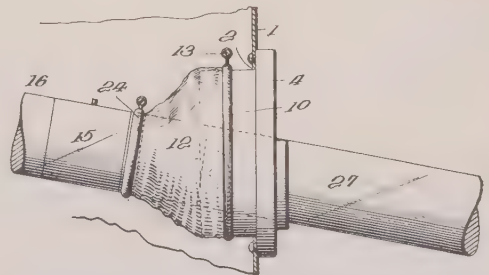
1. In a bottle capper, the combination with a bracket having an opening therethrough, of oppositely extending jaws for gripping a bottle neck to support the same, said jaws being hinged to swing upwardly and away from the bracket to release a bottle neck and to fold down flat upon said bracket to engage a bottle neck, another bracket arranged above the first one, rods extending from one bracket to the other and arranged between the hinges of the bottle gripping jaws, there being notches in said jaws to clear the rods, and a plunger mounted to slide on said rods for capping a bottle when supported by said jaws.

1,408,128. DISPLAY STAND FOR INCANDESCENT ELECTRIC LAMPS. WILL C. NEAHR, Denver, Colo. Filed May 12, 1920. Serial No. 380,904. 2 Claims. (Cl. 211—24.)



1. In a display-stand for incandescent electric lamps, the combination of a base, an upright hollow shaft fixed thereon, conductors of electricity therein adapted for connection in an electric circuit, a carrier mounted for rotation on the shaft, and exposed for the display of incandescent lamps, sockets on the carrier to receive the lamps and a switch having a contact member on the shaft in connection with said conductors, and contact members on the carrier separately connected with the sockets and relatively arranged to consecutively engage the member on the shaft by rotation of the carrier.

1,408,129. OARLOCK FOR BOATS. ALCANZO D. NEWCOMB, Norfolk, Va., assignor, by mesne assignments, of one-half to Richard D. L. Fletcher, Cape Charles, Va., and one-half to Robert T. Marsh, Richmond, Va. Filed Feb. 21, 1917. Serial No. 150,161. 16 Claims. (Cl. 9—26.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. The combination with a boat, of an oar lock carried thereby below the deck, and having an enlarged opening to allow the blade of the oar to pass through the lock.

16. An oar lock, comprising a body portion having an oar receiving opening and an enlarged opening at its upper end communicating with the oar opening to allow the blade of the oar to pass through the lock, and means for forming a water-tight connection between the oar lock and the oar.

1,408,130. LIFEBOAT. ALCANZO D. NEWCOMB, Norfolk, Va., assignor, by mesne assignments, of one-half to Richard D. L. Fletcher, Cape Charles, Va., and one-half to Robert T. Marsh, Richmond, Va. Filed Mar. 10, 1917. Serial No. 153,867. 7 Claims. (Cl. 9—4.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. The combination with a life boat having a deck completely covering the same, hatches on said deck, air intake

valves in the side of the boat and automatically closed by water pressure from the outside, and a lashing releasing mechanism operated from within the boat.

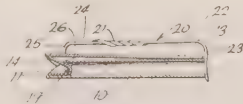


3. The combination with a life boat having a deck completely covering the same, air intake valves in the sides of the boat and automatically closed by water pressure from the outside, a davit releasing mechanism operated from above the deck, and a lashing releasing mechanism operated from within the boat.

5. The combination with a life boat having a deck completely covering the same and having hatch openings, hatches covering the openings, and a lashing releasing mechanism operated from within the boat.

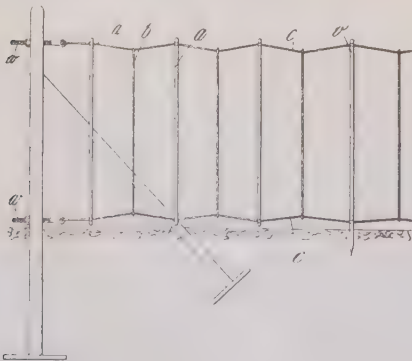
7. The combination with a life boat having a deck completely covering the same and having hatch openings therein, pivoted hatches closing said hatch openings, air intake valves in the sides of the boat and automatically closed by water pressure from the outside, a davit releasing mechanism operated from above the deck, a lashing releasing mechanism operated from within the boat, and oar locks arranged in the sides of the boat below the air intake valves and constructed and arranged to allow the oars to be inserted from within the boat and to form a water tight joint and having means for closing the same when the oars are not in use.

1,408,131. HAIR CURLER. DAISY D. NIELSEN, Los Angeles, Calif. Filed Sept. 15, 1921. Serial No. 500,892. 4 Claims. (Cl. 132—41.)



1. A hair curling appliance comprising a tubular member, a semitubular member, a clamping member and a spring, said semi-tubular member being adapted to fit over the tubular member, said tubular member and semi-tubular member being hinged and held together by said clamping member and held in closed position by the spring.

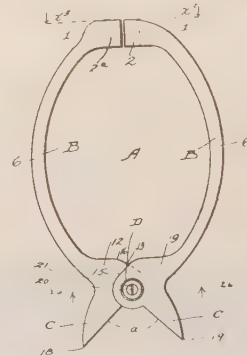
1,408,132. FENCE. TOM NORTON, Llandrindod Wells, Wales. Filed Aug. 9, 1920. Serial No. 402,297. 2 Claims. (Cl. 256—35.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A fence comprising a series of vertically arranged incompressible elements having longitudinal slots at each

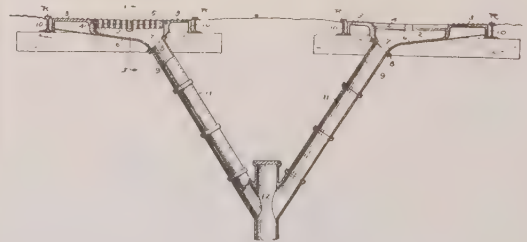
end, a series of vertically arranged flexible and inextensible elements alternating with the incompressible elements said flexible and inextensible elements being shorter than the incompressible elements and having loops at each end, two horizontally arranged straining elements on which the flexible and inextensible elements are threaded and which engage the slots in the ends of the incompressible elements, and means for putting the horizontal elements in a state of tension.

1,408,133. AUTO THEFT SIGNAL. RALPH J. OCHS, San Bernardino, and CARL E. HODES, San Francisco, Calif. Filed Oct. 1, 1920. Serial No. 414,036. 6 Claims. (Cl. 70—90.)



1. A device of the character disclosed, including two outwardly bowed arms pivotally joined together so as to be relatively movable; each of said arms being provided at one end with an outwardly flared projection adjacent the pivotal connection, their opposite ends being angularly directed toward each other, and means for locking said arms in work-engaging relation.

1,408,134. TRACK DRAIN. WALTER T. O'DONNELL, Lakewood, Ohio. Filed Sept. 8, 1921. Serial No. 499,233. 4 Claims. (Cl. 238—2.)

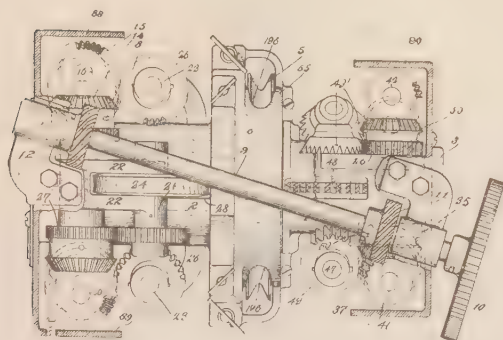


1. A track drain, comprising a relatively long and narrow box having an open top and a sloping bottom with a vertically-inclined outlet extending axially toward the center of the open top at an acute inclination to a perpendicular line to facilitate the making of a sewer pipe connection on a straight line extending toward the center and upper open side of said box, and a removable grid for said box.

1,408,135. CORN-CUTTING MACHINE. EDWARD C. OSGOOD, Aberdeen, Md. Filed Mar. 12, 1918. Serial No. 221,968. 30 Claims. (Cl. 130—9.)

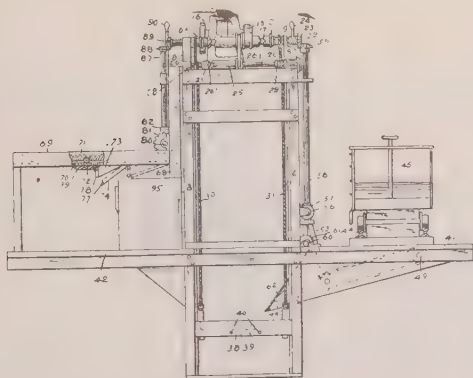
2. In a machine for cutting green corn from the cob, a rapidly rotating cutter, a casing having an opening on

one side to receive the ears and an opening on the other side to discharge the cob, a scraper moving with the cutter and conforming in a general way to the cross-section of the casing taken on a plane of the axis, the path of the scrapers being concentric with said openings,



and a peripheral discharge so that the casing and scrapers have the effect of a centrifugal air pump or blower, the air draft serving to clear the debris and milk from the casing and discharge it with the cut kernels, thereby preventing fermentation in the machine.

1,408,136. LOADING APPARATUS. LEON W. PALMER, Unity Station, Pa. Filed May 5, 1920. Serial No. 378,949. 9 Claims. (Cl. 214-95.)

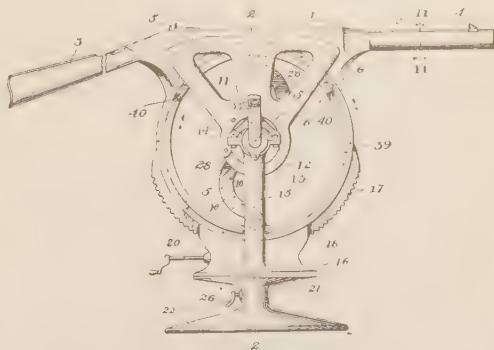


1. A loading apparatus comprising an elevator having a dumping bottom, a conveyor slide having a dumping bottom, means for shifting the slide to receive and convey material from the elevator and operating the bottom thereof to dump material into the slide, and means for releasing the bottom of the slide to dump the material conveyed thereby.

1,408,137. CENTRIFUGAL GUN. JOHN H. PARSONS, Ridley Park, Pa., assignor of one-fourth to Arthur C. Bunnell, Ridley Park, Pa., and one-fourth to Daniel J. Normoyle, Philadelphia, Pa. Filed Oct. 16, 1918. Serial No. 258,320. 10 Claims. (Cl. 89-10.)

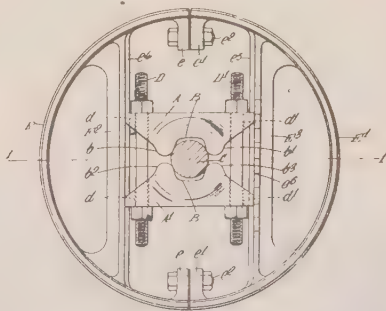
1. In a dirigible gun, a barrel, a rotary impeller provided with a feed pocket and a conductor communicating

therewith, a detent controlling the feed of projectiles to said pocket, a trackway concentric with said impeller, a



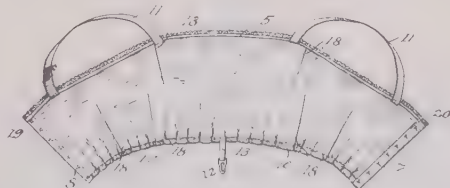
bulged portion in said trackway, and a wheel connected to said detent and bearing upon said trackway.

1,408,138. DETACHABLE PULLEY. HENRY WILLIAM LEACH FELL, Tonbridge, England, assignor to South of England Agricultural Machinery Company, Limited, Cheapside, London, England. Filed Aug. 31, 1920. Serial No. 407,193. 5 Claims. (Cl. 64-18.)



1. A detachable pulley consisting in the combination of a divided boss, a divided rim separate from said boss, two substantially transverse parallel members one on each of the elements of the divided rim, said members being spaced apart on opposite sides of the divided boss and situated at substantially right angles to the line of division of said divided boss, means for enabling the parts of the divided boss to be slidably adjusted along and between the said transverse parallel members to suit shafts of different diameters, means for clamping said parts of the divided boss to the shaft after adjustment thereon and means for clamping said transverse parallel members to said boss after the rim has been centrally adjusted.

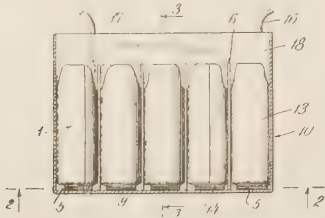
1,408,139. BRASSIÈRE. MAE V. PRUZAN, New York, N. Y. Filed Oct. 15, 1920. Serial No. 417,202. 7 Claims. (Cl. 2-73.)



1. A brassière formed of a single band of fabric and having a smooth imperforate bust embracing portion with

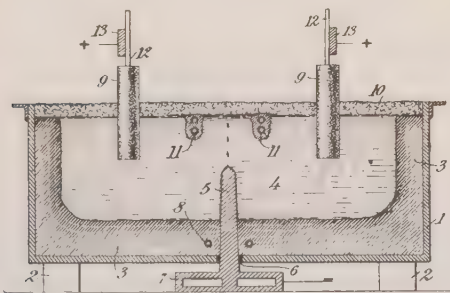
expandable plaits, and elastic means at the lower edge whereby the brassière will adjust itself to the shape of a corset over which it is worn.

1,408,140. DRY BATTERY. WALTER B. SCHULTE, Madison, Wis., assignor to Burgess Battery Company, a Corporation of Wisconsin. Filed Mar. 13, 1919. Serial No. 282,394. 9 Claims. (Cl. 204—53.)



1. A dry battery comprising a case, a nest fitted therein and providing a set of separate, vertical compartments, and dry-cells fitting in said compartments respectively with their lower ends spaced from the bottom of the compartments; substantially as described.

1,408,141. ELECTROLYTIC APPARATUS. GEORGE O. SEWARD, Niagara Falls, N. Y., assignor to American Magnesium Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Oct. 11, 1917, Serial No. 196,026. Renewed May 3, 1921. Serial No. 466,531. 9 Claims. (Cl. 204—19.)

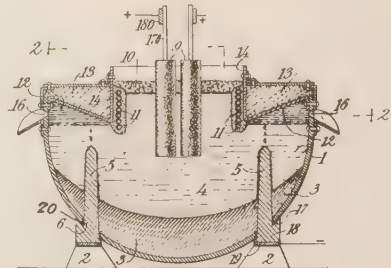


1. An electrolytic apparatus for producing a metal lighter than the electrolyte, comprising a vessel for containing a molten fluoric bath, having its walls so remote from the electrodes as to maintain an insulating layer of congealed salt thereon, a cathode projecting upwardly through such layer into the vessel, independently adjustable anodes depending into the vessel out of vertical alignment with the cathode, and means for cooling the upper portion of the bath, located to separate the portion above the cathode from the portion surrounding the anodes whereby to form, by a local solidification of the bath, an enclosure for receiving the molten light metal which rises from the cathode.

1,408,142. ELECTROLYTIC APPARATUS. GEORGE O. SEWARD, Niagara Falls, N. Y., assignor to American Magnesium Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Oct. 11, 1917, Serial No. 196,027. Renewed May 3, 1921. Serial No. 466,532. 11 Claims. (Cl. 204—19.)

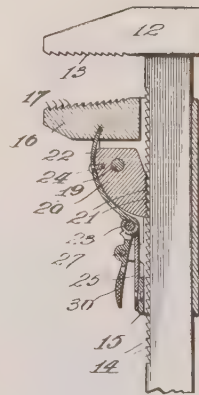
1. An electrolytic apparatus for producing a metal lighter than the electrolyte, comprising a vessel for containing a molten fluoric bath, having an insulating layer of

congealed salt on its bottom, a cathode projecting upwardly through such layer into the vessel, individually adjustable anodes depending into the vessel out of vertical alignment with the cathode, a collecting chamber above the cathode for receiving the molten light metal which rises from the cathode, and a water-cooled partition separating such chamber from the space surrounding the anodes.



2. An electrolytic apparatus according to claim 1, having an anode chamber separated from such collecting chamber by such water-cooled partition, and adapted for maintaining a layer of material floating upon the electrolyte and surrounding and protecting the anodes.

1,408,143. WRENCH. ADOLPHUS M. SHENK, ANDREW SALTZER, and LOUIS SALTZER, Callexico, Calif.; said Andrew Saltzer and said Louis Saltzer assignors of one-sixth to said Shenk. Filed Jan. 3, 1921. Serial No. 434,698. 2 Claims. (Cl. 81—145.)

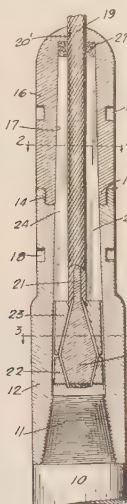


1. A wrench having a shank and a fixed jaw, a jaw mounted on the shank for movement toward or away from the fixed jaw, a dog associated with the movable jaw for locking the same to the shank, a pair of springs co-operatively operating against said dog for retaining said dog in engagement with said shank, and a member connected to said springs for flexing said springs and effecting the disengagement of the dog from said shank.

1,408,144. WIRE-ROPE SOCKET. DANIEL W. SNOW, Fillmore, Calif. Filed June 27, 1921. Serial No. 480,639. 8 Claims. (Cl. 24—126.)

1. A wire rope socket comprising a drill engaging member having a chamber which gradually tapers toward its upper end which chamber is adapted to receive the end portion of a wire rope or cable, a pair of tapered

rope clamping members removably positioned within said tapered chamber, and means within the lower portion



of the tapered chamber and below said rope clamping members for engaging the terminal portions of the wires of the rope or cable.

1,408,145. GLASS. EUGENE C. SULLIVAN and WILLIAM CHITTENDEN TAYLOR, Corning, N. Y., assignors to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed Dec. 16, 1920. Serial No. 431,311. 3 Claims. (Cl. 106—36.1.)

1. A glass containing over 70% silica, over 20% soda and oxides of the bivalent elements of the second group of the periodic system, the molecular percentage of the oxides of bivalent elements totaling 7 and less than 12 and also containing over 1% of alumina.

1,408,146. HAIR-WAVE FORMER. MARY E. THOMPSON, Fort Worth, Tex. Filed Dec. 21, 1921. Serial No. 523,849. 5 Claims. (Cl. 132—33.)

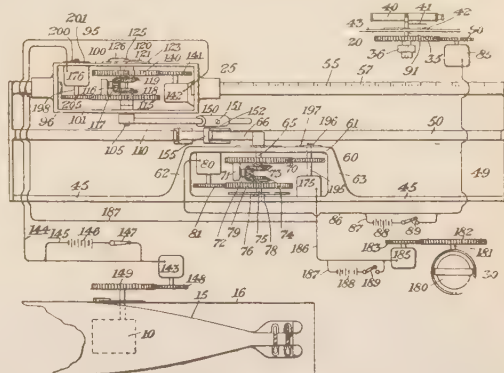


1. A hair waver comprising a body having a handle and branches projecting therefrom and said branches having pointed terminals and eyes spaced from the terminals to receive a holding ribbon.

1,408,147. SYSTEM FOR PREDIRECTING TORPEDOES. ALBERT D. TRENOR, New York, N. Y., assignor to John Hays Hammond, Jr., Gloucester, Mass. Filed Feb. 27, 1918, Serial No. 219,435. Renewed May 23, 1921. Serial No. 471,971. 20 Claims. (Cl. 114—238.)

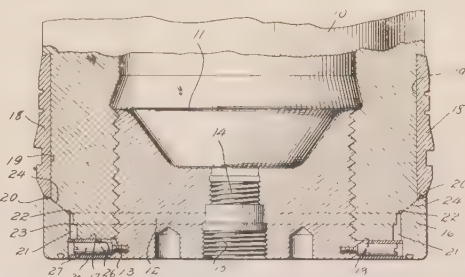
1. A predirecting system comprising a primary element arranged to swing about a normally fixed axis, a secondary element arranged to swing with respect to said primary element about a normally fixed axis spaced from said first mentioned axis, means operatively connecting said elements to cause said secondary element

to be moved as a result of the movement of said primary element, a sighting unit arranged to control said pri-



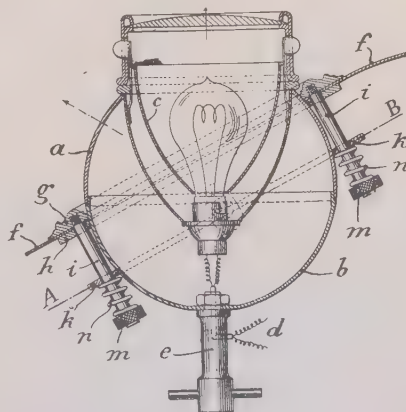
mary element, and means controlled by said secondary element for predirecting a movable body.

1,408,148. ARMOR-PIERCING PROJECTILE. WILLIAM J. TUCKER, Washington, D. C. Filed July 18, 1921. Serial No. 485,582. 4 Claims. (Cl. 102—29.)



1. An armor piercing projectile characterized by a line of weakness from the band score to the base, said line of weakness formed by an upwardly directed groove in the shell base, thereby weakening the shell body on a line from the inner rear edge of the band score to the inner end of the groove.

1,408,149. DEVICE FOR MOUNTING HEADLIGHTS ON THE BODIES OF MOTOR CARS. ANDRÉ VALLOT, Paris, France. Filed Sept. 22, 1913. Serial No. 791,094. 5 Claims. (Cl. 240—7.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A headlight mounting for motor cars or the like, comprising a partially spherical casing for the headlight, a ring of less diameter than said spherical casing carried in fixed position by the car, means frictionally supporting said casing against said ring and means extending inward from the inner portion of said casing by which the latter may be angularly displaced by hand in any direction from the interior of the car.

- 1,408,150. SOUND-PRODUCING INSTRUMENT. GIUSEPPE VIRZI, New York, N. Y. Filed Oct. 21, 1920. Serial No. 418,415. 6 Claims. (Cl. 274—35.)



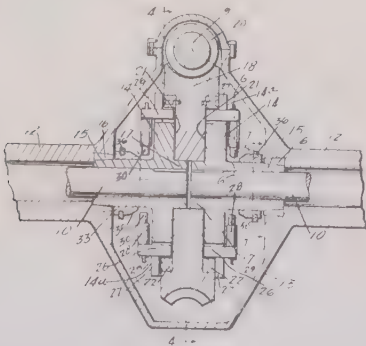
1. In a sound producing instrument, the combination of a main vibratory member, a movable member connected to the vibratory member to cause the vibration thereof, a second vibratory member adjacent to the main vibratory member, the connecting means between the main member and the movable member extending through the second mentioned vibratory member, and means auxiliary to said connecting means to support the second vibratory member.

- 1,408,151. NECKTIE HOLDER. LAWRENCE WALUCH, Baltimore, Md. Filed Sept. 6, 1917. Serial No. 189,997. 1 Claim. (Cl. 2—84.)



A frame upon which a necktie is to be tied before association with a collar consisting of a strand of material having its terminals spaced apart and offset in the same direction, a continuous button-engaging member enclosing and mounted by said terminals, and said member due to its walls being spaced apart by said terminals providing a relatively wide means to snugly fit the button intermediate its head and the collar of the wearer to avoid undue longitudinal movement of the frame on the button.

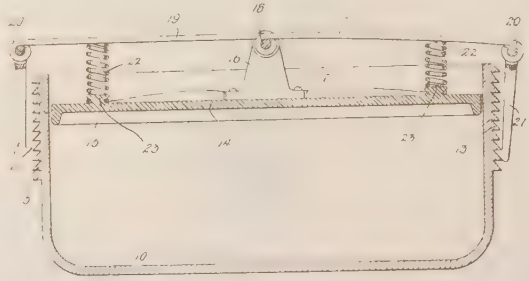
- 1,408,152. REAR-AXLE CONSTRUCTION. WILLIAM D. WERTS, Los Angeles, Calif., assignor of eleven per cent to George Feldcamp, eleven per cent to Joseph A. Shearer, eleven per cent to Claude E. Garner, eleven per cent to Chas. Calhoun, and eleven per cent to Roy Moore, Los Angeles, Calif. Filed Jan. 3, 1921. Serial No. 434,779. 6 Claims. (Cl. 74—7.)



1. In a rear axle and differential gearing construction a pair of aligned, wheel-carrying axle members, a power driven worm wheel mounted for rotation between said

axle members, the side faces of which worm wheel are provided with annular rows of ratchet teeth, discs fixed on the axle pieces adjacent to the sides of the worm wheel, spring held dogs fulcrumed on said discs, a spring held actuating member carried by each dog, and means for engaging said actuating members to reverse the positions of said dogs.

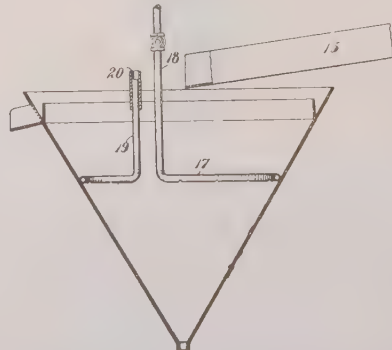
- 1,408,153. HAND-OPERATED HAM BOILER. HANS ADELMANN, New York, N. Y., assignor to Ham Boiler Corp., New York, N. Y., a Corporation of New York. Filed Feb. 3, 1921. Serial No. 442,177. 6 Claims. (Cl. 100—57.)



1. In a hand operated ham boiler, the combination with a body having substantially vertical sides and ends and having vertical series of rack teeth formed on the outer surfaces of the ends, of a cover movable into and out of the body, a transverse pivot above the central portion of the cover, a pair of flat metal arms mounted upon said pivot and extending thence beyond the ends of the cover and over the ends of the body, a pair of hooks depending from the ends of the arms and adapted to co-operate with selected teeth of the racks aforesaid, and pressure means between the cover and the arms.

6. In a ham boiler, the combination with a body and a cover movable thereinto, of a transverse pivot above the central part of the body, locking means between the cover and the body comprising a pair of arms pivoted upon said pivot, a coil spring pressure member between the middle portion of each arm and the cover, and a knob formed integral with the cover upon which the lower end of the spring is gripped to hold the spring vertical.

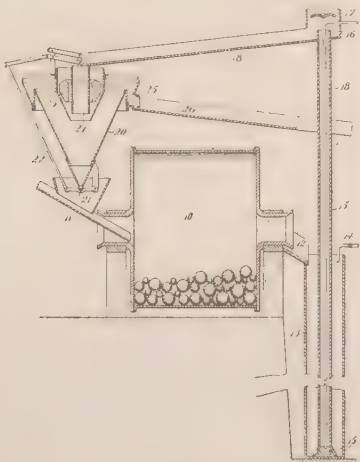
- 1,408,154. SETTLING AND THICKENING DEVICE. CHARLES ALLEN, El Paso, Tex. Filed May 4, 1920. Serial No. 378,864. 5 Claims. (Cl. 83—82.)



1. In a gravity separator or thickener, the combination with an inverted conical vessel having a discharge orifice at its bottom for quickly settling and heavy particles, said vessel being open at its top and arranged to allow the lighter and more slowly settling particles to overflow the rim thereof, and means for introducing material to be treated at the top of the vessel, of means to prevent the formation of plastic masses above the bottom discharge

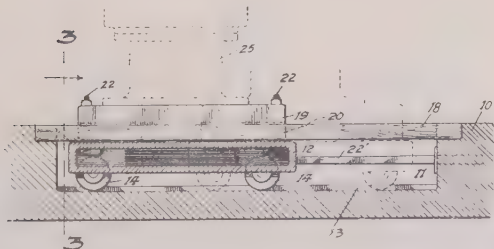
orifice, said means comprising a perforated pipe located in that portion of the vessel where the masses tend to form, valve-controlled means for supplying water to said pipe, and means other than said valve-controlled means for maintaining a uniform velocity of issuance of water through the perforations in the pipe.

1,408,155. CLOSED GRINDING CIRCUIT. CHARLES ALLEN, El Paso, Tex. Filed June 10, 1920. Serial No. 387,887. 2 Claims. (Cl. 83—82.)



1. A closed grinding circuit, including a pulverizer, an elevator into which the pulverized material discharges, a classifying and dewatering vessel to receive the material from the elevator, said vessel having a rim overflow for light and slowly settling particles and a bottom discharge orifice for quickly settling and heavy particles, means actuated by changes in the density of the material in the vessel for controlling said bottom discharge orifice, and means to return the classified and dewatered material to the pulverizer.

1,408,156. MOVABLE PLATFORM FOR POSITIONING SPECIAL MACHINES AND TOOLS. BIRGER T. ANDREN, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a Corporation of New York. Filed Mar. 5, 1921. Serial No. 450,074. 13 Claims. (Cl. 29—1.)



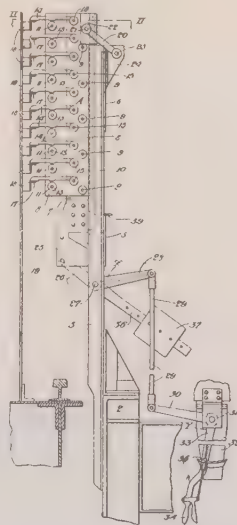
1. A grid covering a channel or pit in the floor, a movable platform reciprocating in the said channel or pit below the grid, and a machine or tool carried by the movable platform and operating above the grid, with connections between the said movable platform and machine or tool.

1,408,157. SOCKET. ROBERT FRANCIS ARMSTRONG, La Cygne, Kans., assignor to Frederick W. Pollman, Jr., La Cygne, Kans. Filed Dec. 4, 1920. Serial No. 428,325. 5 Claims. (Cl. 3—9.)



1. A socket for use with artificial body members comprising a sleeve embracing the fore-arm, a metallic cap receiving the end of the sleeve, socket irons integrally formed with the cap and arranged at diametrically opposite points on said sleeve, an armlet embracing the upper arm, a flexible band for securing the armlet in position on the upper arm, socket irons arranged at diametrically opposite points on the armlet and secured thereto, links pivoted to the socket irons of the armlet, flexible straps secured to the links at one end and a buckle secured to the irons of the sleeve and adjustably engaging the free end of said flexible straps.

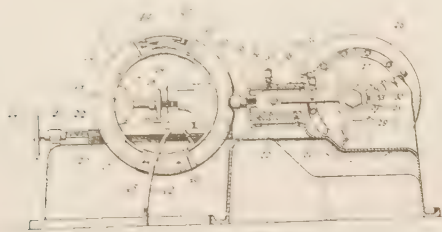
1,408,158. COLLECTOR-LIFTING MECHANISM. SAMUEL ARNOLD, 3d, Ben Avon, Pa. Filed Sept. 22, 1921. Serial No. 502,376. 4 Claims. (Cl. 191—29.)



1. The combination with a rigid trolley member, of a collector support slidably mounted on said trolley member, at least one collector pivotally mounted on said support adapted to normally contact with a suitable conductor, stop members projecting from said support for limiting the downward movement of said collector, and means for raising said collector support and said collector to break the contact with said conductor.

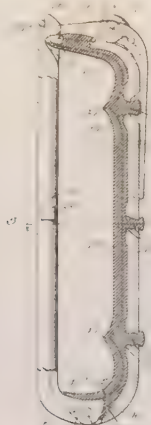
3. The combination with a rigid vertically disposed crane trolley member, of a collector support adapted to have a limited vertical movement relative to said trolley, a plurality of collector members pivotally mounted on said collector support adapted to normally contact with suitable electrical conductors, and a counterweighted lever mechanism for simultaneously moving said collector support and said collectors vertically relative to said trolley to break the contact of said collectors with said conductor

1,408,159. TIRE-TESTING METHOD AND MACHINE. HIRAM D. AYRES, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Apr. 10, 1920. Serial No. 372,796. 11 Claims. (Cl. 73—51.)



1. The method of testing pneumatic tires which comprises subjecting the inflated tire, radially of its tread portion and at a single locality thereon, to rapidly-repeated flexures, until it fails, and counting the number of said flexures.

1,408,160. VEHICLE TOP-BOW HOLDER. CLARENCE L. BAIR, Detroit, Mich., assignor to Auto Specialties Manufacturing Co., St. Joseph, Mich., a Corporation of California. Filed Jan. 17, 1916. Serial No. 72,624. 7 Claims. (Cl. 296—128.)



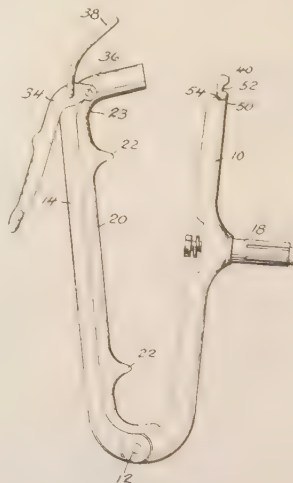
1. In a device of the class described, the combination of a stock and arm lying at a distance from each other and hinged together, and a cushion member applied to one of said first mentioned members provided with the end portion which extends over and protects the hinge portions of the stock and member; there being a member attached to the cushion interfitting with the parts of the hinge between the stock and arm to retain the cushion device in position at that point.

3. In a vehicle bow holder, the combination of a stock, an arm having one end hinged to the stock, a rigid member projecting from the other end of the arm for engagement with the stock to space said arm and stock, a lever pivoted to the arm, and a catch pivoted to the lever engageable with the stock when the arm is disposed in bow holding position and operating to clamp the stock and arm together as the lever is moved toward the arm.

1,408,161. VEHICLE BOW-TOP HOLDER. CLARENCE L. BAIR, St. Joseph, Mich., assignor to Auto Specialties Manufacturing Co., San Francisco, Calif., a Corporation of California. Original application filed Feb. 21, 1917, Serial No. 150,068. Divided and this application filed June 11, 1919. Serial No. 303,354. 4 Claims. (Cl. 296—128.)

1. A device of the character described, comprising a stock arranged to be attached to a vehicle body, an arm

hinged adjacent to one end of said stock, an operating lever pivotally mounted upon the free extremity of said arm, a link carried by said lever adapted to pass over and engage the free end of the stock to clamp the bows of a vehicle top between said stock and said arm, said link being of such a



size that it could, but for a stop, pass an indefinite distance down said stock, and a stop device adjacent to the upper end of the stock adapted to prevent undue movement of the link along the stock beyond its end, for the purposes set forth.

1,408,162. HAMMER. JOSEPH A. BARTOSZ, Salem, Oreg. Filed Oct. 4, 1919. Serial No. 328,496. 1 Claim. (Cl. 254—26.)

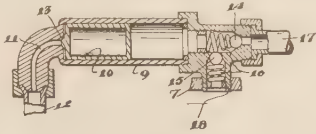


A claw hammer comprising a head, a removable handle in the head, and a groove extending across the upper surface of the head in close proximity to the claw, with a T-shaped post screwably mounted in the head, said post moving at right angles to the groove, and the cross-bar on top of the post coacting with the groove in holding the head of a nail while said nail is being tacked into place.

1,408,163. GASOLINE FEED FOR INTERNAL-COMBUSTION ENGINES. CHARLES L. BASLE, Los Angeles, Calif. Filed July 13, 1920. Serial No. 395,902. 3 Claims. (Cl. 158—36.)

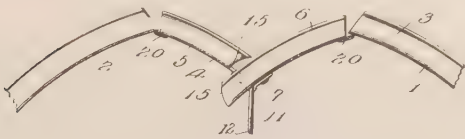
1. The combination with an engine cylinder and piston, of a fuel supply, a pump cylinder, a piston adapted to re-

ciprocate therein, said piston having a valve formed on one end thereof, a conduit leading from said engine cylinder and terminating in a valve seat at one end of said pump cylinder and adapted to receive said valve, and op-



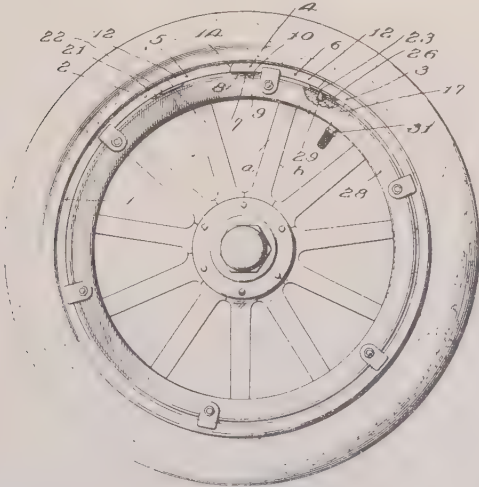
positely functioning check valves in the opposite end of said pump cylinder, the inwardly opening one of said check valves communicating with said fuel supply and the outwardly opening one of said check valves communicating with a gravity feed tank.

1,408,164. AUTOMOBILE TIRE RIM. JOHN A. BEDDINGFIELD, Fort Valley, Ga. Filed Feb. 1, 1921. Serial No. 441,688. 3 Claims. (Cl. 301—32.)



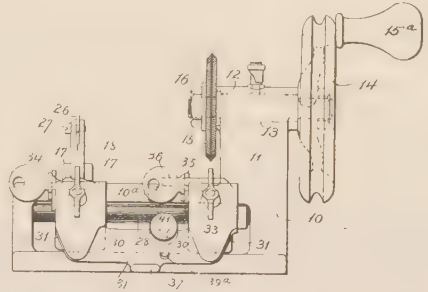
1. A flanged tire supporting rim comprising a section having an open portion or gap therein, a detachable rim section composed of toggle sections hinged together at their meeting ends beneath the tire supporting surface and having their free ends extending into and positioned within the aforesaid open portion for completing the rim, and means for securing the aforesaid sections together, their inner ends meeting in arcs of circles to form a smooth and uninterrupted tire support.

1,408,165. AUTOMOBILE TIRE RIM. JOHN A. BEDDINGFIELD, Fort Valley, Ga. Filed Mar. 7, 1921. Serial No. 450,290. 8 Claims. (Cl. 301—32.)



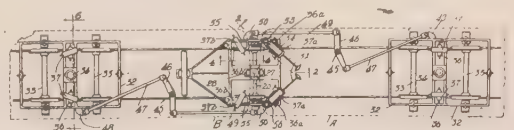
1. A tire supporting rim comprising a section having an open portion or gap therein, a detachable rim section for said gap arranged to operate as a toggle and having free ends extending into and secured within the aforesaid open portion for completing the rim, and coating devices spaced from the extreme free ends of the detachable rim section and the open ends of the first mentioned section for positively locking the said sections together.

1,408,166. MACHINE FOR DUPLICATING KEYS. CHARLES A. BERRY, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Aug. 10, 1920. Serial No. 402,555. 7 Claims. (Cl. 90—13.2.)



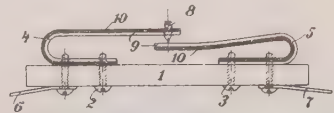
1. In a key duplicating machine, the combination of a frame, a rotating cutter, a gauge, means tending to yieldingly force the gauge forward toward the key and means for locking said gauge in fixed rearward position.

1,408,167. CAR TRUCK. SAMUEL B. BRILHART, New York, N. Y. Filed Aug. 18, 1920. Serial No. 404,893. 11 Claims. (Cl. 105—4.)



1. In a car truck, a truck frame, antifriction rollers journaled on said frame, a car body positioned above said truck frame, anti-friction rollers carried by the car body and having rolling contact with the anti-friction rollers journaled on said frame, each of the rollers carried by the car body being journaled in an arm arranged diagonally to the car body, means to pivot one end of the arm to the car body, and resilient means between the other end of the arm and the bottom of the car body.

1,408,168. THERMOSTATIC CIRCUIT CLOSER. ABTON ALBERT BUCK, Zurich, Switzerland. Filed Oct. 30, 1918. Serial No. 260,406. 1 Claim. (Cl. 200—138.)



Improvements in thermostatic circuit closers having a support with two U-shaped composite, thermostatic bars, having their metals oppositely placed in said bars, said bars being mounted on the support with the curved portions extending away from each other and so clamped that the bars move about a point near the lower portion of the curve as a center so that the radii from the fixed points of the bars towards the contact points form with each other an obtuse angle of nearly 180° so that the contact points move in substantially a straight line.

1,408,169. FERTILIZER. ALFRED HUTCHINSON COWLES, Sewaren, N. J. Original application filed Sept. 18, 1917, Serial No. 192,028. Divided and this application filed Dec. 21, 1918. Serial No. 267,809. Renewed May 11, 1921. Serial No. 468,729. 4 Claims. (Cl. 71—9.)

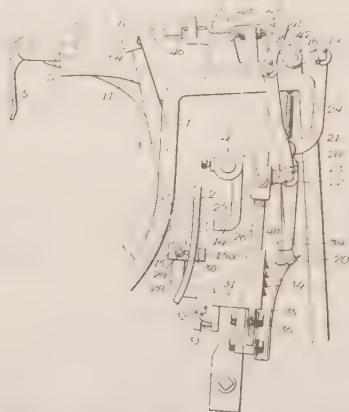
4. The method of producing a fertilizer or fertilizer component, which comprises sintering silicious rocks containing potash with lime in such proportions as to form

di-calcium silicate containing quite a quantity of potassium aluminate, the compound being adapted to be decomposed and liberated to the soil CaCO_3 and hydrated silica.

1,408,170. TREATMENT FOR VENEREAL DISEASES. WILLIAM E. CRAIG, Joplin, Mo., assignor, by mesne assignments, to Craig Chemical Corporation, Cleveland, Ohio, a Corporation of Delaware. Filed Dec. 5, 1918. Serial No. 265,356. 13 Claims. (Cl. 167-7.)

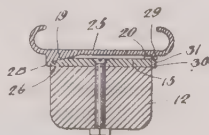
11. A remedy for internal use for venereal diseases comprising mercury, opium, quinine, and licorice, the said several constituents being in substantially the quantity and bearing that relative proportion to each other fixed by the limits of the therapeutical action required substantially as described.

1,408,171. MISTREADING DEVICE FOR WEFT-REPLENISHING LOOMS. RANDOLPH CROMPTON and WILLIAM E. WOODMAN, Worcester, Mass.; said Woodman assignor to said Crompton. Filed May 26, 1919. Serial No. 299,978. 10 Claims. (Cl. 139-85.)



1. In a loom, a filling detector, a slide adapted to be moved upon the detection of filling absence, a knock-off lever, and a vertically movable knock-off lever actuator adapted to be lifted step-by-step by the movements of said slide, the said actuator being held in an inoperative position with respect to said knock-off lever by the force of gravity.

1,408,172. DEMOUNTABLE RIM. ANDREW C. DAM, New York, N. Y. Filed Jan. 29, 1921. Serial No. 441,037. 3 Claims. (Cl. 301-27.)

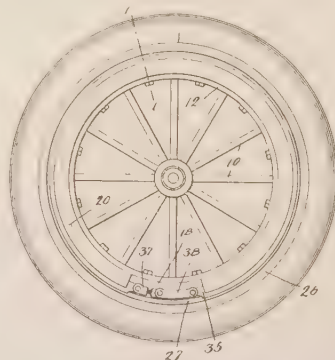


1. The combination with a wheel, of a fixed rim on the felly, a demountable rim adapted for engagement with said fixed rim having inwardly extended beveled lugs, and an expandable ring having a single wedge-shaped rib adapted to be radially expanded to engage all of said lugs to force said demountable rim into engagement with said fixed rim.

1,408,173. DEMOUNTABLE RIM. ANDREW C. DAM, New York, N. Y. Filed Jan. 29, 1921. Serial No. 441,038. 1 Claim. (Cl. 301-27.)

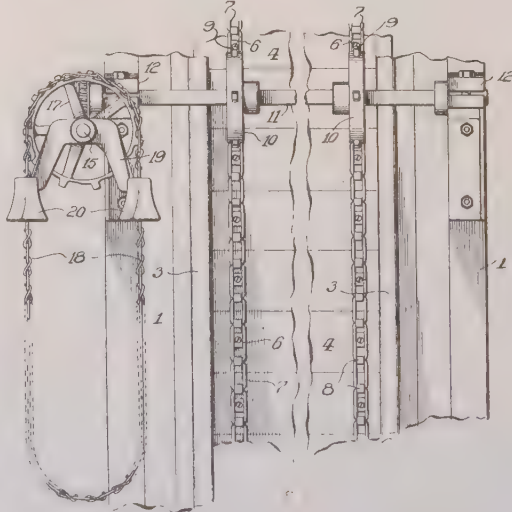
The combination with a wheel, of a fixed rim on the felly, a demountable rim adapted to be arranged on and secured to said fixed rim, and an expandable ring carried by said wheel and expandable into engagement with said demountable rim to force said rim on said fixed rim and

lock it thereon, said rims having contacting supporting portions adjacent an edge thereof whereby that edge of the demountable rim is supported by said fixed rim and whereby said edge is guided on said fixed rim as said demountable rim is being arranged and secured on said fixed rim, said other edge of said demountable and fixed rims being provided with co-acting wedging surfaces which serve to tightly hold said demountable rim on said fixed rim and support that edge of said demountable rim by said fixed rim, said wedging surfaces and supporting portions receiving the entire weight supported by the wheel, said fixed rim having a grooved edge portion adjacent the wedge surface thereof, and said expandable ring arranged and held in said groove, said groove having substantially



parallel side walls which closely fit and support said expandable ring, the top inner portion of said ring having a wedge surface, and said demountable rim having a co-acting wedge surface adjacent said first wedge and supporting surface adapted to be engaged by the wedge surface of said expandable ring to force said demountable rim on said fixed rim, the arrangement being such that the co-acting supporting surfaces and portions of said demountable and fixed rims support the entire weight supported by the wheel, with the two co-acting wedging surfaces forming means whereby the demountable rim is held secured on said fixed rim, and said expanded ring forming a circular flange carried by said fixed rim to positively lock said demountable rim on said fixed rim.

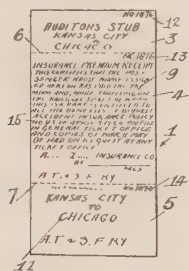
1,408,174. DOOR AND OPERATING MECHANISM THEREFOR. OWEN L. DAUTRICK, Detroit, Mich., assignor of one-half to Frederick M. Sumner, Detroit, Mich. Filed Nov. 18, 1919. Serial No. 338,791. 2 Claims. (Cl. 268-1.)



1. The combination with a vertical doorway frame, a sectional flexible door slidable vertically therein, chains

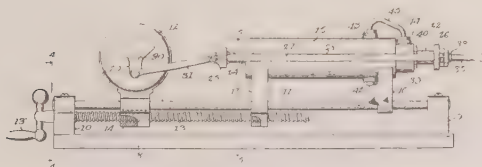
on the inner side of said door and having links connected to the door sections, wheels engaging the links of said chains for controlling the movement of the door, a shaft supporting said wheels at the upper portion of the door, and means operable at the lower portion of the door for imparting movement to said shaft.

- 1,408,175. DEVICE FOR PROVIDING RAILROAD-ACCIDENT INSURANCE. GEORGE E. DICKSON, Chicago, Ill. Filed Apr. 26, 1920. Serial No. 376,544. 3 Claims. (Cl. 283—23.)



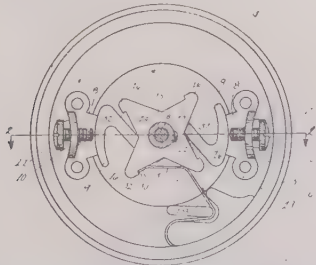
1. A ticket-insurance premium receipt device, in combination with a blanket accident insurance policy bearing an identifying mark, and having a statement inscribed thereon limiting protection to persons while in the use of transportation tickets, said ticket-insurance premium receipt device being composed of a transportation portion and an insurance premium receipt portion having mutually identifying marks, and said insurance premium receipt portion bearing a mark corresponding to the identifying mark on said blanket accident insurance policy.

- 1,408,176. PNEUMATIC DRILL. CHARLES W. H'DOUBLE, Madison, Wis. Filed Feb. 3, 1919. Serial No. 274,697. 10 Claims. (Cl. 125—32.)



1. A pneumatic tool, comprising a cylinder, a pair of power pistons positioned in said cylinder and connected together outside of the cylinder, a floating piston interposed between the pair of pistons and reciprocated by the pressure and vacuum created thereby, a tool member actuated by the floating piston, and means for simultaneously reciprocating the pair of pistons.

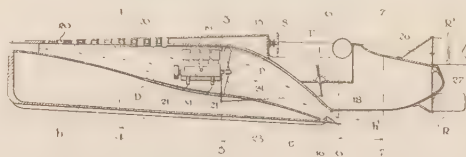
- 1,408,177. ELECTRIC SWITCH. CHARLES W. H'DOUBLE, Madison, Wis. Filed Oct. 17, 1919. Serial No. 331,460. 5 Claims. (Cl. 200—63.)



1. A quick make and break switch, comprising a stationary contact, a star wheel, a contact knife carried by

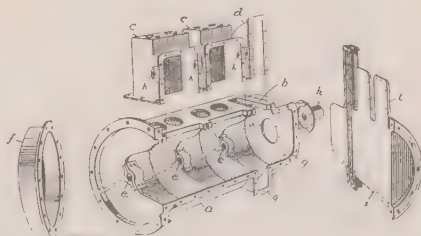
the star wheel and engageable with the contact, means for rotating the star wheel and permitting a limited independent movement of the wheel, and yielding means engaging the star wheel at two independent points for holding said wheel in predetermined positions of rest.

- 1,408,178. BOAT CONSTRUCTION. VIRGIL SIDNEY DOWNING, Jackson, Miss. Filed Nov. 20, 1920. Serial No. 425,474. 7 Claims. (Cl. 115—11.)



1. A boat including a hull, and an air duct formed in the hull and extending rearwardly and downwardly from the bow end of the hull to and through the bottom thereof at a point in the rear of the medial portion of the hull, a motor positioned within the duct, and a propeller vertically positioned within the duct and operatively connected to said motor.

- 1,408,179. INTERNAL-COMBUSTION ENGINE. ELEUTHÈRE PAUL DU PONT, Montchanin, Del. Filed Feb. 25, 1919. Serial No. 279,083. 13 Claims. (Cl. 123—195.)

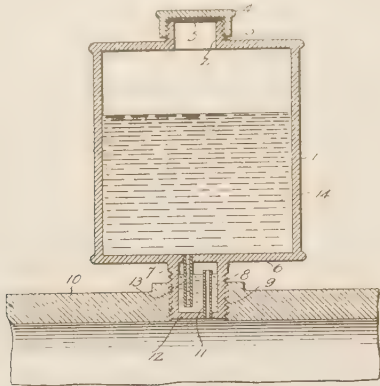


10. In an internal combustion engine, the combination with a case for the crank shaft and gearing opening along its front and provided at its top with openings for the engine cylinder and a deep indentation, cylinder castings and a gearing enclosing a hood also opening along its front forming a continuation of the open front in the casing mounted upon the case and communicating with the case through said openings and deep indentation respectively, shaft bearings in the case, webs supporting said bearings and functioning also as braces, and a removable cover plate for the open front.

- 1,408,180. OIL CUP. LESLIE CARL DUTRO, Long Beach, Calif. Filed Oct. 5, 1920. Serial No. 414,820. 5 Claims. (Cl. 184—54.)

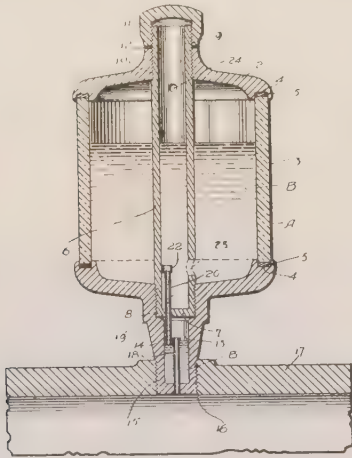
5. A lubricant feeding device of the character stated, comprising an airtight cup adapted to contain lubricant and air, a well at the bottom of the cup, a tube projecting downwardly into the well and communicating with the cup, an outlet tube in the well communicating with the bottom thereof and having its upper end pro-

jecting above the lower end of the first-mentioned tube, said well adapted to contain lubricant and air, and said



well externally screw-threaded and adapted to be screwed into a bearing.

1,408,181. OIL CUP. LESLIE C. DUTRO, Long Beach, Calif. Filed Feb. 9, 1921. Serial No. 443,658. 5 Claims. (Cl. 184-54.)

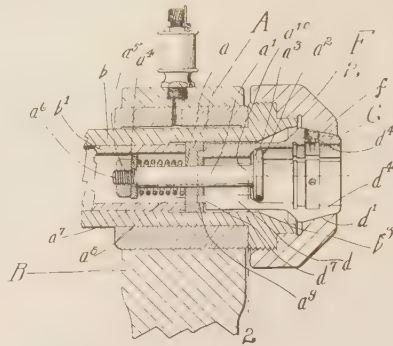


4. A device of the character stated, comprising a base, a top, a casing, a filler tube having screw threaded engagement with the top and the base and coupling the said parts together, a well formed in the base below the lower end of the tube, an outlet tube extending upwards into the well, a tube adjustable in the lower end of the first-mentioned tube and connecting the interior of the cup with the well, said first-mentioned tube having an oil opening near its lower end and an air opening near its upper end, said first-mentioned tube extending above the top, and a cap removably screwed on the upper end of said filler tube.

1,408,182. MASTER COLLET. WILLIAM C. ELBE, Cincinnati, Ohio. Filed Dec. 15, 1920. Serial No. 430,903. 1 Claim. (Cl. 279-38.)

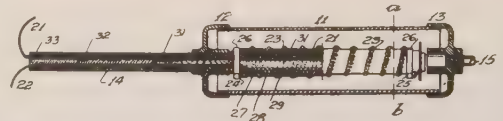
The combination of a hollow spindle, a locking ring mounted on the spindle and having a tapered bore in alignment with the axis of the spindle, a collet mounted reciprocally in the spindle and comprising a collar, expandible jaws mounted pivotally upon the collar and having a primary internal surface and a secondary internal surface, a plunger mounted reciprocally in the collar, a head on the plunger, a tapered face on the

plunger head engaging the jaws intermediate the primary and secondary internal surfaces, yieldable means to



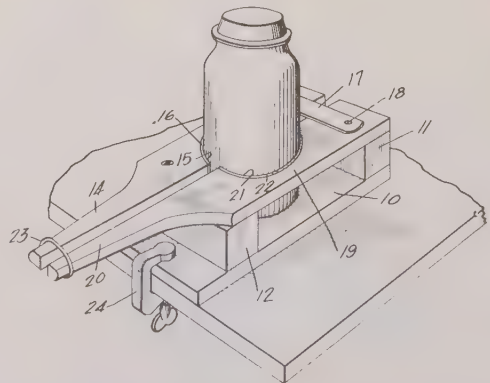
maintain the tapered face on the plunger head in engagement with the jaws and means to move the jaws over the face of the bore in the spindle.

1,408,183. ELECTRIC HEATER FOR OUTDOOR USE. EDWARD A. EVERETT, New York, N. Y., assignor to Q & C Company, New York, N. Y., a Corporation of Maine. Filed Mar. 13, 1919. Serial No. 282,423. 2 Claims. (Cl. 219-67.)



1. In an electric heater of the class described in combination, a length of iron pipe of large diameter, reducing caps screwed to each end of said pipe, a length of pipe of small diameter screwed to one of said caps, a heating coil enclosed within said large diameter pipe, conductors to said heating coil inserted within said small diameter pipe, and said latter pipe being filled with mineral wool where it is subject to heat with a water-proof sealing compound adjacent to said mineral wool and with cement at the outer end.

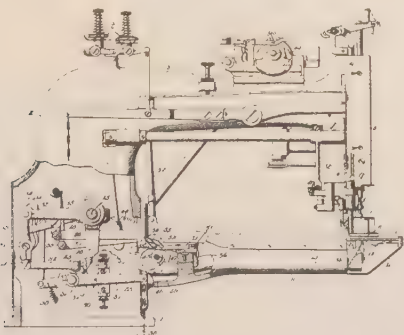
1,408,184. FRUIT-JAR CLAMP AND HOLDER. NATHANIEL N. FARLOW, Pasadena, Calif., assignor of one-half to Brita R. Farlow, Pasadena, Calif. Filed Sept. 15, 1921. Serial No. 500,827. 1 Claim. (Cl. 81-3.3.)



A fruit jar clamp and holder comprising a rectangular base, a block secured across the rear end of the base, a second block secured across the front part of the base,

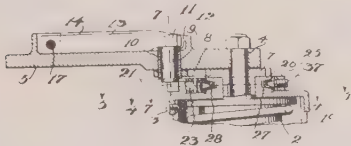
a jaw fixed on top of the blocks and having a forwardly projecting tapered handle and a semicircular recess in one side face between the blocks, a plate mounted transversely on the rear end of the jaw, a second jaw pivotally mounted between the plate and rear block and having a central semicircular recess in opposition to the first recess and resting upon the forward block and having the forwardly extending tapered handle matching the first handle, and a ring adapted to slide upon the two handles so that pressing the ring backwardly pulls the jaws together due to the taper of the handles.

1,408,185. LOOPER-THREAD-CONTROLLING MECHANISM FOR SEWING MACHINES. GEORGE S. GATCHELL, Roselle Park, N. J., assignor to The Singer Manufacturing Company, a Corporation of New Jersey. Filed Feb. 6, 1919. Serial No. 275,296. 7 Claims. (Cl. 112-242.)



1. Looper-thread controlling mechanism for sewing machines comprising, one or more needles, a looper, means for imparting advancing and retracting movements to the looper, an intermittently acting thread-nipper, and means for pulling back to the supply side of the nipper any slack or unused looper-thread remaining on the work side of the nipper after the stitch has been drawn up.

1,408,186. DOOR-CONTROLLING APPARATUS. RAY STEWART GEHR, Cleveland, Ohio. Filed Mar. 30, 1916, Serial No. 87,819. Renewed May 13, 1921. Serial No. 469,327. 12 Claims. (Cl. 16-59.)

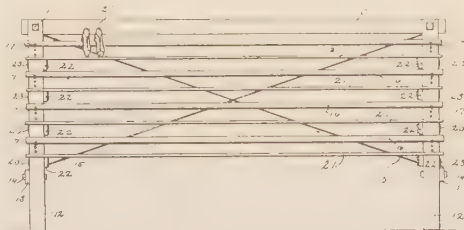


1. A door controlling mechanism adapted to be operatively connected to a door and its frame and having in combination means for closing the door and holding means for automatically opposing the force of the closing means to hold the door open when it is opened to any position, the said holding means comprising coacting clutch parts releasable by a slight manual movement of the door from its open position to permit the closing means to move the door to its fully closed position.

1,408,187. DISPLAY RACK. LOUIS GENTILE, Kenosha, Wis., assignor of one-sixth to Jasper A. Gentile, one-sixth to Antonio Gentile, one-sixth to Joseph Gentile, one-sixth to Ralph Gentile, and one-sixth to John Gentile, Kenosha, Wis. Filed Mar. 23, 1920. Serial No. 368,002. 2 Claims. (Cl. 211-14.)

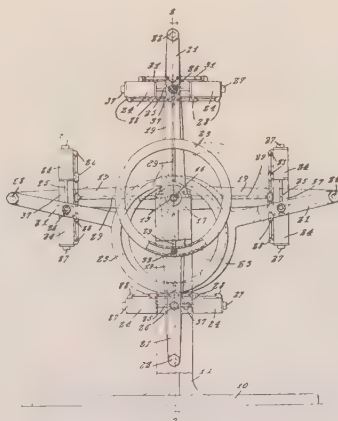
2. A collapsible display rack for foot wear comprising a supporting frame, pairs of transverse arms detachably

secured to the frame, a longitudinal shelf member connecting the arms of each pair, means adjustably securing said shelf members to the transverse arms, a longitudinal



shelf member co-operating with each of said first mentioned shelf members, and means adjustably connecting said last mentioned shelf members to the frame.

1,408,188. REVOLVING AIR COMPRESSOR. FREDERICK AUGUST GERLING, Silver City, Idaho, assignor of one-fourth to Daniel Dale Long and one-fourth to Richard Richardson, Boise, Idaho. Filed Dec. 4, 1919. Serial No. 342,427. 8 Claims. (Cl. 230-31.)

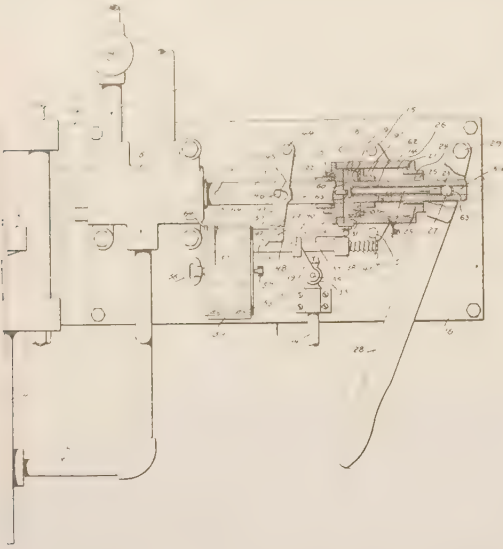


1. A device of the class described comprising a rotatable shaft, a plurality of air compressors radially spaced from and mounted upon said shaft, means for supporting said compressors for rotation with said shaft, and means for gravitationally actuating said compressors during the rotation of said shaft, said actuating means comprising a plurality of pendulums having their centers of oscillation at points radially spaced from the shaft and connected to said compressors intermediate their centers of oscillation and the shaft.

1,408,189. PRESS. HENRY R. GILSON, New Rochelle, N. Y., assignor to Revere Rubber Company, a Corporation of Rhode Island. Filed Aug. 2, 1919. Serial No. 314,917. 22 Claims. (Cl. 18-17.)

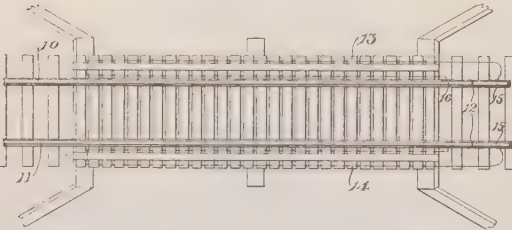
1. An attachment for fluid-pressure presses, said attachment comprising a main valve to control said fluid-pressure, a subsidiary fluid-pressure cylinder to operate said main valve, a subsidiary controlling valve for said subsidiary cylinder, and operating means for said subsidiary valve, said operating means including an operating member, a detent to hold said operating member inoperative during the period predetermined for operation of said

press, and a clock having means to release said operating member to actuate said subsidiary valve and admit fluid



under pressure to said subsidiary cylinder for the operation of said main valve, to effect the relief of operating pressures in said press.

1,408,190. SIGNAL SYSTEM. WILLIAM P. GREGORY, Stone Canon, Calif. Filed July 13, 1921. Serial No. 484,284. 3 Claims. (Cl. 246—121.)



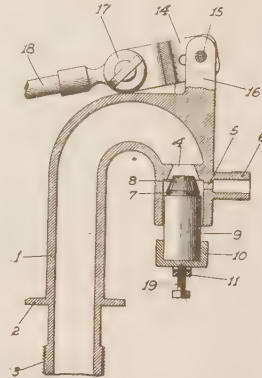
3. In combination with a railway block system in which electric circuits are carried by track rails, said rails extending across a supporting structure, means insulating contiguous ends of the rails near one end of the supporting structure, a fusible wire secured to the ends of the contiguous rails at opposite sides of said insulating means, said wire extending from one fastening point across the supporting structure and returning across the supporting structure to the fastening point upon the opposite side of the insulating barrier.

1,408,191. OBJECT RETAINER. RAOUL J. GRUENBERG, San Francisco, Calif., assignor to The Paraffine Companies, Inc., a Corporation of Delaware. Filed Aug. 27, 1920. Serial No. 406,354. 2 Claims. (Cl. 206—9.)



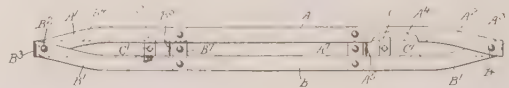
1. An object holder for boxes comprising the combination with a box having folding flaps, of a sheet of material having an opening therethrough to receive the object and flaps at the end of said sheet of material for being folded between the flaps of the box to hold the object in a given position with respect of the box.

1,408,192. BALL COCK FOR FLUSH TANKS. CHARLES H. GUNN, Oakland, Calif. Filed Nov. 9, 1920. Serial No. 422,790. 3 Claims. (Cl. 137—104.)



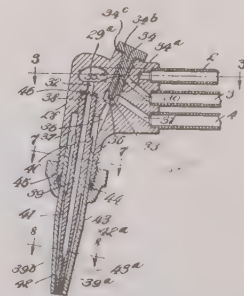
3. A valve of the character described comprising an inverted U-shaped body member adapted at one end for connection to a source of supply, a tapered seat a predetermined distance from the other end, a similarly tapered plunger adapted to fit in said seat slidable in the body and projecting therefrom, a pair of straps extending in the same direction as said plunger on the outside of the body to a point thereabove, guides on the body for said straps, a connecting arm for the straps passing under the plunger and on which the latter rests, and float actuated lever means connected to the opposite ends of the straps and to the body.

1,408,193. BUMPER BAR. LEWIS P. HALLADAY, Decatur, Ill. Filed May 18, 1921. Serial No. 470,622. 25 Claims. (Cl. 293—55.)



3. A vehicle bumper comprising two parallel vertically spaced impact members joined at their ends, vertical spacing members intermediate the ends of and joining the impact members, and reinforcing members located behind the impact members and joining the ends thereof and the spacing members, the impact members being rearwardly bent at their ends, the reinforcing members being substantially parallel with the central portion of the impact members.

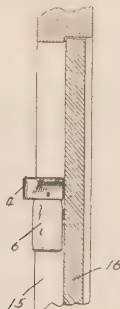
1,408,194. BLOWPIPE. JOHN HARRIS, Lakewood, Ohio. Filed Mar. 29, 1918. Serial No. 225,431. 10 Claims. (Cl. 158—27.4.)



1. In a blowpipe, the combination of a head, and a tip connected thereto, said tip having a central bore for cut-

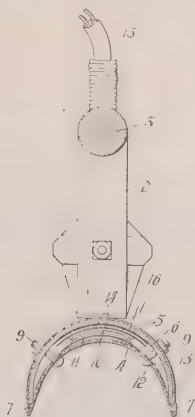
ting oxygen and having a plurality of V-shaped passages for preheating gases grouped about and converging toward the delivery end of said bore at an angle of approximately four and one-half degrees.

- 1,408,195. MILK-BOTTLE HOLDER. CHARLES M. HATCHER, Oakland, Calif., assignor of one-half to Joseph L. Ross, Redwood City, Calif. Filed Nov. 22, 1919. Serial No. 339,931. 7 Claims. (Cl. 232-42.)



1. A holder for a bottle having an annular bead around its top, comprising a top plate, sides extending downwardly therefrom and being arranged to form a closed end, longitudinal ribs found on the inside of said sides terminating short of said closed end and adapted to engage the bead on said bottle and spring means adapted to prevent the withdrawal of the bottle held by said ribs.

- 1,408,196. ELECTRIC HEATER FOR THAWING PIPES. ALBERT C. HOFFMAN, Huntington, Ind. Filed Mar. 5, 1921. Serial No. 449,772. 3 Claims. (Cl. 219-21.)



1. In a heater of the class described, an elongated body of U-form in cross-section comprising inner and outer U-shaped members fitting one within the other to cooperate to form a chamber therebetween, one member having its side edges turned to form troughs for receiving the side edges of the outer member, and one member having end flanges extending outward to close the ends of the chamber, means releasably securing the body member together, an electric heating element disposed within the body chamber and insulated from the body members, and a handle carried by the outer body member.

- 1,408,197. HANDPIECE FOR DENTAL INSTRUMENTS. GEORGE M. HOLLENBACK, Lewistown, Mont. Filed July 11, 1918. Serial No. 244,467. 4 Claims. (Cl. 74-56.)

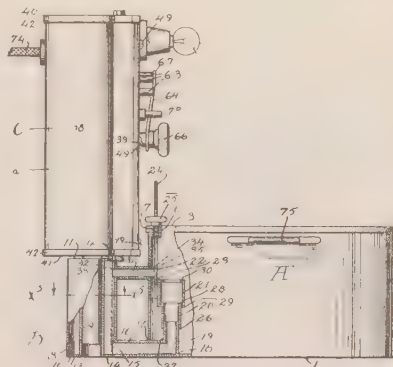
1. A dental handpiece including a tubular casing having an angularly disposed head which is divided longitudi-

nally into complementary sections, said sections being correspondingly recessed to provide angularly disposed bearings and a chamber, shafts journaled within the said bearings and removable when the complementary sections are separated from each other, intermeshing gearing applied to the shafts and housed within the before-mentioned



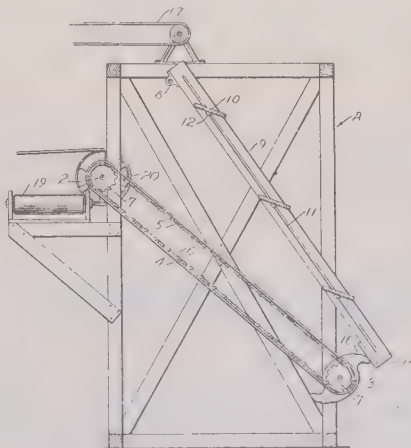
chamber, and quickly detachable locking means for holding the complementary sections together, said complementary sections being adapted to be bodily disengaged from each other and separated when the locking means is released, said locking means including a handle formed with a part adapted to have a threaded engagement with an end of the angularly disposed head.

- 1,408,198. FLUID HEATER. GEORGE M. HOLLENBACK, Los Angeles, Calif. Filed May 5, 1920. Serial No. 379,070. 15 Claims. (Cl. 126-344.)



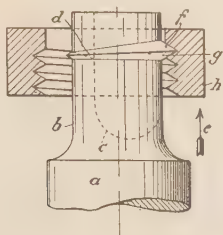
1. A fluid heater for softening a modeling or impression compound, comprising a fluid container member and means associated with said member whereby fluid contents therein may be heated to any desired temperature at any desired level of the fluid.

- 1,408,199. SEPARATOR. EMIL CLEMENS HORST, San Francisco, Calif. Filed Sept. 29, 1920. Serial No. 413,577. 7 Claims. (Cl. 130-18.)



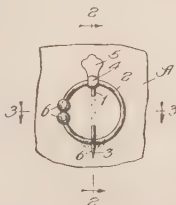
1. In a separator of the character described the combination with the main separating belt of a pair of side bars pivotally supported at one end above the belt, de-

forming a cutting face, said thread tooth diminishing in size from said end to the opposite end and having two



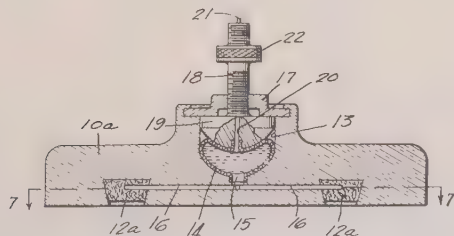
flanks, one of which forms a helix, the other flank forming part of a truncated cone the apex of which is in the axis of the tool.

1,408,206. PIN. WALTER EDGAR JOHNSON, Chicago, Ill. Filed Nov. 1, 1920. Serial No. 421,076. 1 Claim. (Cl. 24—156.)



In a device of the kind described and in combination, a piercing pin member adapted to be inserted through the material with which it is to be used, and a resilient split guard ring cooperable with said piercing member to prevent its disengagement from said material, said guard ring being adapted to overlie said material and having a radial notch therein out of radial alignment with said opening, the opposed ends of said ring being normally in abutment with each other, and said piercing member being bodily slidable on the ring so as to be moved entirely through and past said split out of radial alignment therewith and to engage in said notch and overlie said guard ring.

1,408,207. SELF-FEED LETTERING-STAMP PAD. ALBERT B. JONES, Los Angeles, Calif. Filed Aug. 22, 1921. Serial No. 494,315. 6 Claims. (Cl. 101—327.)

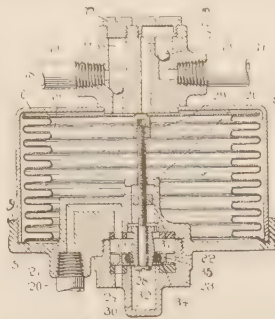


1. A printing member, comprising an elastic body, and an absorbent ink-retaining member seated in the under side of said body, the under face of which absorbent ink-retaining member is slightly inset with respect to the under face of the elastic body.

1,408,208. LIQUID-FUEL-FEEDING DEVICE FOR INTERNAL-COMBUSTION ENGINES. JOSEPH W. JONES, New York, N. Y. Filed May 25, 1917. Serial No. 171,064. 34 Claims. (Cl. 158—36.)

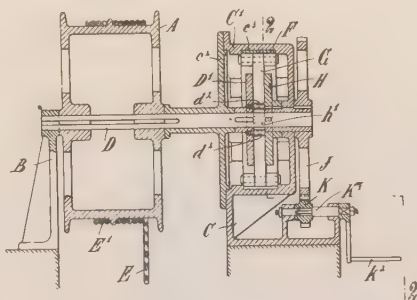
1. A pump comprising a pump chamber having inlet and discharge passages, an extensible and contractible pump-

ing element in said pump chamber, said element having deeply corrugated side walls and a closed free end and



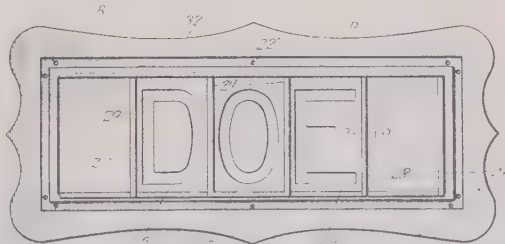
means on the discharge side of the pump for controlling the extension movement of said element.

1,408,209. AUTOMATIC BRAKE FOR HOISTING DEVICES. GUSTAV KLEBER, Essen-on-the-Ruhr, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Feb. 3, 1915. Serial No. 5,924. 8 Claims. (Cl. 57—116.)



1. An automatic brake for hoisting devices, having a hoisting drum and a driving gear, a revoluble member positively connected with said drum and a second revoluble member positively connected with said driving gear, said revoluble members being mounted coaxially, coupling means between said revoluble members, said revoluble member connected to the drum, having projections for engaging said coupling means at a distance from its axis of rotation, said second revoluble member connected to the said driving gear, having projections for engaging the aforesaid coupling means at a greater distance from its axis of rotation than the first mentioned revoluble member, said coupling means having slight angular movement relative to said revoluble members in both directions from its idle position.

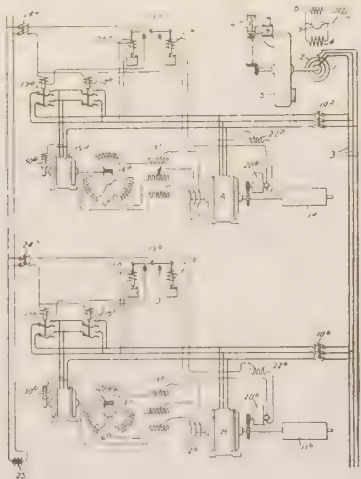
1,408,210. SIGN LETTER AND FRAME. ALEXANDER M. KNAUBER, Chicago, Ill., assignor to Chicago Electric Sign Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 28, 1919, Serial No. 320,397. Renewed Nov. 7, 1921. Serial No. 513,553. 5 Claims. (Cl. 40—140.)



3. A frame, for holding letters, having two parallel, horizontal upper and lower walls leaving an opening

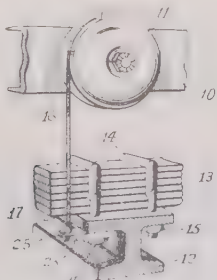
therebetween; horizontal, spaced-apart angle bars near the upper and lower edges of said opening, having horizontal legs inturned; bolts engaging said legs, for holding said bars in spaced relation; flanged face plates secured to the vertical legs of the angle bars, one above and one below the opening, the upper flange forming with the bar a groove and the lower flange providing means for supporting letter structures to close the opening.

- 1,408,211. SYSTEM OF SPEED REGULATION AND CONTROL OF INDUCTION MOTORS. HARRY A. LAYCOCK, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 8, 1919. Serial No. 316,239. 16 Claims. (Cl. 172—293.)



8. In combination, an induction motor having a phase wound secondary winding, a variable resistance in the secondary circuit of said motor, a source of electrical energy connected to the primary winding of said motor, means for arbitrarily regulating said source to change an electrical condition of the energy supplied to said motor, and speed regulating means responsive to said electrical condition of the source for automatically varying said resistance so that the speed of the motor is changed the same per cent as said electrical condition when the latter is changed.

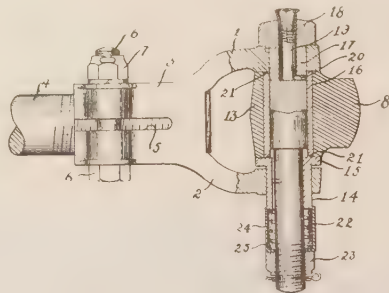
- 1,408,212. ANCHORING OR FASTENING DEVICE FOR CABLE ENDS. EDWARD L. LEINBACH, Chicago, Ill. Filed May 4, 1921. Serial No. 466,791. 9 Claims. (Cl. 24—123.)



7. In combination a cable, a tubular fitting encompassing one end of the cable and secured thereto, said fitting having a circumferentially enlarged portion, a clip like element, and means whereby the clip may be anchored, said clip having an opening therethrough provided with a reduced entrance extending through one edge of the

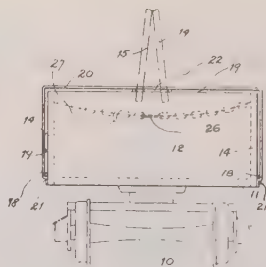
clip, said fitting adapted to be seated in the said opening with the enlarged portion seated against the clip, the diameter of the portion of the said fitting within the opening and on both sides of the clip being greater than the size of the said entrance opening, one face of the enlarged portion of the said fitting being convexed and the adjacent face of the clip encompassing the said opening being concaved to receive the said convexed portion.

- 1,408,213. ANTIRATTLING JOINT FOR STEERING GEARS. NATHAN A. LOCKE, Fulton, N. Y. Filed Feb. 7, 1920. Serial No. 356,977. 1 Claim. (Cl. 287—100.)



An anti-rattling joint comprising a member having arms formed with aligned bearings, a member having a hub located between said arm and having a cylindrical bore, a bushing located in one of the bearings and slidable axially therein, and thrusting against one end of the hub, a cylindrical pin extending through the other of said bearings, said hub and the bushing and a spring encircling the pin and pressing against the bushing, substantially as and for the purpose described.

- 1,408,214. FREIGHT-CAR BODY. FRANK LUSZCZYSZYN, Ludington, Mich. Filed Aug. 11, 1921. Serial No. 491,359. 3 Claims. (Cl. 105—258.)

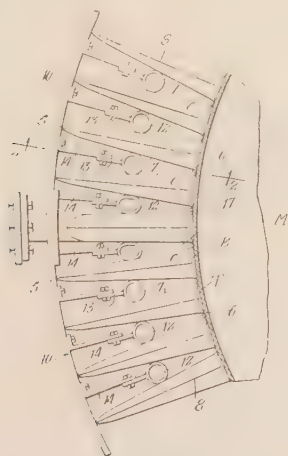


1. A car body structure comprising a floor, and walls rigidly engaged with said floor, guide bars spacedly engaged over the ends and tops of the said end walls, a pair of side walls disposed between end walls, and pins fixed in said side walls operatively engaging between said end walls and said bars permitting raising said side walls.

- 1,408,215. TRANSFORMER TANK. LEWIS G. MCCLINTOCK, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company, a Corporation of Pennsylvania. Filed Nov. 8, 1920. Serial No. 422,467. 7 Claims. (Cl. 220—71.)

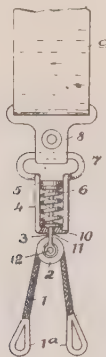
7. The combination of a tank having corrugated sheet metal sides forming a series of outwardly projecting

vertical corrugations, a series of vertically extending pipes held in place against the sides of adjacent corruga-



tions, a retaining band transversely supported across the ends of the corrugations, and adjustable supports carried by said retaining band and supporting the pipes.

1,408,216. BRACE. ARTHUR MAINKA, Seemühl, near Eickfler, Germany. Filed Dec. 14, 1920. Serial No. 430,792. 1 Claim. (Cl. 241-19.)

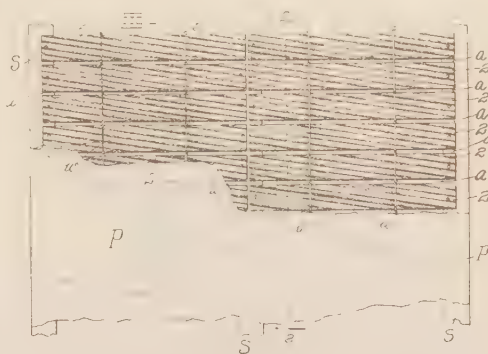


Improved braces comprising in combination with the shoulder straps and the strips to be attached to the trousers, and elastic connecting piece for said parts consisting of a curved bar at the upper end inserted in the end of the corresponding shoulder strap, a cylindrical casing downwardly projecting from said curved bar open at the top and having a central hole in its bottom plate, a spiral spring in said cylindrical casing, a rod in said cylindrical casing projecting through said hole in the bottom plate, a disc at the upper end of said rod resting upon the said spiral spring, and a pulley revolvably mounted in the lower end of said rod and carrying the strip to be attached to the trousers.

1,408,217. PLASTERING LATH. HENRY J. MARK, St. Louis, Mo. Filed Nov. 24, 1920. Serial No. 426,161. 1 Claim. (Cl. 20-13.)

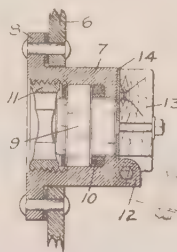
A plastering lath sheet comprising a succession of parallel laths spaced apart, each lath comprising an inner plane veneer backing strip and outer bounding corrugated veneer strips with corrugations disposed at

an angle to the longitudinal edges of the lath, and a plurality of parallel wire binders disposed across the



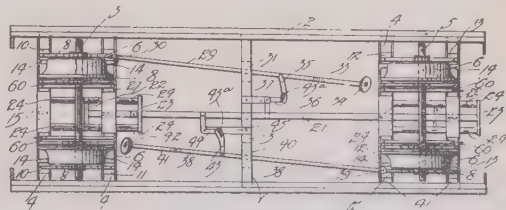
laths and wrapped around the successive laths and jointly coupling the same to one another, the whole forming a flexible sheet.

1,408,218. WATER GAUGE FOR TANKS. FREDERICK W. MARTIN, New York, N. Y. Filed July 24, 1919. Serial No. 312,946. 2 Claims. (Cl. 73-82.)



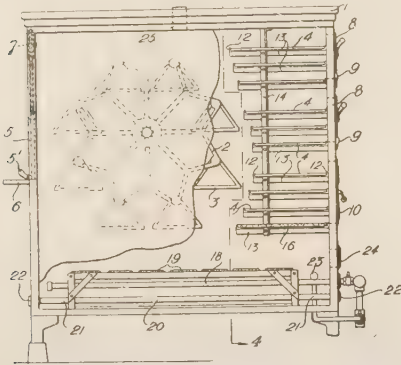
1. A liquid gauge for tanks, comprising a casing, a sight glass mounted in the outer end of said casing, a bracket integrally attached to its inner end, and a float pivoted on said bracket and having an indicating face and adapted to rise and fall with the level of the water adjacent the sight glass, said bracket having a stop for limiting the downward movement of the float.

1,408,219. BREAK-OF-GAUGE MECHANISM. JOHN HENRY MATTHEWS, Northcote, near Melbourne, Victoria, Australia. Filed Oct. 20, 1920. Serial No. 418,213. 12 Claims. (Cl. 104-33.)



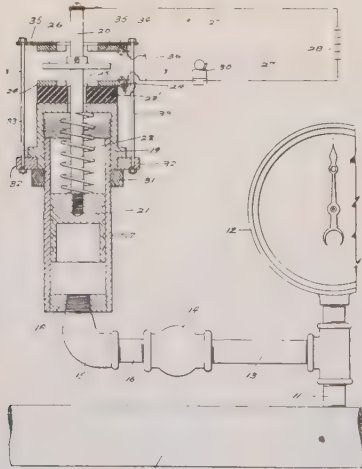
1. Break of gauge mechanism having sliding bars, means fitted to the undercarriage or frame of rolling stock and adapted to automatically release said sliding bars, means on the said bars carrying the wheel supports whereby the wheels and their supports are allowed to move inwardly or outwardly when interchanging from one gauge to another.

1,408,220. BAKING OVEN. DAVID R. MEEK, Westport, Conn., assignor to Meek Oven Manufacturing Company, Inc., Westport, Conn., a Corporation of New York. Filed June 18, 1921. Serial No. 478,467. 4 Claims. (Cl. 107—59.)



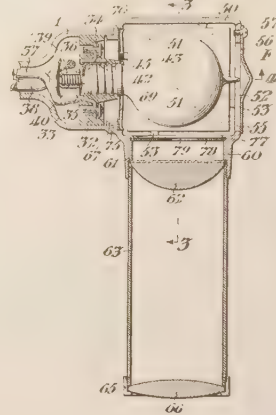
1. In a baking oven, the combination of an enclosure, a rotatable reel therein carrying hanging shelves, power actuated means for rotating said reel, a series of stationary shelves within said enclosure and extending vertically between said reel and a vertical side wall of said enclosure, doors for providing access to said reel and shelves, and means for heating said enclosure, the motion of said reel causing a circulation of the heated air within said enclosure and about said stationary shelves.

1,408,221. PRESSURE DETECTOR. GEORGE E. PENDERGAST, Washington, D. C. Filed Jan. 7, 1920. Serial No. 350,021. 3 Claims. (Cl. 200—82.)



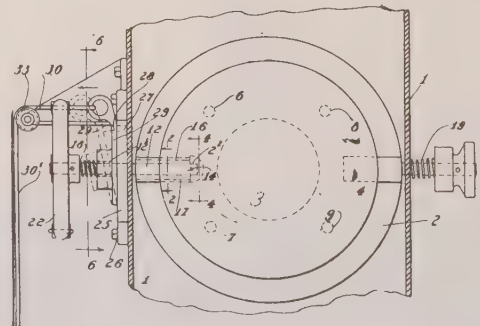
1. A device of the character stated comprising a casing open to the admission of fluid pressure, a piston including a piston rod mounted in said casing, said piston being responsive to change in fluid pressure, a cap adjustably mounted with respect to said casing and through which the piston rod is projected, a contact supported with respect to and insulated from said cap, means adjustable with said cap extended above said cap, a contact carried by said means and aligned with the first mentioned contact and a contact carried by said piston rod for contacting with one or the other of said contacts according to pressure within said casing.

1,408,222. SPOTLIGHT PROJECTOR. WILL R. PORTER, Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 15, 1919. Serial No. 290,280. 6 Claims. (Cl. 240—1.)



1. A spot-light projector having a lamp, and a universally jointed support for said lamp adjustable to dispose the axis of the lamp in different angular positions, a closed ventilated housing for said lamp rotatable about said axis, and carrying lenses with their axis intersecting the axis of said lamp, and imperforate baffle plates within said housing, spaced from the walls thereof and affording an air space surrounding said plates.

1,408,223. DAMPER. CHARLES F. RANDALL, JOSEPH T. CLARK, and JAMES T. SMITH, Springfield, Mass., assignors to Superior Damper Company, Springfield, Mass., a Copartnership. Filed May 16, 1921. Serial No. 470,138. 4 Claims. (Cl. 126—297.)

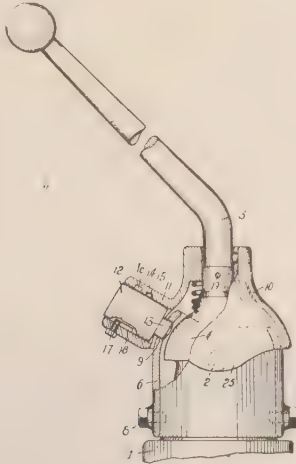


1. In a damper construction, the combination with a stove pipe, a damper located therein, shafts for pivotally supporting the damper in the stove pipe, means for retaining the damper in different angular positions of adjustments and for permitting its adjustment into these positions, said means comprising a plate connected to one of the shafts and mounted for movement thereon, a spring for moving the plate towards the stove pipe, a plate on the stove pipe, interengaging devices between the plates, whereby when the plate on the shaft is moved against the spring away from the stove pipe the damper may be adjusted, and when the spring moves it towards the stove pipe the damper is retained in its adjusted position.

1,408,224. EMULSION AND PROCESS OF MAKING THE SAME. CHARLES S. REEVE, Grantwood, N. J., assignor to The Barrett Company, a Corporation of New Jersey. Filed July 23, 1920. Serial No. 398,391. 5 Claims. (Cl. 134—1.)

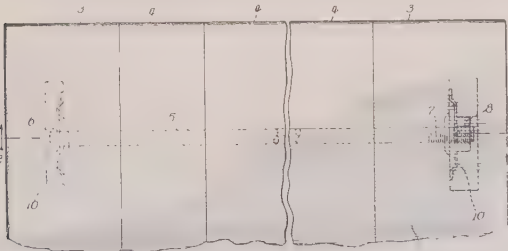
1. A composition of matter comprising bituminous material, argilliferous material, water and ammonium hydroxide.

1,408,225. LEVER LOCK. CHARLES W. RIBBLE, Toledo, Ohio. Filed Feb. 26, 1921. Serial No. 448,145. 3 Claims. (Cl. 70—128.)



1. In combination, a housing, a cross pin mounted in the upper part of the housing and having its ends projecting beyond the same, a shift lever mounted on the pin within the housing for universal shifting movements, a shell embracing the upper end of the housing and carried by the projected ends of the pin, said shell having an opening in its side wall, a member fixed to the lever and having a part overhanging the portion of the shell in which the opening is disposed, and locking means carried by the member for movement into and out of locking engagement with the shell opening and adapted to be locked to the member in either locking or released relation to the shell.

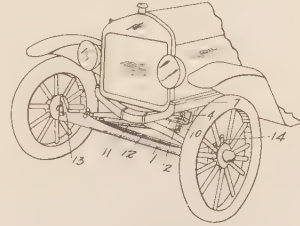
1,408,226. TABLE AND LIKE ARTICLE. EDGAR H. SHELDON, Muskegon, Mich. Filed Mar. 5, 1920. Serial No. 363,430. 1 Claim. (Cl. 45—31.)



A table provided with a top composed of a plurality of strips in combination with a bolt extending transversely through aligned apertures in said strips, the end-most of said strips having vertical elongated recesses communicating with said apertures and provided with arcuate top walls, one of said recesses being substantially T-shaped, said bolt having a head on one end and nut threaded on the other end arranged in said vertical recesses, and elongated bow-shaped spring washers in said recesses between the head and nut and the material of the adjacent strips, said washers having substantially

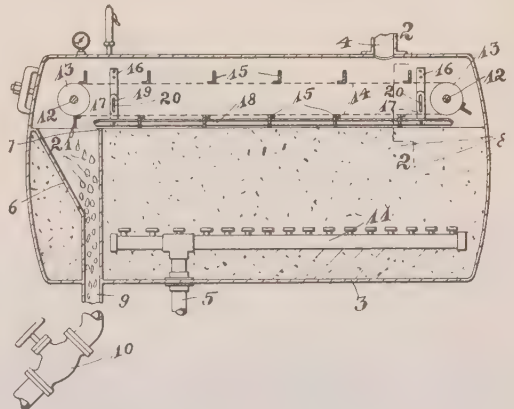
flat medial and end bearing portions, and each having an arcuate edge engaging the arcuate top walls of said vertical recesses.

1,408,227. AUTOMOBILE SAFETY APPLIANCE. FRANK SHEPIS, San Francisco, Calif. Filed Aug. 12, 1919. Serial No. 317,032. 3 Claims. (Cl. 280—89.)



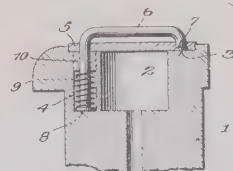
1. A safety appliance adapted for association with the steering gear of an automobile, comprising a plate having a recess therein in which the steering arm of said gear is adapted to reciprocate for limiting the movement of said gear, and being provided with means to adapt the plate to be secured to the crank case of the automobile, and an arm on said plate provided with means to adapt it to be secured to the frame of the automobile.

1,408,228. VACUUM-CLEANED FILTER. CHARLES W. SIRCH, Los Angeles, Calif. Filed May 2, 1919. Serial No. 294,242. 3 Claims. (Cl. 210—133.)



1. In a filter, an airtight casing, a receptacle and a filter bed within the casing, shifting mechanism disposed above the filter bed for shifting waste matter normally accumulating on the surface of the filter bed into the receptacle, and controlling means on the receptacle for holding and discharging the waste matter in the receptacle, the receptacle having such size as to cause vacuum in the filter bed when the waste is discharged from the receptacle.

1,408,229. DUST CAP FOR LUBRICATION NIPPLES. BERNARD H. SKELLY, Bridgeport, Conn. Filed Oct. 21, 1920. Serial No. 418,410. 1 Claim. (Cl. 134—95.)



The combination with a lubricating nipple having a smooth unbroken elongated bore of uniform diameter which communicates directly with the lubricant passage

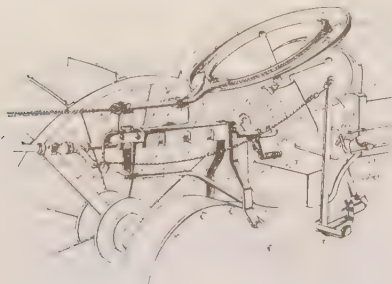
of the nipple, the outer end of said bore having a countersunk seat, of a cap adapted to conformably rest within said seat, and a spring tensioned pivotal support connected to the nipple outside said bore to which support said cap is secured, whereby the latter may be raised clear of the seat and swung to one side to permit of the introduction within said bore of a lubricant delivery device.

1,408,230. ANCHOR OR TIE FOR LOOP ENDS. GEORGE D. SLAYMAKER, Detroit, Mich. Filed May 19, 1921. Serial No. 470,883. 6 Claims. (Cl. 24—136.)



1. An anchor or tie for the purpose specified, having in combination, a pair of anchor sections adapted to engage together in wedging relation, the two said sections provided with two sets of opposed smooth and toothed surfaces whereby the linear members engage between these two sets of surfaces and tension in opposite directions will tend to draw the sections together when laid in the proper set of opposed surfaces.

1,408,231. CONTROLLING DEVICE FOR TRACTORS. ERIC N. SMITH, Hoytville, Ohio, assignor of one-half to Herbert H. Dillinger, Hoytville, Ohio. Filed Feb. 21, 1921. Serial No. 446,815. 7 Claims. (Cl. 180—77.)

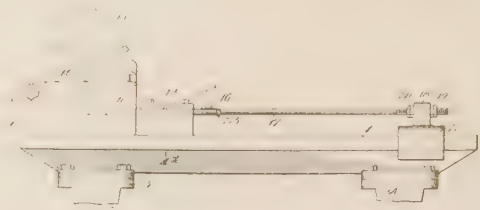


1. A control attachment for a tractor comprising a housing extending longitudinally of the tractor and having a side wall provided with slots, a shaft extending longitudinally through the housing and slidably and rotatably mounted, a pin carried by said shaft for entering said slots and releasably holding the shaft against longitudinal movement, a lever adapted for connection with a clutch pedal, an arm extending transversely from said shaft, a guide supported to one side of said housing, a line connected with said arm and lever and engaged by said guide, a carrier mounted upon said shaft and having limited rotary movement thereon, a strip pivotally carried by said carrier and having a reduced tongue extension at its free end for engaging a gear shifting lever, resilient means yieldably holding said strip in a raised position, and means for actuating a fuel control rod adapted for connection with the clutch pedal.

1,408,232. METHOD OF FORMING SHEET METAL. FRANK H. STOLP, Geneva, N. Y. Original application filed May 12, 1917, Serial No. 168,260. Divided and this application filed Apr. 9, 1918. Serial No. 227,458. 2 Claims. (Cl. 113—33.)

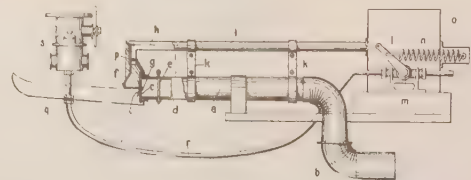
1. A method of forming tubing which consists in bending a sheet metal blank to bring its lateral edges into closer proximity, supporting its inner surfaces against collapse beyond the inside diametrical limits of the tube desired, supporting the outside surfaces of the blank against expansion beyond the outside diametrical limits of the tube desired, forming and interlocking the lateral edges of the blank by a longitudinal creasing operation

conducted progressively toward an end edge of the blank while the latter is so interiorly and exteriorly supported



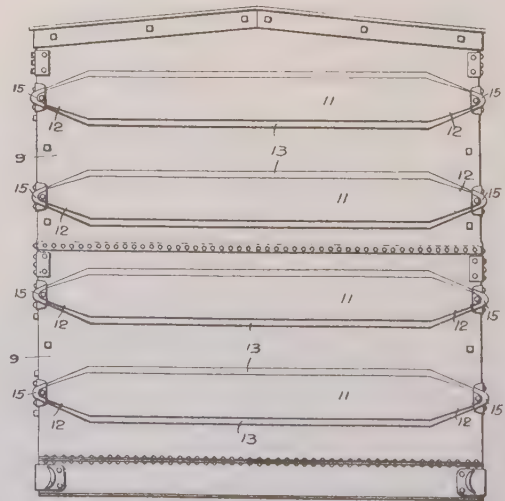
and opposing the longitudinal strain of the creasing operation by pressure against the said end edge of the blank.

1,408,233. AUTOMATICALLY-ACTING SAFETY DEVICE FOR USE IN CONNECTION WITH CARBURETORS OF MOTOR CARS, MOTOR BOATS, AND FLYING MACHINES. ERNST TEUBNER, Hohenneuen-dorf, Berlin, Germany. Filed July 30, 1921. Serial No. 488,585. 7 Claims. (Cl. 137—92.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. An automatically operating safety device intended for use in connection with carburetors that have caught fire, comprising a tube adapted to have one end arranged below and in proximity to the carburetor, a diaphragm consisting of an easily destroyable material, closing said end of said tube, a lever connected with the diaphragm, a fuel cock, another lever affixed to the fuel cock, a connection between said levers, and means adapted to turn the second-mentioned lever and close the fuel cock instantly after said diaphragm has been destroyed by burning fuel.

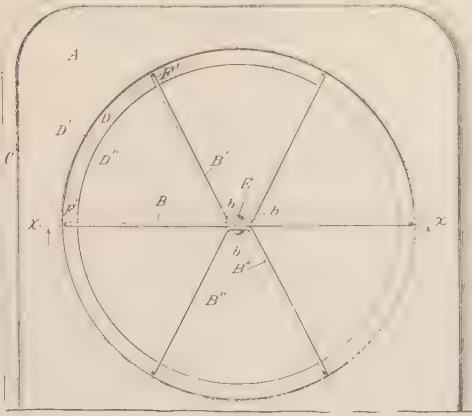
1,408,234. CAR END CONSTRUCTION. FREDERICK M. WHYTE, Tarrytown, N. Y. Filed Dec. 4, 1920. Serial No. 428,183. 8 Claims. (Cl. 105—410.)



1. A structural metal plate formed from a plane sheet and having panel portions spaced outward in a plane

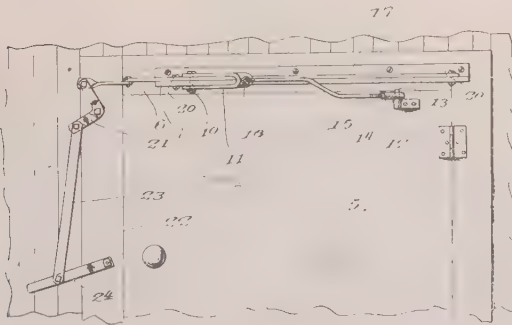
parallel with the main sheet and integrally connected thereto by the side portions of the panels, the ends of the panels being tapered in width, and of uniform depth.

1,408,235. GRATE FOR GAS AND OIL STOVES. LEWIS T. WILCOX, Peckskill, N. Y. Filed June 17, 1920. Serial No. 389,555. 6 Claims. (Cl. 126—214.)



1. A grate for gas and oil stoves and the like comprising a plurality of metal bars standing on edge and connected centrally to each other, with one bar extending across the grate so as to be supported at substantially diametrically opposite positions to relieve the strain at the point of connection between the same and the other bars which are substantially U-shaped and extend in radial directions from the point at which the bars are connected.

1,408,236. CLOSURE FASTENER. WILLIAM WILLIAMS, Dugger, Ind. Filed May 9, 1921. Serial No. 467,872. 6 Claims. (Cl. 292—265.)

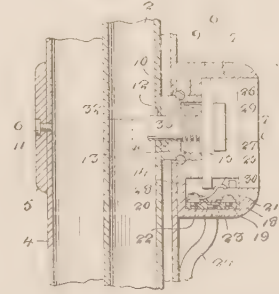


1. The combination with a swinging closure, of a keeper member having a longitudinal slot one edge of which is notched, a pin slidably seating in the slot and movable laterally to engage the notched edge thereof, a support for the pin slidably along the keeper member, an operative connection between said member and the closure, a shifter bar for the pin having a slot in which the pin slidably seats, and which slot is parallel to the slot of the locking member, and means for moving said bar laterally to force the pin into and out of locking engagement with the notched edge of the keeper member slot.

1,408,237. AUTOMOBILE LOCK. JAMES O. AKERS, Baltimore, Md. Filed May 29, 1920, Serial No. 385,232. Renewed June 25, 1921. Serial No. 480,460. 1 Claim. (Cl. 70—127.)

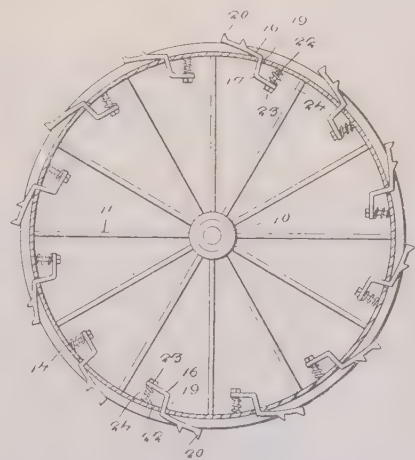
The combination with the steering post and column and the circuit of the ignition system of an automobile, said

post and column having openings therein; of a sleeve surrounding and secured to the column and provided with a socket and an opening communicating between the socket and the opening of the column, a block secured in the said opening having a concaved face to engage the post, and said block having an opening therethrough, a lock casing having its ends flanged in the socket and carrying a bolt, a stud in the casing projecting through the opening in the block, and designed to enter the opening in the steering post, spring means between the block and casing for influencing the same to an unlocking position, means for limiting the movement of the casing in



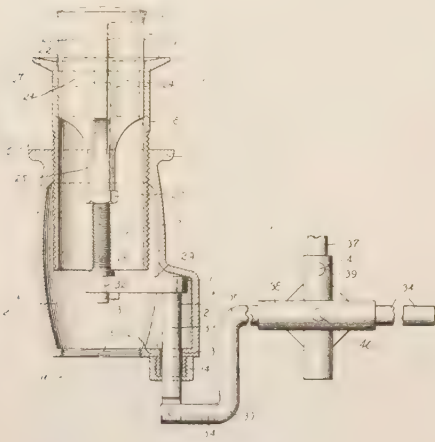
both directions, the socket having a depression communicating therewith, conductors for the ignition system entering the depression and insulated therefrom, a spring influenced normally open switch between the conductors in the path of engagement with the inner flange of the lock casing whereby, when the latter is moved outward of the socket to contact therewith and to close the circuit, means in the socket to engage the bolt of the lock casing when the latter is drawn into the socket to bring the lug thereof in engagement with the opening in the post, and the spring switch of the circuit designed to spring between the flanges of the casing when the latter is in its last mentioned position.

1,408,238. TRACTION WHEEL. CONRAD ALLES, Three Rivers, Calif. Filed May 17, 1921. Serial No. 470,371. 3 Claims. (Cl. 301—51.)



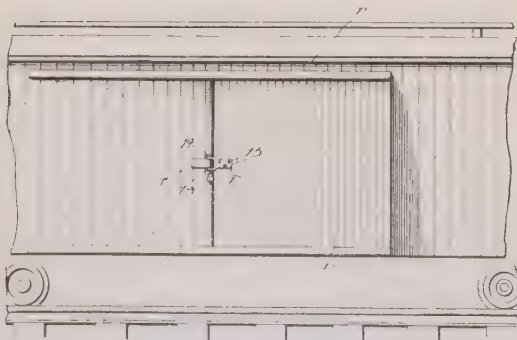
2. A traction wheel embodying a rim, an annular channel extending around the periphery of the rim and traction elements arranged within said channel, said elements embodying substantially Z-shaped members extending through openings formed in the wheel, spurs extending from the outer ends of said elements and means connected to the inner ends of the traction elements for yieldingly forcing the spurs into engagement with the ground.

1,408,239. POP-UP WASTE-VALVE MECHANISM. JAMES ALLINGHAM, Chicago, Ill. Filed June 22, 1921. Serial No. 479,566. 7 Claims. (Cl. 4—24.)



1. In a mechanism of the class described, the combination with a suitably mounted barrel-shaped valve casing having a chamber casing laterally extended therefrom, of a valve seated in the valve casing and arranged for vertical movement therein, a laterally disposed finger loosely connected to the valve and extended into said chamber, a vertically disposed rod secured to the finger and extended through a wall of the chamber casing for vertical movement therein, and a horizontally disposed lifting arm loosely secured to said rod for vertical movement of the same and the valve.

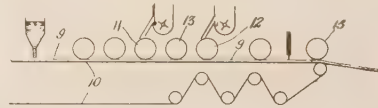
1,408,240. LATCH FOR SLIDING DOORS. EDWIN ELMER ALLSTATTER, Hamilton, Ohio. Filed Jan. 28, 1921. Serial No. 440,711. 2 Claims. (Cl. 292—207.)



2. A latch for sliding doors comprising a plate adapted to be secured to the side of a sliding door and having a terminal bent portion secured to the rear vertical edge of the door, a pair of aligned ears formed on the plate at the junction of the main body of the plate and the terminal bent portion, a locking tongue hingedly supported on said plate in such manner that its free end is adapted to abut and engage the side of the car to the rear of said rear vertical edge of the door, a keeper pin slidably mounted in said ears and having its upper end offset and its lower end provided with means for the reception

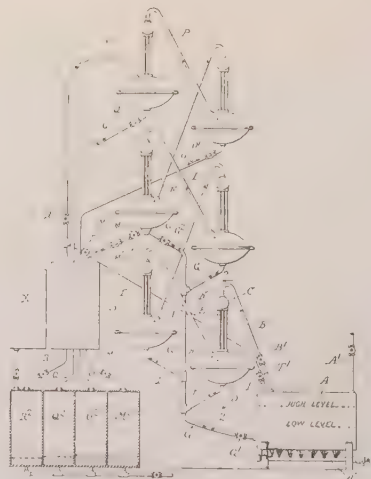
of a seal, and a collar fixed to the pin at such a point between said ears to allow the pin moving axially to disengaging position with respect to said tongue but to prevent complete removal of the pin from both ears.

1,408,241. FIBER-CEMENT COMPOSITION AND METHOD AND APPARATUS FOR FORMING SAME. ROBERT H. ANDERSON, Ambler, Pa., assignor to Asbestos Shingle, Slate & Sheathing Company, a Corporation of Pennsylvania. Filed Dec. 18, 1919. Serial No. 345,725. 16 Claims. (Cl. 18—48.)



1. A product comprising a body of hydraulic cement and fiber having coloring matter incorporated in it, and a surface layer comprising a different coloring matter pressed together with said body and integrally set therewith, said coloring matters cooperating to give the final surface color to the product.

1,408,242. PROCESS OF AND APPARATUS FOR THE DISTILLATION OF OIL. ARTHUR C. ARMSTRONG, Hammond, Ind. Filed Jan. 5, 1918. Serial No. 210,582. 6 Claims. (Cl. 196—25.)

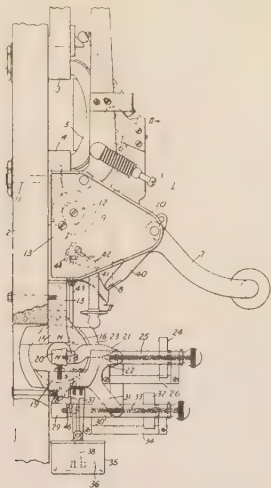


2. The process of distilling hydro-carbons which consists in vaporizing the liquid and passing it through a series of condensation zones, in returning for redistillation the condensate formed in some of the zones and in allowing the condensate from other zones to escape into a storage zone by gravity, against pressure substantially higher than that of the condensation zones.

1,408,243. TRIPPING DEVICE. WALTER M. AUSTIN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 19, 1918. Serial No. 240,852. 13 Claims. (Cl. 200—106.)

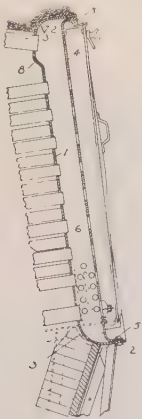
1. A reverse-current tripping device for a circuit interrupter comprising a current coil, a voltage coil, two magnetizable members inductively related to the current

coil, and a laterally movable armature disposed in the voltage coil, said magnetizable members severally com-



prising two poles one above the armature at one end of the voltage coil and one below the armature at the other end of the voltage coil.

1,408,244. BOILER. JOHN F. L. BAKER, Saginaw, Mich., assignor to The Wickes Boiler Company, Saginaw, Mich., a Corporation of Michigan. Filed Apr. 3, 1918. Serial No. 226,420. 1 Claim. (Cl. 122—360.)

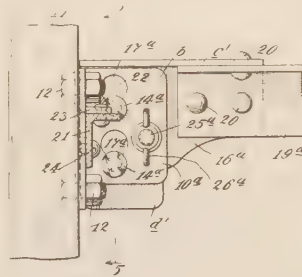


In a boiler, a flanged head, a tube sheet formed with outwardly flanged edges, that part of the sheet connecting the flange and the tube-receiving part of the sheet bent to the arc of a circle, the length of the radius of said arc being substantially equal to the distance between the tube-sheet and the head, said flanged head backed into the flange of said tube-sheet and riveted thereto, for the purposes set forth.

1,408,245. BEDSTEAD. AARON BARASHICK, New York, N. Y. Filed July 18, 1921. Serial No. 485,476. 2 Claims. (Cl. 5—55.)

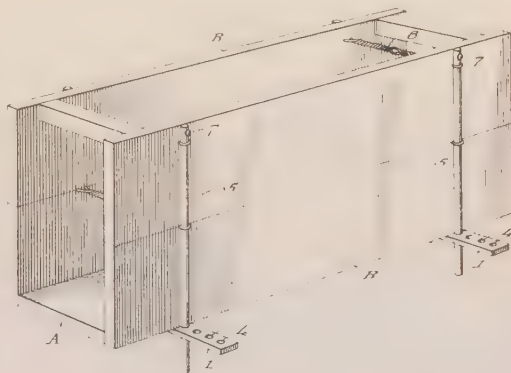
1. A locking means for bedsteads comprising an upright locking member having a vertical attaching flange adapted for attachment to an end piece of a bedstead and a vertical connecting flange extending transversely to said attaching flange and having its free vertical edge unobstructed, a lug projecting perpendicularly from the face of said attaching flange and providing a connection for one end of a transverse strengthening member, a co-operating locking member having a vertical attaching flange arranged to lie in surface engagement with the attaching flange of said first-named locking member, one

of said attaching flanges being provided with upright key-hole slots, headed studs upon the other attaching flange adapted to fit into said slots to lock said locking



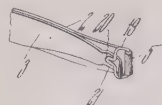
members together and a horizontal flange extending transversely to said second attaching flange and arranged to project over one of the horizontal edges of said first attaching flange.

1,408,246. CONCRETE MOLD. CLIFFORD A. BARR, Lincoln, Nebr. Filed Oct. 9, 1920. Serial No. 415,722. 2 Claims. (Cl. 25—131.)



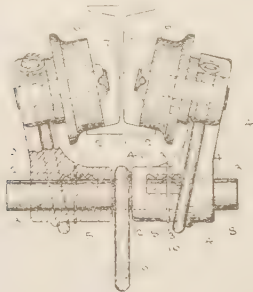
2. A device of the character described comprising a bottom support for a mold body provided with a plurality of openings, rods constituting side supports for the mold body and adapted for selective insertion through the openings in the bottom support whereby to permit lateral adjustment of the rods with respect to the bottom support to accommodate mold bodies of different widths; said rods being movable vertically through said openings to permit vertical adjustment of said rods with respect to the bottom support to accommodate mold bodies of different heights, and each of said rods provided with an opening for the reception of a nail or screw to hold the same in fixed position with respect to the mold body.

1,408,247. HAIR-CLASPING DEVICE. BLANCHE ELSIE BEADLE, Springfield, Mass., assignor of one-half to Russell A. Beadle, Springfield, Mass. Filed Nov. 17, 1920. Serial No. 424,718. 3 Claims. (Cl. 132—41.)



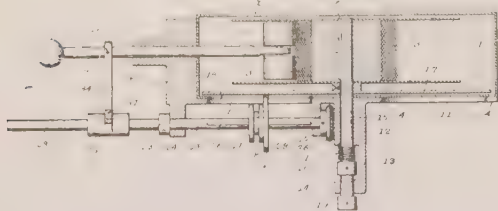
1. A hair-clasping device, comprising, an elongated strip of resilient material bent upon itself to form normally divergent arms, one of said arms being provided adjacent its free end with an eye, and a guard loop pivotally mounted in said eye and provided with an angular lip portion overlying and fitting closely against the outer surface of the free end of the other arm when turned into engagement therewith.

1,408,248. TROLLEY. WILLIAM E. BEE, Detroit, Mich., assignor to Palmer-Bee Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 30, 1921. Serial No. 518,761. 7 Claims. (Cl. 105—154.)



1. In a trolley, the combination with side frames, of a connecting pin secured to one of said side frames and extending through the other, a series of visible teeth upon said other side frame and extending longitudinally of said pin, a groove upon said pin for cooperation with said teeth, and a locking member extending transversely through said other side frame and engaging in said groove and the spaces between adjacent teeth.

1,408,249. TAKE-UP DEVICE FOR MOVING-PICTURE-FILM REELS. KARL H. BEISWENGER, Jackson, Mich. Filed Jan. 24, 1921. Serial No. 439,619. 5 Claims. (Cl. 242—55.)

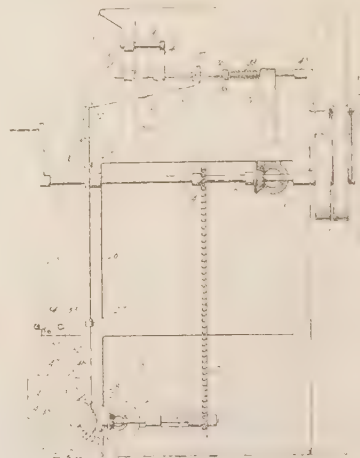


2. A structure of the character described comprising a casing having a radial slot in one wall, a bearing bracket having a slot registering with the slot of said casing, a driven shaft rotatably carried by said bracket, a friction disk slidable upon said driven shaft, a drum shaft rotatably and slidably carried by said bracket and extending into said casing for rotatably mounting a drum therein, a disk upon said last mentioned shaft within said casing and engaged by and rotated from the disk of said driven shaft, resilient means yieldably holding the drum carrying shaft against sliding movement to retain the disks carried thereby in frictional engagement with the disk of the driven shaft, and means for imparting sliding movement to the disk upon said driven shaft including disk-engaging means and a plunger slidably carried by said bracket and having operative connection with said disk-engaging means, said plunger extending into said casing for engaging film wound upon a drum mounted upon the drum-carrying shaft within said casing.

1,408,250. STOP MOTION. HARRY BERLIN, New York, N. Y. Filed July 29, 1920. Serial No. 399,752. 4 Claims. (Cl. 66—7.)

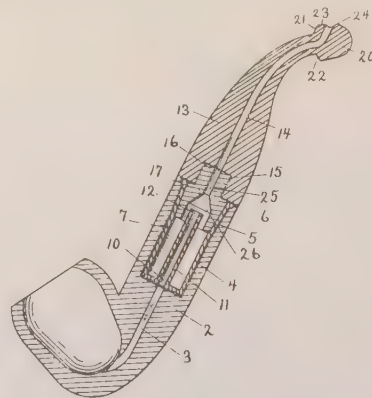
1. A stop motion comprising in combination with the power shaft of a knitting machine, a revoluble disk driven from said power shaft, a rigid finger carried by said disk, a second revoluble disk mounted adjacent the first-mentioned disk, means carried by said second-mentioned disk for engagement with the rigid finger of the first-mentioned

disk, means for operating said second-mentioned revoluble disk to move the said finger-engaging means into the path



of the finger carried by the first-mentioned revoluble disk, and means operated by the second revoluble disk for cutting off the power of said machine.

1,408,251. SMOKER'S PIPE. RAYMOND L. BESLIN, Omaha, Nebr. Filed Mar. 27, 1919. Serial No. 285,447. 1 Claim. (Cl. 131—12.)

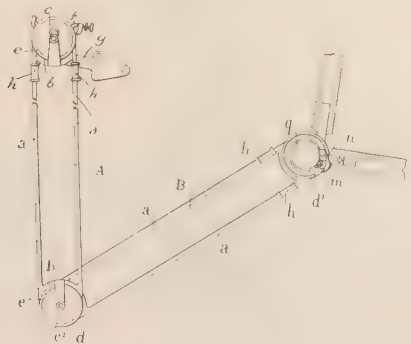


In a smoker's pipe, a stem, a mouth piece, said stem having a smoke passage therein and having an enlarged recess in its inner end opening into the smoke passage, and concentric thereto, said mouth piece having a tapering plug adapted to fit in the recess of the stem and the plug provided with an opening in its outer end communicating with the passage through the mouth piece, and a thimble fitting removably in said recess of the stem and extending throughout the depth of the recess and provided with a flared open end into which said plug of the mouth piece is adapted to wedge for binding the thimble in the stem and for binding the plug in the thimble, said thimble provided with a trap pipe concentrically arranged therein and opening through the bottom thereof into communication with the smoke passage in the stem, and said trap pipe being of sufficient length to project into the opening of the plug whereby saliva passing through the mouth piece is adapted to flow from said plug into the thimble and smoke rising through the stem is adapted to pass freely from the end of said pipe into the mouth piece.

1,408,252. DRAWING APPARATUS UTILIZING PARALLEL MOVEMENTS. MARCEL BIEUVILLE, Bellevue, France. Filed Oct. 26, 1920. Serial No. 419,766. 3 Claims. (Cl. 33—79.)

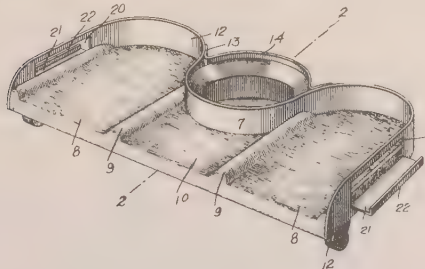
1. A drawing apparatus utilizing parallel movements comprising a drafting board, a pulley, means for securing

said pulley in fixed position on said drafting board, a pair of pulleys rotating on the same axis, an arm adapted to pivot on the axis of the fixed pulley, and connecting the fixed pulley and one of the pulleys of said pair, another pulley, a drafting instrument carried thereby, an arm connecting said last named pulley and the second pulley



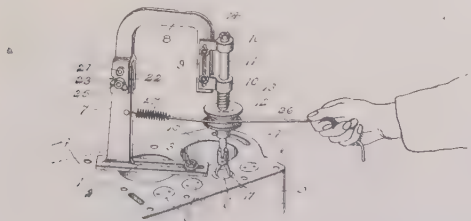
of the pair and adapted to pivot on the axis of each of said pulleys, an endless band passing over the fixed pulley and the first of the pair of pulleys, and another endless band passing over the second of the pair of pulleys and the pulley carrying the drawing instrument, each of said arms encasing its said endless band.

1,408,253. SCRUBBING DEVICE. GEORGE A. BLANK, New York, N. Y. Filed Aug. 24, 1921. Serial No. 404,864. 1 Claim. (Cl. 155—167.)



A scrubbing device comprising a platform, upholstered kneeling portions formed on said platform, castors for removably supporting said platform, a flange defining three edges of the platform, said flanges being curved inwardly of the platform intermediate of its ends, and a strap secured to the flange and bent oppositely to the inwardly curved portion thereof, said strap and inwardly curved portion of the flange serving to support a cleaning fluid receptacle, as and for the purpose set forth.

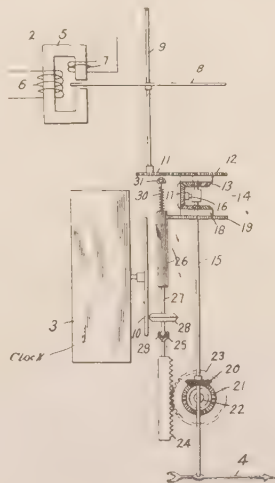
1,408,254. VALVE GRINDER. JENS BLINKILDE, Detroit, Mich. Filed Mar. 15, 1920. Serial No. 365,817. 3 Claims. (Cl. 51—29.)



1. In a device of the character described, the combination of a supporting frame comprising a base, a post and

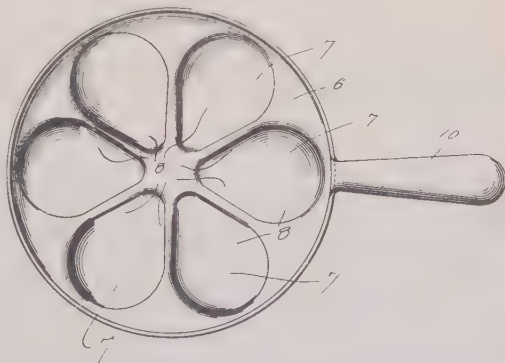
an arm pivotally attached to the post, a vertical shaft mounted in bearings on the free end of the arm, means for turning the shaft, a tool for engaging and turning a valve, and a member connecting said tool and lower end of said shaft, said member being connected to said shaft by a transverse pivot and to said tool by a transverse pivot extending at right angles to the other pivot.

1,408,255. DEMAND METER. CLARENCE A. BODDIE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 9, 1916. Serial No. 119,235. 10 Claims. (Cl. 171—34.)



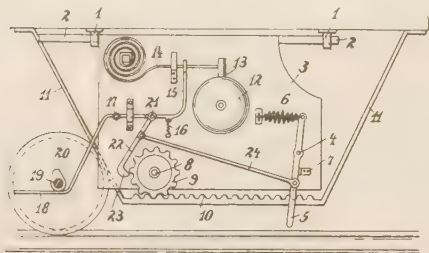
1. In a demand meter, the combination with an electro-responsive device and a constant-speed device, of a pointer operatively connected to the electro-responsive device, and means interposed between the electro-responsive device and the constant-speed device whereby the electro-responsive device and the timing mechanism co-operate to cause the pointer to indicate the logarithmic-average value of the power traversing the electro-responsive device.

1,408,256. COOKING UTENSIL. MARY JOHANNAH BOEHL, Cheney, Wash. Filed Apr. 19, 1919. Serial No. 291,306. 2 Claims. (Cl. 53—7.)



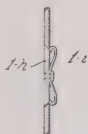
1. A cooking utensil having a plate provided with substantially ovate depressions having the containing surface concaved so that the depressions will conform substantially to the shape of a spoon, the longer dimensions of the depressions being radially disposed and the depressions being separated to provide reinforcing ribs and a central portion from which the ribs radiate.

1,408,257. ALARM DEVICE FOR LOCOMOTIVES. FRITZ BÖHM, Rothenbach, Germany. Filed Oct. 26, 1921. Serial No. 510,660. 1 Claim. (Cl. 246—174.)



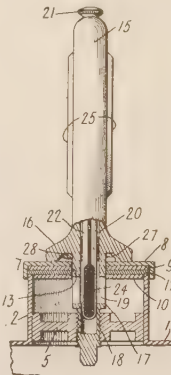
An improved alarm device for locomotives adapted to be operated by an abutment lever arranged on the line and raised or lowered from the line signal comprising in combination a guide rod fixed under the locomotive, a vertical plate movably mounted upon said guide rod, an alarm bell fixed upon said plate, a clapper for said alarm bell, a two-armed lever pivotally arranged upon said plate so that its upper arm can operate said clapper, a cam upon the axle, a wheel of the locomotive, the lower arm of said two-armed lever arranged so that it is acted upon by said cam when said plate has been moved to the left, a spring influenced abutment lever pivotally fixed upon said plate so that its lower end projects over the lower edge of the plate and can be pushed to the left by the abutment lever on the line, whereby the plate is moved to the left, a rack below said plate, arms for fixing said rack to the locomotive, a toothed wheel revolvably mounted upon said plate so that it meshes with said rack, a pawl lever pivotally mounted upon said plate hinged at the upper end of the upper arm of said two-armed lever, the pawl and the lower end of said pawl lever engaging with said toothed wheel and a rod connecting said pawl lever with said abutment lever of the plate so that it is brought out of engagement with said toothed wheel when the abutment lever of the plate is shifted by said abutment lever of the line and brought in engagement with said toothed wheel when said abutment lever of the plate is released again.

1,408,258. WHEEL CONSTRUCTION. BURTON R. BOLENBAUGH, CYRUS BOLENBAUGH, RAY S. BOLENBAUGH, and LAURENCE W. LONG, Jackson, Mich., assignors of one-sixth to Arthur Paulson, New York, N. Y., one-sixth to Laurence W. Long, Jackson, Mich., one-sixth to Hugh E. Keeler, Ann Arbor, Mich., one-sixth to Lewis H. Flynn, Albany, N. Y., and one-third to Burton Roy Bolenbaugh, Cyrus Bolenbaugh, and Ray Sanford Bolenbaugh. Original application filed Oct. 2, 1920. Serial No. 414,200. Divided and this application filed Feb. 19, 1921. Serial No. 446,490. 1 Claim. (Cl. 301—63.)



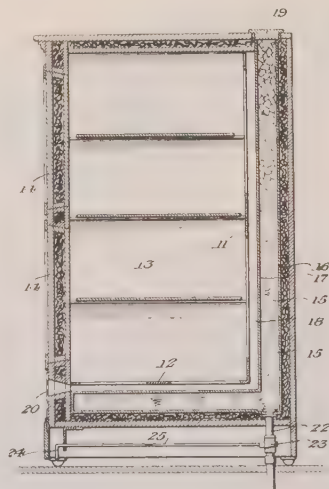
A wheel disk provided with a main opening extending directly between opposite sides of the disk to afford access to the inflating valve of a tire, in combination with a removable plug-disk adapted to be seated in said opening and having a spring at its inner side to engage the wheel disk and yieldingly hold the plug-disk against casual displacement, said spring having a rounded end to snap past the wall of the wall of the opening and to engage the inner side of the disk on the insertion of the plug-disk.

1,408,259. TEMPERATURE-INDICATING INSTRUMENT FOR AUTOMOBILE ENGINES. HARRISON H. BOYCE, Forest Hills, N. Y. Filed July 25, 1916. Serial No. 111,110. 10 Claims. (Cl. 73—52.)



1. The combination with an automobile radiator provided with a filler spout having a part fixed with relation thereto, of a cap for closing said spout, and a temperature indicating instrument mounted on said cap and having a part including the temperature responsive element of the instrument extending into said spout and adapted to be brought into locking engagement with said fixed part thereof for fastening said cap to said spout.

1,408,260. REFRIGERATOR. RUSSELL H. BREMER, Reading, Pa., assignor of one-third to George H. Rice, Arlington, Vt. Filed Dec. 7, 1921. Serial No. 520,645. 2 Claims. (Cl. 217—5.)

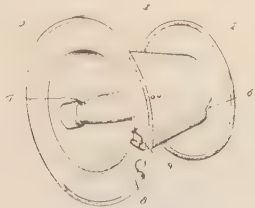


1. A refrigerator embodying a casing, a partition spaced from the walls of the casing and having openings therein and providing a food chamber, an ice compartment located between and spaced from the walls of the food chamber and casing and providing an air circulating passage between said food chamber and ice compartment, said ice compartment having a filling opening therein, a closure for the opening and means whereby air may be admitted to the air passage.

1,408,261. HOLDER FOR CLOTHESLINES AND THE LIKE. CHARLES B. BROOKHART, Cleveland Heights, Ohio. Filed Sept. 25, 1920. Serial No. 412,758. 4 Claims. (Cl. 242—96.)

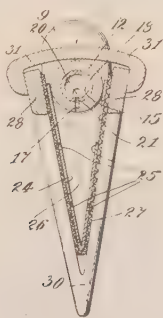
2. In a device of the character described, the combination with a hollow flanged spool, adapted to have a line or the like wound thereabout, of a handle attached to said

spool transversely of the axis and adjacent one end thereof, for bracing the same and permitting free manipulation



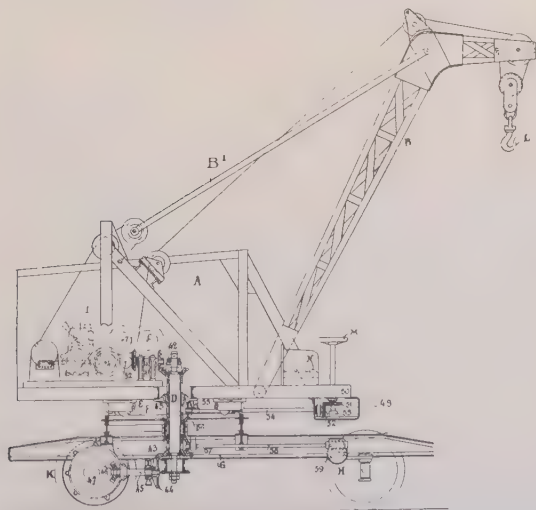
thereof, and means adjacent the respective ends of said spool adapted to engage and retain such line.

1,408,262. FOUNTAIN COMB: JOSEPH BRUECK and NORBERT SALTER. New York, N. Y. Filed Aug. 15, 1921. Serial No. 492,607. 8 Claims. (Cl. 132—13.)



1. A fountain comb, comprising a hollow handle provided with means for holding a liquid to be applied to the hair, a barrel carried by said handle, a valve member revolvably fitted into said barrel for the purpose of controlling the flow of said liquid from said barrel, a comb frame carried by said barrel and provided with teeth, an absorbent member carried by said comb frame, and a distributing trough located within said comb frame and engaging said absorbent member in order to hold said absorbent member in a predetermined position relative to said barrel, for the purpose of enabling said valve to discharge said liquid and thus to deliver the same to said absorbent member.

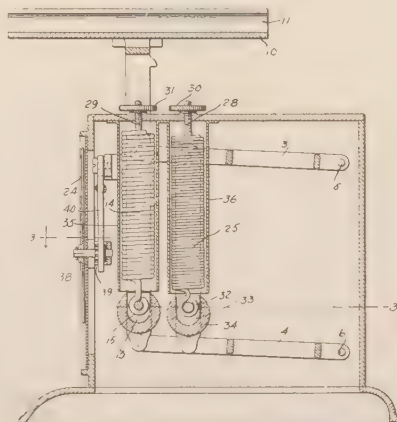
1,408,263. SELF-PROPELLING TRAVELING CRANE. GAËTAN BRUN, Paris, France. Filed Sept. 30, 1919. Serial No. 327,591. 3 Claims. (Cl. 212—38.)



1. The combination with a motor vehicle, a revoluble crane disposed upon the said vehicle and an engine mount-

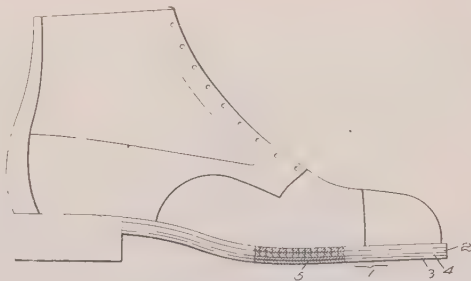
ed on the said crane, of a stationary centering pivot having the crane revoluble thereupon, a movable sleeve disposed upon the said centering pivot, the upper end of the said sleeve being connected with the engine by suitable power transmission means, and means connecting the lower end of the said sleeve with the driving wheels of the vehicle.

1,408,264. SCALE. FREDERICK A. BURKHARD, New York, N. Y. Filed June 20, 1921. Serial No. 479,153. 6 Claims. (Cl. 265—68.)



1. In a scale of the character described, a dial face having a plurality of graduations thereon, a single hand moving over said dial face and provided with ends or pointers for each of the graduations, a counter-balancing or weighing spring for each of said pointers, and means for selectively controlling which spring shall be operated.

1,408,265. FOOTWEAR AND METHOD OF MAKING THE SAME. JOSEPH J. BYERS, Brookline, Mass., assignor, by mesne assignments, to Rajet Company, a Corporation of Massachusetts. Filed Jan. 10, 1917. Serial No. 141,666. 17 Claims. (Cl. 12—142.)

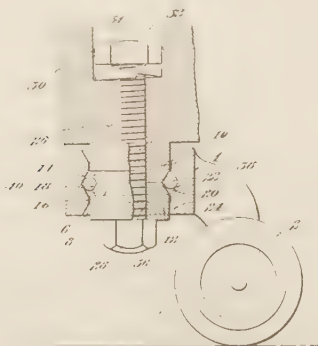


3. As a new article of manufacture, a boot or shoe or other article of footwear having an outer wear-resisting member secured to the under side of the footwear article and comprising a plurality of layers of chrome-tanned leather impregnated throughout with a cement including a cellulose derivative and a non-oxidizing oil and cemented together by an element containing similar materials.

1,408,266. BALL BEARING. CHARLES EDWARD CAMPBELL, Lynn, Mass. Filed Nov. 22, 1919. Serial No. 340,046. 2 Claims. (Cl. 64—49.)

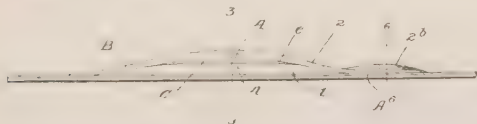
1. A ball-bearing for supporting heavy articles comprising an outer rotatable member having a central opening and a V-shaped raceway extended around the wall of the opening, an inner stationary member comprising a threaded shaft, two collars screwed thereon having adjacent ends bevelled and in abutment to form a second V-shaped raceway, and a set of balls received within both raceways, said collars being of sufficient length to extend beyond the top

and bottom of the outer rotatable member to thereby permit the inner stationary member to be rigidly clamped to the article to be supported by the bearing and to also



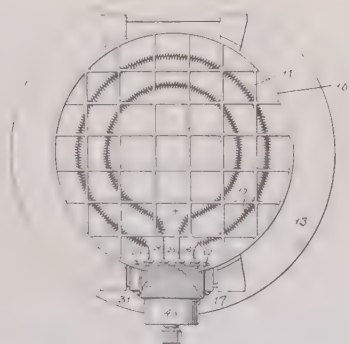
afford clearance between the outer rotatable member and the article to be supported so that the weight of the article is transmitted to the outer member solely through the balls.

1,408,267. ARCH SUPPORT. ROCCO CATERINI, Archbald, Pa. Filed July 23, 1920. Serial No. 398,471. 3 Claims. (Cl. 36—71.)



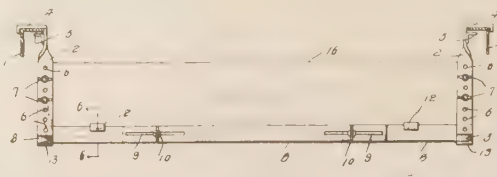
1. An arch support comprising an insole, a pad of cushioning material extending longitudinally on the insole and having a pocket open at one side, the upper and lower walls of said pocket having opposed recesses, and a removable insert adapted to fit in said pocket, said insert having projections on its opposite sides adapted to engage said recesses.

1,408,268. ELECTRIC APPLIANCE. HOYT CATLIN, Bridgeport, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Mar. 26, 1920. Serial No. 368,952. 7 Claims. (Cl. 219—37.)



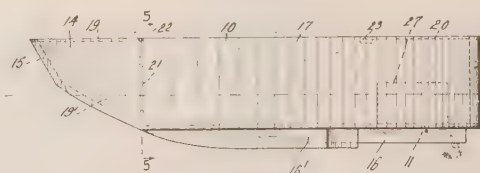
4. A switch for electric heating appliances comprising a connection block, terminals thereon for the resistance coils of the heating appliance, means for mounting said block on the heating appliance, in combination with an independent switch base recessed on its lower face to accommodate said block, and means for connecting the terminals on the block to the terminals of the switch.

1,408,269. DRAWER ATTACHMENT FOR BEDS. CHRIST CHRISTENSEN, Kenosha, Wis. Filed Mar. 30, 1921. Serial No. 457,160. 3 Claims. (Cl. 5—41.)



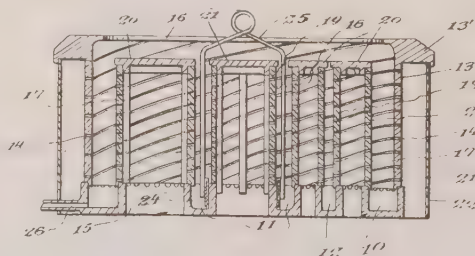
1. In a bed, means for supporting a drawer beneath the bottom thereof comprising spaced bars, and drawer rests provided at intervals in their length with hooks for engaging over the upper edge portions of the bars and retaining the rests in position.

1,408,270. MARINE VESSEL. JULIUS C. CHRISTIANSEN, New York, N. Y. Filed June 28, 1920. Serial No. 392,330. 4 Claims. (Cl. 114—63.)



1. A marine-vessel including a hull having a straight bottom from its vertical stern post to a transverse plane where the midship body joins the bow section of the hull said bottom being inclined upward from said plane to the stem of the bow, the sides of said hull being straight from the bottom up.

1,408,271. OIL BURNER. HARRY M. DAHL, Yoakum, Tex. Filed June 4, 1921. Serial No. 474,928. 1 Claim. (Cl. 158—87.)

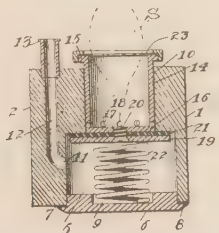


A liquid and gaseous fuel burner comprising a pan having inner and outer concentric channeled rings and connecting channeled arms disposed in the same plane. the spaces between the arms and rings providing air passages, vertical casings disposed over the said spaces and having spirally arranged slots in their enclosing walls, removable caps on the casings, an outer surrounding casing having slots arranged spirally therein, the upper edge portions of the walls of the channels of the arms and rings being formed with a series of transverse notches for passage of air, and an enclosing imperforate shell disposed around the outer casing and outer ring and spaced from the wall of said casing to provide an air space.

1,408,272. AUTOMATIC SYRINGE FILLER. WEBSTER J. DALY, Los Angeles, Calif. Filed Mar. 3, 1920. Serial No. 362,955. 4 Claims. (Cl. 226—27.)

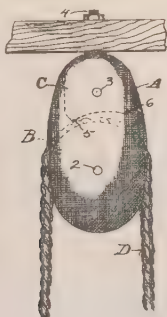
1. A syringe filling device consisting of a body having a reservoir therein, a well extending from the reservoir through the top of said body, said well being of a

size to receive the nozzle of a syringe within it, and a vertical liquid feed conduit in the body having its lower end communicating with said reservoir; and a valve



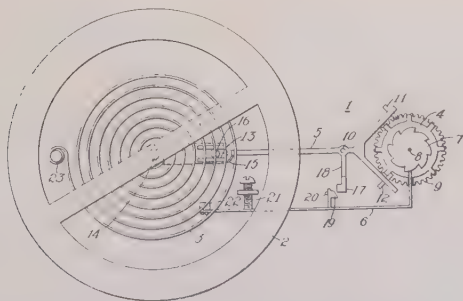
disposed so as to close communication between the reservoir and the well in response to pressure exerted upward from the well, said valve permitting liquid to flow from the reservoir into the well when it is depressed.

1,408,273. TACKLE BLOCK. CHARLES E. DAVIS, Battle Creek, Mich. Filed Nov. 11, 1920. Serial No. 423,336. 3 Claims. (Cl. 188—65.)



1. A tackle block comprising a shoe adapted to be rigidly attached to a fixed support, side members pivotally suspended from said shoe, a pulley journaled below said shoe between said side members, said shoe having a toe in close proximity to the periphery of said pulley and adapted to engage a rope strung over said pulley when strained in a direction toward the heel of said shoe, substantially as set forth.

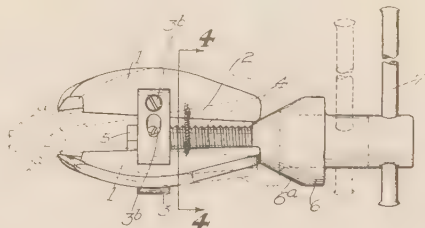
1,408,274. ELECTRIC CLOCK. LEO DORFMAN, Wilkensburg, Pa. Filed Jan. 30, 1920. Serial No. 355,273. 6 Claims. (Cl. 58—121.)



1. A controlling device for a clock comprising an oscillating member, an escapement device, a ratchet wheel

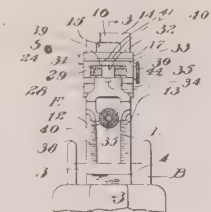
actuated with the escapement device, and energy-storing means controlled by the ratchet wheel and adapted periodically to transmit energy to the oscillating member through a member of the escapement device.

1,408,275. WRENCH. NOBLE ECKLES, San Diego, Calif., assignor of three-fourths to Lewis W. Rhode, San Diego, Calif. Filed Oct. 13, 1920. Serial No. 416,621. 3 Claims. (Cl. 81—113.)



1. A carriage bolt head wrench, including an annular disc-shaped supporting member provided with notches extending inwardly radially from the periphery, a plurality of levers pivotally mounted intermediate their ends in said notches on said supporting member, each provided with a sharpened extended longitudinal engaging point, a screw member with one end secured to said supporting member with one end extending outwardly between the extended ends of said levers and a frusto cone shaped member adapted to screw on said screw member whereby the inclined portion of said frusto cone shaped member will engage and spread the extended end of said levers.

1,408,276. GUN SIGHT. THEODORE H. EICKHOFF, Cleveland, Ohio, assignor to Auto-Ordnance Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 22, 1920. Serial No. 432,433. 13 Claims. (Cl. 33—55.)

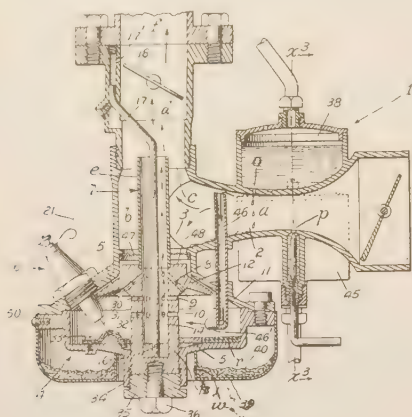


1. A gun sight consisting of a base, a leaf pivoted to the base, said leaf having notches therein, a yielding detent slidably mounted on the base for engaging the notches, a slide mounted for adjustment on the leaf, yielding means for securing the slide in adjustment, an eye-piece adjustably carried by the slide, and a positive operating means for adjusting the eye-piece.

1,408,277. METHOD OF AND MEANS FOR PRODUCING EXPLOSIVE MIXTURES OF AIR AND FUEL. ORVILLE H. ENSIGN, Pasadena, Calif. Filed July 5, 1917. Serial No. 178,869. 24 Claims. (Cl. 48—107.)

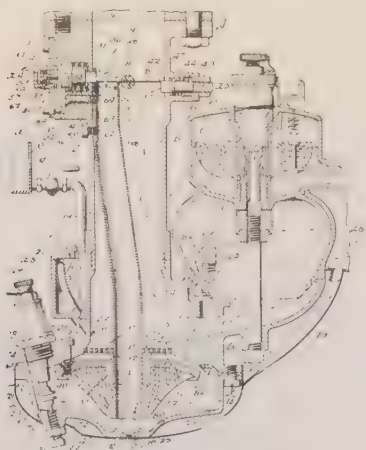
1. The method set forth of producing explosive from air and low-grade liquid fuel which consists in first producing a mixture of air and such low grade fuel in proportions adapted to complete combustion, continuously combusting a portion of such combustible mixture and

thus producing an increment of hot fixed gas and returning such portion in such gaseous form to the remain-



der of said combustible mixture, thus producing a final explosive mixture before introducing the same to the place of final combustion.

1,408,278. ART OF AND MEANS FOR LIQUID-FUEL CONVERSION. ORVILLE H. ENSIGN, Pasadena, Calif. Filed Dec. 29, 1917. Serial No. 209,593. 22 Claims. (Cl. 48—107.)

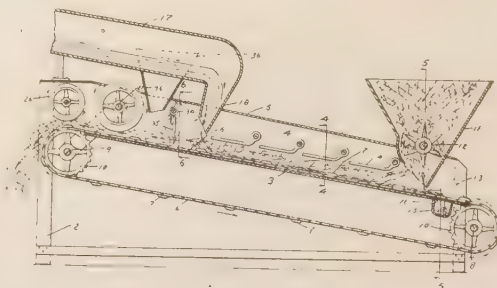


1. In a fuel converter, means for preparing explosive mixtures of air and liquid fuel for combustion, comprising metering means whereby the air and liquid fuel may be supplied in proportions adapted to complete combustion, and measurably mixed; a passage to receive air and fuel from the metering means; means to divert the heavy constituents of the liquid fuel with some air from said passage; a combustion chamber to receive such diverted fuel and air; means to ignite the fuel in said chamber; means including a flue to conduct the products of combustion from the combustion chamber to said passage beyond the place of diversion; and common throttle means to control the flow through said passage and the flue.

1,408,279. FILTERING APPARATUS. LEO EWALD, Minneapolis, Minn. Filed Dec. 15, 1919. Serial No. 344,906. 12 Claims. (Cl. 210—197.)

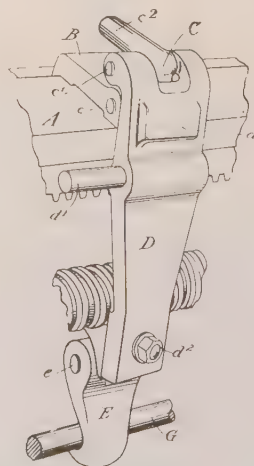
1. A machine of the class described comprising an inclined table having a closed floor, an apron operating thereover, means for delivering a fibrous material to the

lower portion of said apron, means near the upper end of said table for delivering the sewage in liquid form to said fibrous material while moving with said apron, and



means for subjecting the fibrous material and sewage mixed therewith to pressure to squeeze the moisture therefrom, the liquid flowing lengthwise through said fibrous material to the lower end of said table.

1,408,280. DETACHABLE SUPPORT FOR HORIZONTAL SHAFTS OF MACHINES. HARRY W. FAHLANDER, Hamilton, Ohio, assignor to The Houston Stanwood & Gamble Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Jan. 13, 1921. Serial No. 436,929. 2 Claims. (Cl. 82—34.)

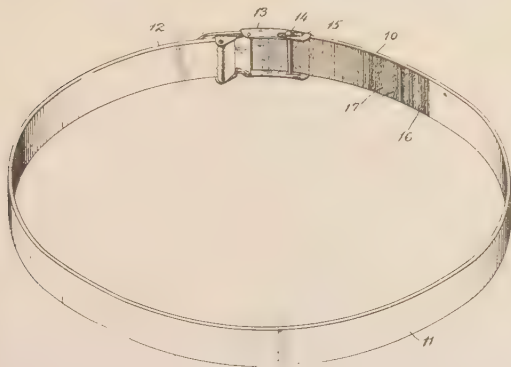


1. A detachable support for substantially horizontal shafts of machine tools, having in combination a member adapted to rest upon the machine bed and carry the weight of the support and its load, means for supporting said shafts, and a link connecting the weight carrying member and the shaft supporting member in such manner that by the change of the position of the link the latter will raise the supporting member to work position or lower it to idle position.

1,408,281. STRAP FASTENING. JOHN M. FAILEY, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Sept. 30, 1919. Serial No. 327,499. 3 Claims. (Cl. 241—8.)

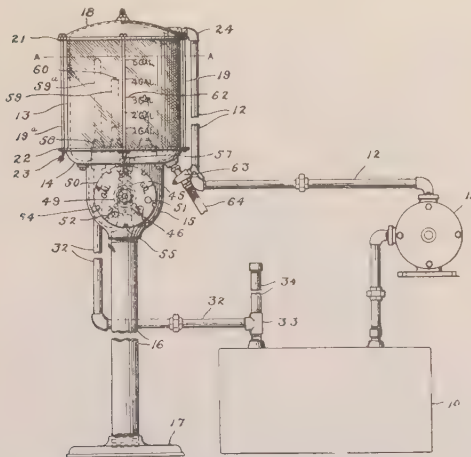
1. In an apparel belt, the combination of a strap having a smooth surface extending around its inner circumference to the belt tongue, permitting a sliding of the

belt on a garment, and having a tongue end permanently formed with a roughened inner surface, and a buckle



having a clamping member adapted to engage and compress said roughened surface.

1,408,282. MECHANICAL MEASURE. BERNARD P. FALTIN, Philadelphia, Pa. Filed Mar. 1, 1921. Serial No. 448,760. 7 Claims. (Cl. 221—100.)

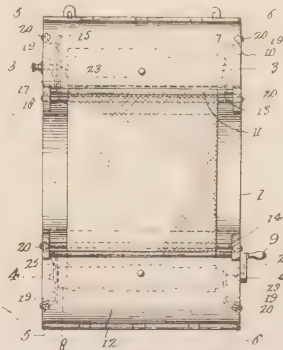


1. In a mechanical measure the combination with a storage tank and means for drawing a supply therefrom, of a tank having a dished base and sealable cover, a fixed member mounted within and in spaced relation to the dished base, said fixed member having openings therethrough and one of said openings registering with a return connection to the storage tank, a disc valve having up-standing measuring tubes of different heights and apertures thereunder adapted to be brought into individual alignment with the aforesaid return connection, means for rotating the disc valve and indicating the quantity of liquid to be measured, and a valve controlled discharge for the tank whereby the measured quantity is drawn off.

1,408,283. ROLLER-TOWEL CABINET. GUY W. FERDON, Cresskill, N. J. Filed Mar. 24, 1921. Serial No. 455,063. 9 Claims. (Cl. 45—32.)

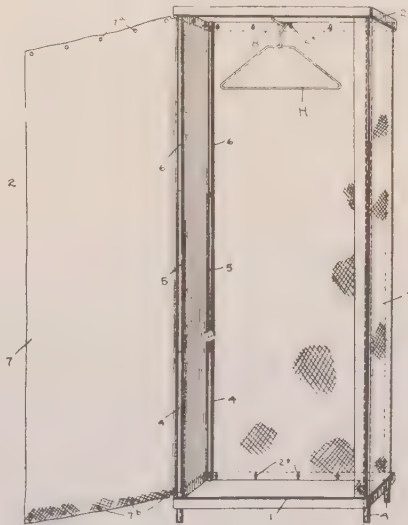
1. A roller towel cabinet comprising a casing containing two substantially closed chambers separated from each other, each of said chambers being provided with a slot-like opening to permit the passage therethrough of the strip of toweling, said openings being in substantially parallel relation, towel rollers, adapted to have a strip of toweling wound thereon, detachably mounted in each of said chambers, the one for the clean and the other for the soiled toweling, a perforated disk mounted to rotate with the first mentioned roller, a spring-im-

pressed pin normally bearing against said perforated disk and adapted to engage said perforations, the said pin being provided with a suitable head adapted to be



grasped by the operator, and means exterior to the second chamber and connected to said second roller for turning same when desired, substantially as described.

1,408,284. KNOCKDOWN PORTABLE WARDROBE. JAMES M. GALLOWAY, Terre Haute, Ind. Filed Jan. 15, 1921. Serial No. 437,417. 6 Claims. (Cl. 45—118.)

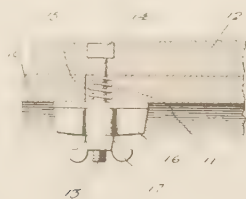


1. In a knockdown wardrobe of the character described; a bottom member having sockets; standard sections having their lower ends adapted to engage said sockets; a second set of sections provided with studs at one end and sockets at the other end, the studs adapted to engage the upper ends of the first set of sections; a third set of sections provided with short studs at one end and longer studs at the other, the longer studs being adapted to engage the sockets in the tops of the second members and the short studs engaging sockets in a top member; and a top member having sockets, substantially as described.

1,408,285. TRACTOR-WHEEL ATTACHMENT. SAMUEL A. GARLAND, Salisbury, N. C. Filed July 18, 1921. Serial No. 485,493. 2 Claims. (Cl. 301—44.)

2. The combination with a wheel including a rim having a longitudinal slot, of a cleat, a bolt passed through the cleat and having a head counter-sunk in one side of the latter, a clamp carried by the bolt and designed to pass through the slot in said rim for applying or removing the cleat, said clamp being adapted to be arranged at right

angles to the slot to hold the cleat in position for use, a coiled spring surrounding the bolt and interposed be-



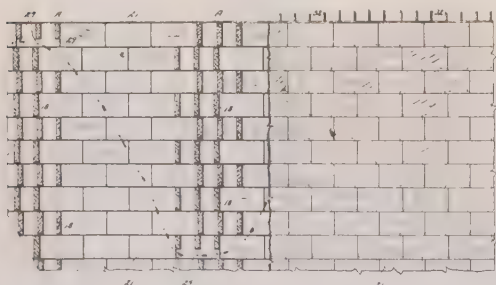
tween the cleat and said clamp, and a thumb nut threaded on the bolt and adapted to bear against the clamp for the purpose specified.

1,408,286. ATTACHMENT FOR SELF-STARTING TRACTORS. FRANK GOEBEL, Petersburg, Nebr. Filed Feb. 7, 1921. Serial No. 443,237. 2 Claims. (Cl. 180-77.)



1. An attachment for a self-starting tractor of the specified type and for a trailing agricultural implement pivotally coupled with the tractor, comprising a pushrod, having two branches and mounted within reach of a driver from his seat on the trailer, a positive connection between one of the branches and the spark timer of the tractor engine, and an operative connection allowing lost motion between the other of the branches and the self-starter.

1,408,287. BUILDING CONSTRUCTION. JOSEPH GRASSO, Philadelphia, Pa. Filed Mar. 16, 1920. Serial No. 366,190. 2 Claims. (Cl. 72-30.)



1. In a building construction, vertically disposed spaced pillars consisting of blocks in offset relation, transversely arranged air passages therein, the air passages of one pillar being located at a different elevation from those of the adjacent pillar, slabs connecting the pillars, said slabs being arranged in vertical spaced relation to provide a space between the pillars which communicates with the air passages and thus define vertical air chambers and horizontal passages connecting the air chambers, with the air passages disposed in vertical staggered relation and means for connecting the pillars and the slabs.

1,408,288. GASLIGHTER. JACOB GRIMM, New York, N. Y. Filed Aug. 3, 1920. Serial No. 400,956. 2 Claims. (Cl. 67-6.1.)

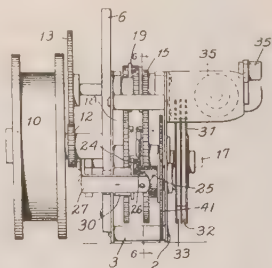
1. A pyrophoric igniting device, including a wire handle having two parallel shanks united by a spring coil

of approximately two convolutions, said convolutions abutting one against the other, and a magazine within



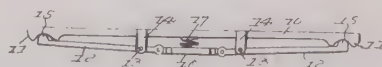
said coil provided with projections interposed between said convolutions.

1,408,289. AUTOMATIC REVERSING MECHANISM. CHARLES WILLIAM GROOT, Rochester, N. Y. Filed Jan. 12, 1921. Serial No. 436,711. 3 Claims. (Cl. 74-50.)



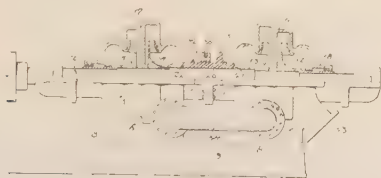
1. An operating device of the class described including a supporting frame, a longitudinally movable shaft mounted for rotation within the frame, a grooved pulley carried by one end of said shaft, means for imparting rotation to said shaft, an arm connected to the end of the shaft opposite the pulley, a cam member supported by said arm, a sleeve mounted for rotation within the frame having alternately disposed grooves provided with inclined communications in which said cam is adapted to ride for imparting movement to the shaft to shift the same longitudinally, and means carried by the shaft whereby to cause the same to rotate in opposite directions at predetermined intervals upon the longitudinal movement of the shaft, and means connecting the sleeves with the shaft whereby to impart movement to the sleeve for shifting the arm and shaft simultaneously.

1,408,290. SOFT-COLLAR HOLDER. FRANK GUIDRY, Orange, Tex. Filed Oct. 27, 1921. Serial No. 510,758. 3 Claims. (Cl. 24-81.)



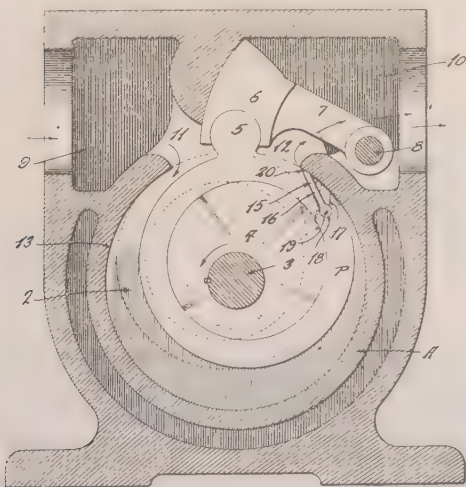
1. A soft collar holder having a base plate or strip provided with terminal jaws, arms pivotally mounted upon the base plate or strip and provided at their remote ends with jaws cooperating with those at the extremities of the base plate, and a common actuating means for the arms.

- 1,408,291. CENTRIFUGAL PUMP. OTTO HAENTJENS, Hazleton, Pa., assignor to Barrett, Haentjens & Company, Hazleton, Pa., a Corporation of Pennsylvania. Filed Apr. 19, 1921. Serial No. 462,563. 5 Claims. (Cl. 253-188.)



1. A centrifugal pump installation, comprising pump units arranged in series, each unit having a horizontally split casing, means for securing the lower halves of the casings rigidly together in alignment, a common shaft for said units, shaft packings at the remote ends of said casings, and means arranged between the casings at their juxtaposed ends to prevent leakage, said means comprising a sleeve on the shaft and extending freely between the casing ends, together with means for effecting a tight joint between the casings and the sleeve.

- 1,408,292. ROTARY PUMP AND ENGINE. IRA B. HART, St. Louis, Mo., assignor to The Recip-Roto Engine Company, St. Louis, Mo., a Corporation of Delaware. Filed July 8, 1920. Serial No. 394,704. 9 Claims. (Cl. 103-44.)



1. The combination of a cylinder, a piston in said cylinder, a rotary member on which said piston is eccentrically mounted, said cylinder having inlet and outlet ports and said piston being movable from a point on the cylinder adjacent said outlet port to a point on the cylinder adjacent said inlet port, and a valve pivoted to said piston and adapted to contact with said cylinder while the piston is moving from one of said points to the other.

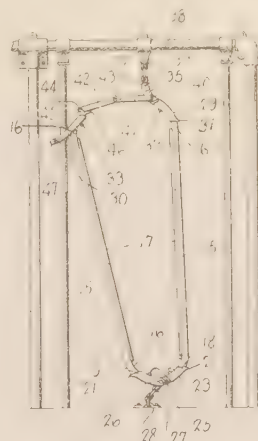
- 1,408,293. EXPLOSIVE MIXTURE. PIERRE E. HAYNES, Buffalo, N. Y., assignor to The Linde Air Products Company, a Corporation of Ohio. Filed July 23, 1920. Serial No. 398,380. 5 Claims. (Cl. 52-1.)

1. An explosive mixture comprising dried sola wood and a liquid oxidizing agent.

- 1,408,294. STANCHION. PETER A. HENNING, Jr., Zumbrota, Minn., assignor to Moyer Manufacturing Company, Montevideo, Minn. Filed Aug. 22, 1919. Serial No. 319,187. 4 Claims. (Cl. 119-150.)

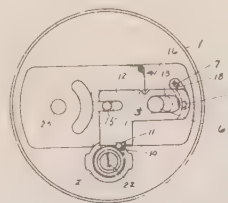
1. A device of the class described comprising a pair of spaced side bars pivotally connected together at one end, a member carried at the other end of one of said bars and having a channel in its outer side,

and pivotally connected links pivotally connected to the other end of the other bar and to said member, said links being folded alongside of each other and disposed in said



channel when said bars are closed and unfolded in substantially longitudinal alignment with each other when said bars are opened.

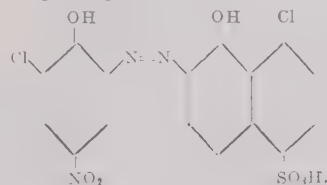
- 1,408,295. IGNITION LOCK FOR AUTOMOBILES. CHARLES A. HERVEY, Lansing, Mich. Filed Mar. 28, 1921. Serial No. 456,375. 5 Claims. (Cl. 200-44.)



1. The combination with a switch for opening and closing an electric circuit, and a lock for said switch provided with a locking pin adapted to be operated by said lock, of a slide adapted to be engaged with, and operated by, said pin; a stop attached to said switch and operated thereby, said slide and stop being mutually interacting; a spring acting on said stop and switch to throw them into the position for engaging with said slide, and a spring adapted to press said slide against said stop.

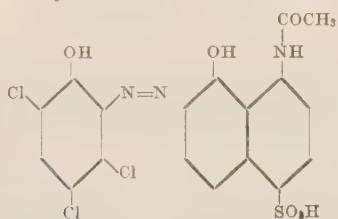
- 1,408,296. ORTHOOXYAZO DYES FOR WOOL. WILHELM HERZBERG, Berlin-Wilmersdorf, and OSWALD SCHARFENBERG, Berlin-Schöneberg, Germany, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed Aug. 30, 1921. Serial No. 496,969. 5 Claims. (Cl. 8-1.)

5. The herein described new ortho-oxy-azo dye being in the shape of alkali metal salt a dark powder soluble in water to a reddish violet solution from which an inorganic or organic acid separates a yellowish red precipitate, the aqueous solution becoming red violet by addition of sodium carbonate, red by addition of sodium hydroxide, yielding upon reduction 8-chloro-2-amino-1-oxy-naphthalene-5-sulfonic acid and 2,4-diamino-6-chloro-1-oxybenzene, derivative, dyeing on wool with chromium mordants black tints and corresponding as free acid to the formula:



1,408,297. ORTHOXYAZO DYES. WILHELM HERZBERG, Berlin-Wilmersdorf, and OSWALD SCHARFENBERG, Berlin-Schöneberg, Germany, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed Nov. 5, 1921. Serial No. 513,171. 6 Claims. (Cl. 8—1.)

6. The new ortho-oxazo dye which forms in the dry pulverized shape of its sodium salt a dark powder soluble in water with blue color from which an acid separates a violet-red precipitate, the aqueous solution becoming more reddish by addition of sodium carbonate and yellowish-red by addition of sodium-hydroxide, yielding upon reduction 3,4,6-trichloro-2-amino-1-oxbenzene and 1-acetyl-amino-7-amino-8-oxynaphthalene-4-sulfonic acid, dyeing on wool in the presence of an alkali metal chromate and an ammonium salt, such as ammonium sulfate, blue tints of an excellent fastness, the same shades being obtained by dyeing on wool mordanted with chromium mordants or by dyeing wool in an acid bath and treating them afterwards with chromium mordants, this dye which may be obtained by combining 3,4,6-trichloro-2-diazo-1-oxbenzene with 1-acetyl-amino-8-oxynaphthalene-4-sulfonic acid and which corresponds as free acid to the formula:

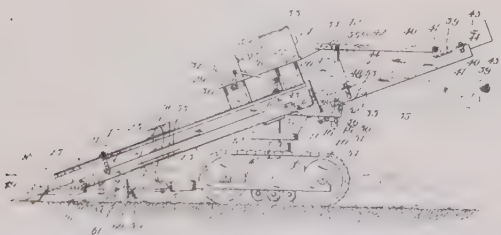


1,408,298. MACHINE FOR WHETTING RAZOR BLADES. ERICH KARL FRIEDRICH HEYDENBLUTH, Hamburg, Germany, assignor to The Firm of Hanseatische Triumph-Werke Gesellschaft mit Beschränkter Haftung, Hamburg, Germany. Filed May 12, 1921. Serial No. 468,969. 5 Claims. (Cl. 51—80.)



2. In a razor blade whetting machine comprising a series of whetting disks, two drums, a perforated endless metal band passing around the drums, a series of bolts fitting into the perforations of the metal band and standing at a distance apart corresponding to perforations in the blades to be sharpened by the said whetting disks, two guide rails spaced apart a distance equal to the thickness of the blades, one rail being grooved longitudinally to receive the ends of the bolts projecting through the perforations of the blades and the other rail grooved longitudinally corresponding to the cross-section of the metal band, and to the other ends of the bolts.

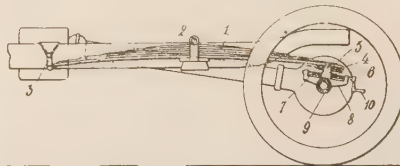
1,408,299. CONVEYER LOADER. ALBERT B. HOLLEY, Virginia, Minn. Filed Sept. 8, 1920. Serial No. 408,827. 12 Claims. (Cl. 37—25.)



1. A machine including a portable frame, a normally inclined trough having lengthwise and vertically shifting movements in the frame, means to vertically and longitudinally shift the trough, a second trough the inner

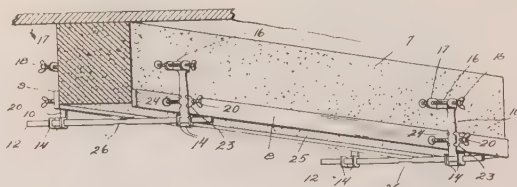
end of which is disposed beneath the first trough, connected to and movable similarly with the latter and an upright pivot to which the said inner end of the second trough is connected.

1,408,300. CANTILEVER SPRING. MAURICE HOUDAILLE, Levallois-Perret, France. Filed June 26, 1919. Serial No. 307,003. 7 Claims. (Cl. 267—41.)



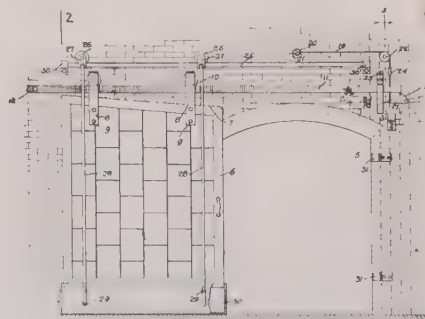
7. The combination with a vehicle frame member and an axle, of a cantilever spring having its central portion secured to said frame member and its end portions provided with elongated slots, fixed slotted members secured to the axle and to the frame member a pair of blocks sliding in the slotted member of the axle and the slot at the rear end of the spring, a second pair of slotted members slidably engaging the slotted member of the frame member and of the front end of the spring, and manually operated means for moving said pairs of blocks toward or away from each other to increase or decrease the effective length of said spring.

1,408,301. CLAMPING DEVICE FOR BEAMS AND COLUMNS. JOHN W. JETER, Kansas City, Mo. Filed Oct. 11, 1920. Serial No. 416,034. 4 Claims. (Cl. 72—128.)



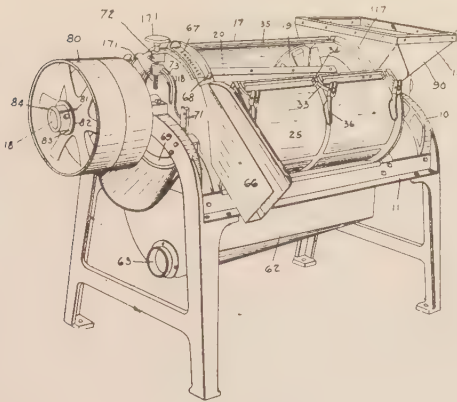
1. A clamping structure for beams or columns, comprising a pair of arms provided with means for clamping engagement with opposite faces of the beam or column, a cross bar adjustably connecting said arms, straight edge members adapted to be positioned in parallel relation along the corners of said beam or column, and adjustable clamping devices carried by said arms for clamping engagement with said straight edge members.

1,408,302. FIREPROOF DOOR. AMBROSE VINCENT KELLY, Brooklyn, N. Y. Filed Jan. 14, 1921. Serial No. 437,338. 7 Claims. (Cl. 189—47.)



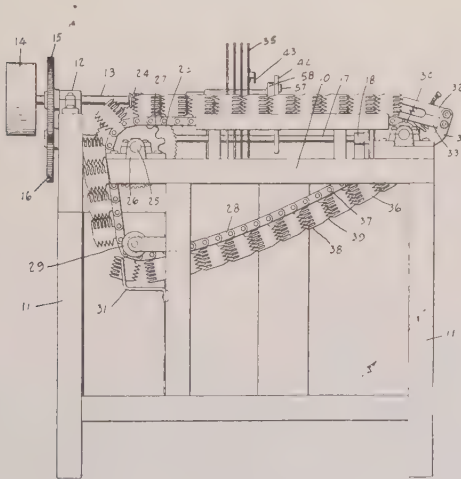
2. In a device of the character described, a door, a pivoted track for supporting the same, and fusible means for supporting one end of said pivoted track normally in a true horizontal plane.

1,408,303. PULPING MACHINE. JAMES F. LINDLEY, Indianapolis, Ind., assignor to Indiana Canning Machinery Company, Indianapolis, Ind., a Corporation. Filed Apr. 19, 1919. Serial No. 291,327. 8 Claims. (Cl. 146—9.)



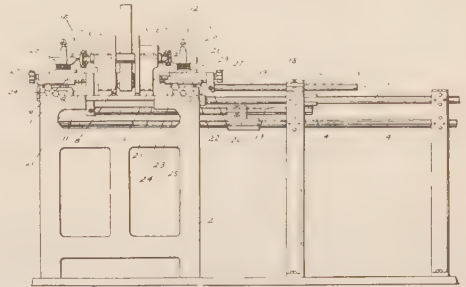
1. A machine for pulping vegetables including a frame, a horizontal pin at each end of the frame, a cylinder formed of two semi-cylindrical halves adapted to be united at their upper and lower edges, hook arms extending from the lower edges adapted to hook over the pins for pivoting the cylinder sections thereto so that they may be readily removable when opened, and means for clamping the upper edges of the two cylinder sections together.

1,408,304. CORN HUSKING AND SHREDDING MACHINE. GEORGE A. LOWRY, Chicago, Ill., assignor of one-half to Bertha McNally Lowry, Milwaukee, Wis., and one-half to A. Blair Ridington, St. Louis, Mo. Filed Jan. 3, 1921. Serial No. 434,858. 15 Claims. (Cl. 130—5.)



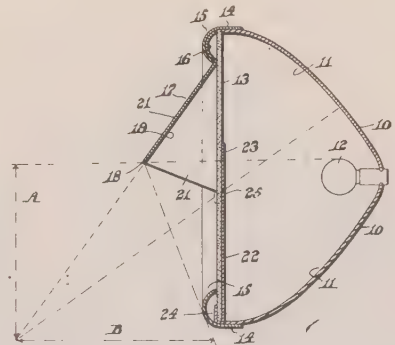
1. A corn husking and shredding machine including a gripping and carrying chain having means for biting through the corn ear and carrying it through the machine, means for removing the corn ear from the husk and shredding said husk, and means for engaging and positioning the corn ear with respect to said gripping members, whereby said ear will be properly gripped at the butt where it will be bitten through.

1,408,305. LAP-FORMING MACHINE. ALBERT E. MAYNARD and WILLIAM A. GUNNING, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed June 5, 1920. Serial No. 386,759. 3 Claims. (Cl. 82—12.)



1. A machine of the character described comprising a head having a double end rotary spindle, a pair of tool holders disposed one on each side of the head for co-operation with the ends of the spindles, and independent radius rods substantially coextensive operatively associated with the respective tool holders for controlling the position thereof.

1,408,306. HEADLIGHT. CHARLES G. MELANSON, Lynn, Mass. Filed Jan. 10, 1921. Serial No. 436,144. 1 Claim. (Cl. 240—48.4.)



The combination with a casing having a reflecting interior surface; a lamp therein; a clear lens in front of said lamp; a vizer in front of the upper part of the lens adapted to reflect a portion of the lamp rays into the interior of the casing; and an opaque plate positioned against the inner face of the lower half of said lens and having a mirrored surface, the upper edge of said plate being substantially in the same horizontal plane with the bottom of said lamp and below the lower edge of the vizer whereby an unobstructed space is provided through which intensified illuminating rays may be projected.

1,408,307. CIRCUIT CONTROL FOR ELECTRIC DISPLAY SIGNS AND THE LIKE. LUCIAN R. OAKES, Tipton, Ind. Filed Apr. 12, 1919. Serial No. 289,599. 3 Claims. (Cl. 200—122.)

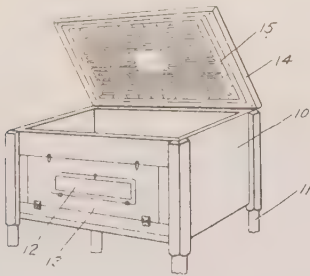
1. A switch mechanism including pendulum means, bar means associated with said pendulum means and actuated by the oscillation thereof, a switch member, a plurality of contacts positioned adjacent each other and in operative relation to said switch member and adapted to be alternately associated with said switch member

when actuated by said bar means, pivoted means for actuating said pendulum means, spring means for moving said



last mentioned pivoted means in one direction, and electrically operated means for moving said last mentioned pivoted means in the opposite direction.

1,408,308. HEATING ELEMENT FOR INCUBATORS. ROWLAND P. RHODES, Indianapolis, Ind., assignor to Electric Controller Company, Indianapolis, Ind., a Corporation. Filed Mar. 5, 1921. Serial No. 449,866. 1 Claim. (Cl. 219—35.)

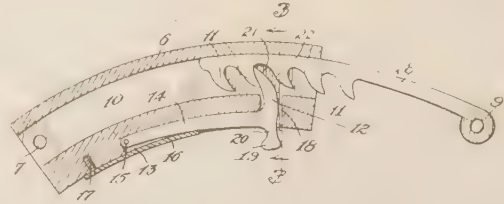


In combination with an incubator in which a layer of eggs is placed to be hatched, and a top on said incubator above said eggs, of an electrical element comprising a flexible fabric base cut to conform to the general shape of the top of said incubator and secured thereto so as to cover substantially the entire surface thereof, electrical resistance wires stitched to said fabric base so as to pass back and forth and around the same, conform to the shape and cover substantially the entire surface thereof for generating heat when electrically connected, for equally distributing the heat generated therefrom over the entire surface of the layer of eggs contained therein.

1,408,309. FASTENER FOR MUD CHAINS. OLAV F. SAETER and EDWIN O. HARRIS, Fergus Falls, Minn. Filed Dec. 16, 1920. Serial No. 431,248. 1 Claim. (Cl. 24—206.)

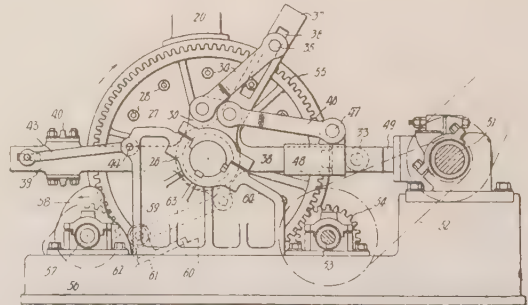
A tread-chain connector for vehicle tires comprising a segmental sleeve the curvature of which corresponds to that of the tires tread, said sleeve having an arcuate bore therein the curvature of which is parallel to that of the sleeve, means whereby one end of the tread-chain may be connected to said sleeve in alignment with said bore, an arcuate rack bar having the opposite end of the tread-chain connected thereto, the lower wall of said sleeve

being greater in thickness than the remaining walls thereof, a hammer-shaped pawl, a leaf spring for normally holding said pawl within a recess formed within said lower wall of the sleeve, means for pivotally connecting



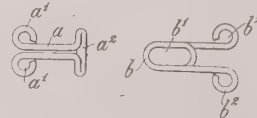
one end of said pawl to said sleeve, said rack bar adapted to be inserted within said bore and be engaged by said pawl and a knob formed with said pawl whereby it may be manually disengaged from said rack bar.

1,408,310. ROTARY-TYPE BRICK AND BRIQUETTING PRESS. DELPH SINGH, Sydney, New South Wales, Australia. Filed Aug. 29, 1921. Serial No. 496,354. 3 Claims. (Cl. 25—78.)



1. A rotary press of the type herein defined, characterized in that the stock is received by gravity into moulds located radially in a rotating drum, that primary and secondary dies are carried in an oscillating frame, and that said frame is caused to oscillate in stage movements by cam action and is automatically interlocked with the drum during its movements in one direction, that pressure is applied to the secondary dies from eccentric mechanism coacting directly on a sleeve frame and through linkage and free cranks to the primary dies substantially as herein described.

1,408,311. DRESS AND OTHER FASTENING DEVICE. CORNILIUS THOMAS, Tonyrefail, Wales. Filed Mar. 15, 1921. Serial No. 452,495. 3 Claims. (Cl. 24—218.)



1. A separable fastener comprising a hook member formed of a wire having a straight central portion beyond which the ends of the wire are bent toward each other and upon the straight portion to form a head, the ends then being bent laterally from the head portion in close contact and then bent substantially at right angles to the last mentioned portion to form a hook portion, the free ends being bent into loops in opposite directions beyond the hook portion to provide means for attaching said hook member to a garment, and an eye member adapted to cooperate with the hook member formed with an elongated slot, whereby the head portion will prevent disengagement of the hook portion from the eye when the parts are in aligned relation.

1,408,312. PHOTOGRAPHIC-PRINTING PROCESS. JOHN EDWARD THORNTON, West Hampstead, London, England, assignor to John Owden O'Brien, Manchester, England. Original application filed Mar. 21, 1916, Serial No. 85,702. Divided and this application filed July 8, 1919. Serial No. 309,425. 10 Claims. (Cl. 101—368.)

1. A printing belt of continuous indefinite length for printing a series of pictures upon a continuous indefinite length of transparent kinematograph positive film provided upon its margins with perforations accurately spaced and upon its surface a series of pictures in succession longitudinally thereon formed in broken tone markings and having a complete range of gradations of tone from light to dark (as distinct from solid patches of colour) the gradations consisting in variations of the broken tone markings substantially as described.

1,408,313. PHOTOGRAPHIC-PRINTING PROCESS. JOHN EDWARD THORNTON, West Hampstead, London, England, assignor to John Owden O'Brien, Manchester, England. Original application filed Mar. 21, 1916, Serial No. 85,702. Divided and this application filed July 8, 1919. Serial No. 309,426. 9 Claims. (Cl. 101—150.)

1. A photo mechanical printing belt of continuous indefinite length for the production of continuous indefinite lengths of transparent kinematograph positive film pictures, provided with perforations in the margins accurately spaced and a series of printing clichés formed on the surface and having pictures arranged in succession longitudinally thereon, each cliché being capable of printing a half tone image with all the gradation of a photograph, the cliché consisting of a large number of broken tone markings comprising intaglio pits forming ink wells, and the gradation of image being formed by making the said pits of varying capacity per unit of area so that they are capable of depositing varying quantities of ink, and thus forming a series of printed images of full gradation by the agency of applied ink and pressure.

1,408,314. PHOTOGRAPHIC-PRINTING PROCESS. JOHN EDWARD THORNTON, West Hampstead, London, England, assignor to John Owden O'Brien, Manchester, England. Original application filed Mar. 21, 1916, Serial No. 85,702. Divided and this application filed July 8, 1919. Serial No. 309,427. 10 Claims. (Cl. 101—130.)

1. A photo-mechanical printing belt for the production of continuous indefinite lengths of kinematograph positive film pictures, provided with perforations and a series of printing clichés formed on the surface and bearing pictures arranged in succession longitudinally thereon, each cliché being capable of printing a half tone image with all the gradation of a photograph by planographic methods, the cliché consisting of a large number of fine broken-tone markings, having an affinity for greasy printing ink, and the blank spaces between having an affinity for and being charged with a moisture repellant to greasy ink, and the gradation of image being formed by making the said printing dots, lines, or mosaic of varying size and area, so that they are capable of depositing varying areas of ink and thus forming a series of printed images of full gradation by the agency of applied ink and pressure and by planographic printing methods.

1,408,315. PHOTOGRAPHIC-PRINTING PROCESS. JOHN EDWARD THORNTON, West Hampstead, London, England, assignor to John Owden O'Brien, Manchester, England. Original application filed Mar. 21, 1916, Serial No. 85,702. Divided and this application filed July 8, 1919. Serial No. 309,428. 12 Claims. (Cl. 101—127.)

1. A porous photo-mechanical printing belt for the production of continuous indefinite lengths of kinematograph positive film pictures, provided with perforations and a series of printing clichés formed on the surface, and hav-

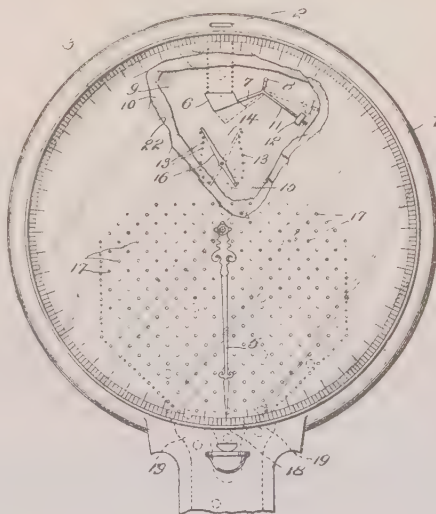
ing pictures arranged in succession longitudinally thereon, each cliché being capable of printing a half-tone image with all the gradation of a photograph by planographic methods; the cliché consisting of a large number of broken tone markings, of a spongy character, capable of absorbing an ink, and from whence it is capable of being transferred to the film to be printed by means of applied pressure, and the interspaces between these broken tone markings representing the whites of the picture consisting of non-porous material which cannot absorb the ink; and the gradation of image being formed by making the said printing broken tone markings of varying size and area so that they are capable of depositing varying areas of ink, and thus forming a series of printed images of full gradation by the agency of applied ink and pressure.

1,408,316. PORTABLE DOORSTOP. JOSEPH P. FIDERIUS, Cleveland, Ohio. Filed Sept. 29, 1920. Serial No. 413,579. 3 Claims. (Cl. 292—76.)



1. In a doorstop, the combination of a single piece of flat spring material bent upon itself at one end, one side of the flat material being formed in an arch, and means at one of the free ends of said flat material for holding the other of said free ends in movable relation thereto, substantially as described.

1,408,317. COIN-CONTROLLED APPARATUS. WILLIAM M. UPDEGRAVE, Johnstown, Pa. Filed Feb. 12, 1920. Serial No. 358,176. 12 Claims. (Cl. 46—56.)



2. In a coin controlled apparatus, means providing a visible irregular path for the coin, and a plurality of outlets at the end of such path, one of which leads to the return of the coin to the user.

1,408,318. SHOE HORN. ERN W. WALTER, Woodlynne, N. J. Filed Sept. 16, 1921. Serial No. 501,117. 2 Claims. (Cl. 132—8.)

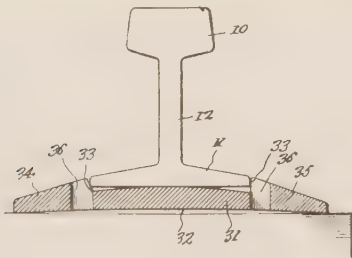
2. In a device of this character, a pulling member constructed from a single piece of wire consisting of a shank, a hand hold at its upper end and a stirrup at the lower end offset from said shank and a horn provided with a pro-

jection having a hole therethrough for registration with the shank of the pulling member to loosely and slidably



mount said horn on the pulling member, said projection forming a finger hold for the purpose stated.

1,408,319. COMBINED TIE PLATE AND RAIL ANCHOR. WILLIAM P. WARE, Alderson, W. Va. Filed Sept. 16, 1921. Serial No. 501,023. 6 Claims. (Cl. 238-298.)



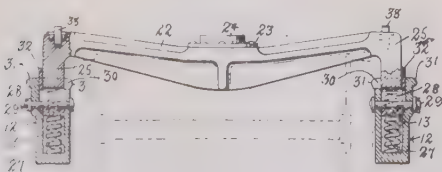
1. A combined tie plate and rail anchor comprising a body plate arched upwardly intermediate its longitudinal edges and adapted to be placed beneath the base of a rail and provided with upstanding shoulders, said plate being adapted to support a rail seated between said shoulders on the arched portion, whereby said arched portion is adapted to be flattened by the weight of the rail and said shoulders being adapted to be advanced toward each other for binding engagement against the edge portions of the rail base.

1,408,320. PRODUCTION OF SECONDARY BUTYL ALCOHOL. CHARLES WEIZMANN and DAVID ALLISTON LEGG, London, England. Filed Nov. 10, 1917. Serial No. 201,403. 2 Claims. (Cl. 23-24.)

1. A process for producing secondary butyl alcohol from normal butenes consisting in mixing a normal butene in a liquid state with sulphuric acid of about 75 per cent concentration by weight and distilling the product.

2. A process for the production of secondary butyl alcohol from normal butenes which consists in cooling sulphuric acid of approximately 75 per cent concentration by weight, adding a liquid normal butene thereto, thoroughly incorporating the mixture and distilling the resultant liquor with steam.

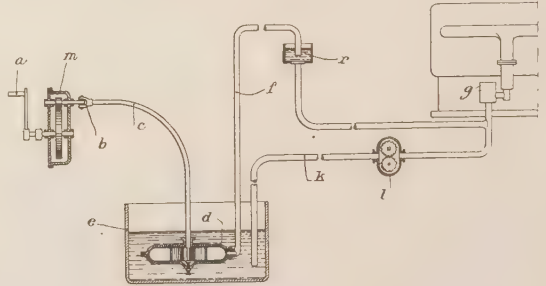
1,408,321. RAILWAY-CAR TRUCK. OTTO H. WELLMAN, Dubuque, Iowa. Filed June 30, 1921. Serial No. 481,575. 3 Claims. (Cl. 105-194.)



1. A railway car truck comprising side frames having means for engagement with the axle boxes of the truck and

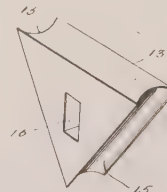
each with an upwardly opening pocket intermediate the ends, said pockets including outer and inner walls, a bolster member adapted to be coupled to a car body and with downturned ends engaging in said pockets and held from longitudinal movement by the walls of the pockets, and springs within said pockets to receive the downward thrust of the bolster member.

1,408,322. AUXILIARY LIQUID-FORCING DEVICE FOR CARBURETORS. CHARLES TERRES WEYMANN, Neuilly-sur-Seine, France. Filed July 18, 1919. Serial No. 311,893. 8 Claims. (Cl. 158-36.)



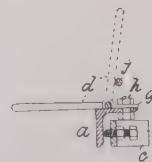
1. In combination with an internal combustion engine carburetor, a fuel reservoir, fuel conducting means connecting the reservoir and carburetor and a main feed pump arranged in the fuel conducting means, of an auxiliary passage functioning independently of the fuel conducting means for conveying fuel from the reservoir to the carburetor, and means for forcing fuel through said auxiliary passage.

1,408,323. EXTRACTING DEVICE FOR AUTOMOBILES. CHARLES J. WILLIAMS, Pocatello, Idaho. Filed May 3, 1921. Serial No. 466,447. 2 Claims. (Cl. 242-95.)



1. In an automobile extricating device, a plurality of spoke engaging members, each member being of triangular formation and having two of its sides grooved, each member also being formed with a square opening, a drum designed to be fitted upon the hub of the wheel, and lugs projecting from one end of the drum and of a size and shape to be snugly received by said openings in the spoke engaging members.

1,408,324. SEPARATOR FOR RING-SPINNING AND LIKE MACHINES. JOHN ROBERT WILLIAMS, Rochdale, England. Filed Aug. 27, 1917. Serial No. 188,466. 2 Claims. (Cl. 118-11.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. The combination, with a pivoted supporting rail provided with a series of projections on its upper side, of a

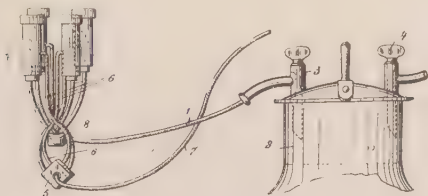
series of separators each comprising a wire loop having pivots at its ends adapted to be sprung into engagement with the projections to which it pertains and normally resting on one side portion of the upper surface of the said rail which forms a stop, said separators being independently movable and adapted to be raised pivotally out of contact with the said stop.

1,408,325. VARNISH, PAINT, OR CEMENT AND PROCESS OF MAKING THE SAME. HERMAN F. WILLKIE, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Apr. 12, 1920. Serial No. 373,083. 14 Claims. (Cl. 134—26.)

1. A resinous coating material comprising a solvent containing ethyl acetate and alcohol adapted to carry off water during the evaporation thereof.

13. A coating material comprising a resin, turpentine, and a solvent containing ethyl acetate adapted to carry off water during the evaporation thereof.

1,408,326. MILKING MACHINE. JOSEPH WILMOTTE, Ciney, Belgium. Filed Dec. 9, 1913. Serial No. 805,559. 1 Claim. (Cl. 31—101.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



In a milking machine the combination with a plurality of double walled teat cups, a milk collector, flexible tubes connecting said teat cups to said milk collector and a flexible tube connecting said milk collector to a suitable milk receptacle, of a single pulsator for said teat cups, flexible connections between said teat cups and said common pulsator, whereby said pulsator is adapted to swing freely and in a regular way in operation to produce a massage of the udder and assist the milking process, and a flexible pipe extending from said pulsator to a suitable vacuum system, substantially as set forth.

1,408,327. SPINNING ROLL FOR SPINNING MILLS. EDGAR H. WILSON and WILLIAM C. EHRENFELD, Flemington, N. J. Filed Apr. 28, 1921. Serial No. 465,139. 2 Claims. (Cl. 19—141.)

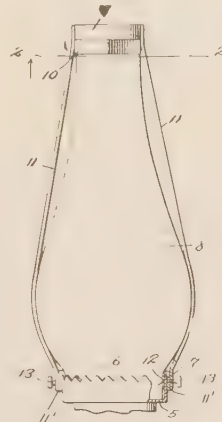


2. A spinning roll comprising a cylindrical body portion having a plurality of substantially longitudinal and continuous slots in its outer surface, a plurality of serrated teethlike projections on the surface of the body portion, an integral sleeve of resilient material disposed over the surface of the roll, and a plurality of ribs disposed along the inner surface of the sleeve to engage with the slots to hold the sleeve on the roll.

1,408,328. LAMP ATTACHMENT. SAMUEL H. WILSON, Cartersville, Ga. Filed Oct. 23, 1920. Serial No. 418,893. 1 Claim. (Cl. 126—358.)

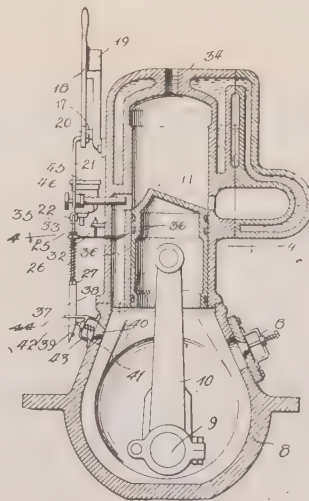
In a device of the character described, the combination with a lamp chimney and supporting flange therefor, of an annular cup, a square frame secured to and spacing said cup from the chimney top, said frame being narrower

than the diameter of the chimney top to provide a series of openings between the chimney and cup, and brace



strips depending from the cup having hooks at their lower ends for engagement with said supporting flange of the chimney.

1,408,329. TWO-CYCLE INTERNAL-COMBUSTION ENGINE. DAVID L. WINTERS, Philadelphia, Pa. Filed Sept. 3, 1920. Serial No. 407,895. 1 Claim. (Cl. 123—101.)



The combination with a two-cycle internal combustion engine having a cylinder and crank case, of means to supply an efficient charge of fuel thereto when idling, of means to compress air or an explosive mixture in the crank case thereof, means to admit a portion of said air or mixture to the cylinder thereof, and means to permit the release from said crank case of a portion of said air or mixture, for the purpose set forth.

1,408,330. PROCESS OF MANUFACTURING METALLIC SHAPES. CLAUDE A. WITTER, Philadelphia, Pa. Filed May 24, 1920. Serial No. 383,778. 4 Claims. (Cl. 29—169.)

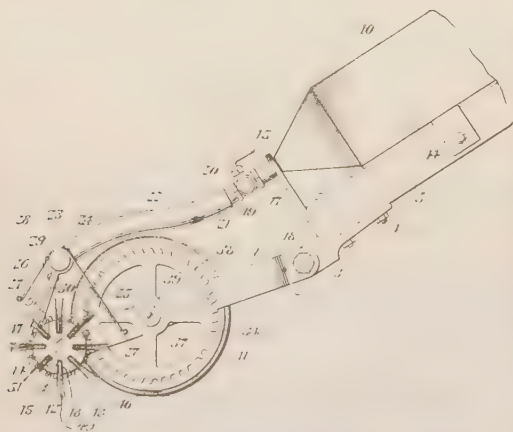
1. The process herein described of manufacturing metallic shapes, said process consisting in making an ingot, flattening the same and punching it to remove the piping

and segregations and to form a hole therein, then enlarging the bloom thus formed, reducing it in cross sec-



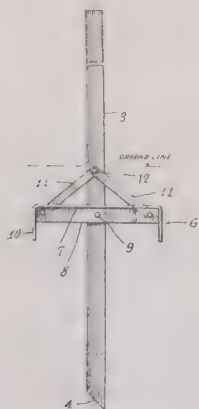
tion, then cutting the bloom and straightening it, and finally rolling it to the shape of the article to be produced.

1,408,331. FLOOR-SCRUBBING MACHINE. WILLIAM ZEHNDER, Pittsburgh, Pa. Filed Jan. 9, 1917. Serial No. 141,443. 1 Claim. (Cl. 15—14.)



1. In a floor scrubbing machine, a main frame, wheels journaled on the frame, brushes mounted on the frame for rotation, means for rotating said brushes, a liquid tank supported above the frame, a distributing pipe arranged above and in parallelism with said brushes, a hose connecting the distributing pipe with said tank, metallic strips surrounding said distributing pipe and depending therefrom, said strips being secured to one end of the frame and supporting the distributing pipe in proper relation to said brushes, and a substantially V-shaped shield supported by said distributing pipe over said brushes.

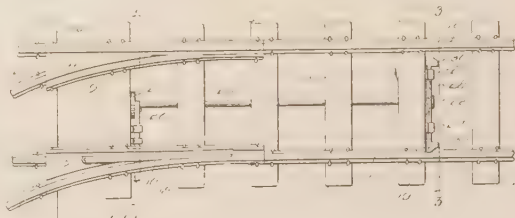
1,408,332. STEEL FENCEPOST. ANDREW J. ZIMMERMAN, Remington, Ind. Filed Feb. 18, 1921. Serial No. 446,168. 1 Claim. (Cl. 189—29.)



A fence post comprising a body portion, anchor means secured to the body portion and consisting of a plate

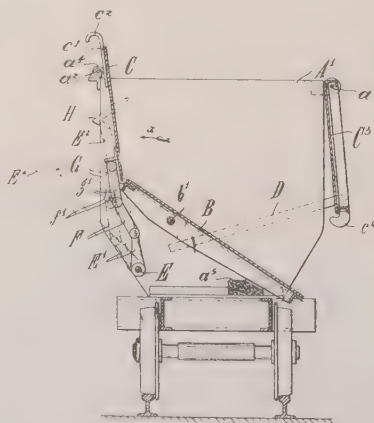
including a portion arranged in a horizontal plane having angularly disposed end wings extending transversely thereof, and a vertical wing extending longitudinally of the plate and abutting the end wings, and means for fastening the longitudinally extending wing to the post.

1,408,333. RAILWAY SWITCH. IGNACIO ARTEAGA, San Antonio, Tex. Filed May 25, 1921. Serial No. 472,432. 2 Claims. (Cl. 246—323.)



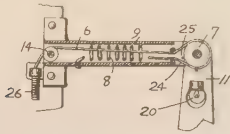
1. In a railway switch operating device a standard adapted to be supported for vertical movement relative to a car truck, a spring holding said standard in elevated position, a shoe member carried by said standard and including a projection having an inclined face and a seat for a guide roller, said projection extending below the line of the ball of the rail on which the truck travels when in one position to engage a switch point actuating mechanism, and the roller to engage the ball of the rail and limit the downward movement of the standard, and means under the control of the driver of the car to depress said standard against the resistance of said spring.

1,408,334. SELF-UNLOADING CAR. KARL BARTHE, Essen-on-the-Ruhr, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Dec. 12, 1913. Serial No. 806,261. 5 Claims. (Cl. 105—14.)



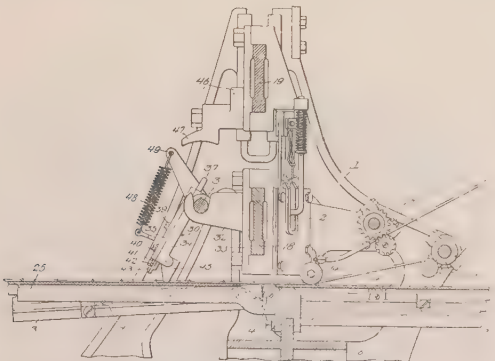
1. A self-unloading vessel comprising a frame, a receptacle of rectangular cross-section when in loading position, said receptacle having two end walls rigidly mounted on said frame, a bottom forming an unloading member of the vessel and adapted to swing about a longitudinal axis of the receptacle situated between the central longitudinal plane and one of the side walls, said side wall forming another unloading member of the vessel, hinged connection between this side wall and said bottom, an operating member and connection between said unloading members and said operating member for returning said unloading members into closed position after unloading.

1,408,335. SIGNAL MEANS FOR AUTOMOBILES FOR INDICATING THEIR DIRECTION OF ROUTE OR STOPPAGE. WILLIAM HENRY BAUERT, Roseville, near Sydney, New South Wales, Australia. Filed Oct. 25, 1920. Serial No. 419,479. 4 Claims. (Cl. 116—54.)



1. Signal means for automobiles comprising a bracket having one end fixed to the automobile, a roller revolubly supported in the outer end of the bracket, an indicator arm on said roller, a spring encased by the bracket and having one end connected thereto, flexible means operating through the bracket and having one portion connected to the spring and to the roller, and operating means connected with the other end portion of the flexible means.

1,408,336. WIREBOUND-BOX MACHINE. SERAPHINE F. BAUWENS, Chicago, Ill., assignor to Wirebounds Patents Company, Kittery, Me., a Corporation of Maine. Filed May 29, 1919. Serial No. 300,728. 44 Claims. (Cl. 1—8.2.)



34. A machine of the class described comprising, in combination, means to secure binding wire to box parts; means to cause relative progression between work and wire-securing means; and a gravity-operated wire-severing means adapted to be supported by the work and caused to assume operative and inoperative positions thereby in respect to binding wire.

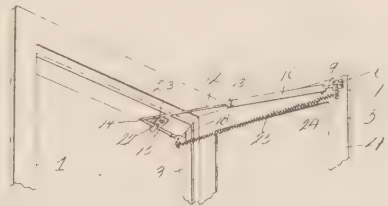
1,408,337. NEEDLE OR STYLUS. GEORGE E. BERNECKER, Milwaukee, Wis., assignor to Standard Accessory Corporation, Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 18, 1919. Serial No. 318,292. 1 Claim. (Cl. 274—38.)



As an article of manufacture, a stylus for sound reproducing machines, comprising a one piece body member in-

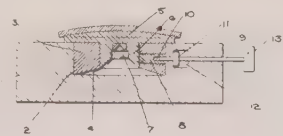
cluding a shank portion and an end portion of substantially the same size in transverse cross section as the shank portion, two opposite sides of said body member being cut away to define a flattened connecting portion, the edges of which form a substantial continuation of the adjacent sides of said shank and end portions, and a reduced record engaging point formed on said end portion.

1,408,338. DOOR CHECK. BYRON E. BOWLES and MYRON EDWARD BOWLES, Council Bluffs, Iowa. Filed July 11, 1921. Serial No. 483,739. 2 Claims. (Cl. 16—70.)



1. The combination with door hingedly mounted in a door frame, of a cylinder pivotally connected to the free end of the door, a piston slidably mounted in said cylinder, a piston rod carried by said piston, said piston rod having hingedly connected thereto a piston rod section, the free end of said piston rod section being hingedly connected to the door jamb adjacent the hinged edge of said door, a stop carried by the door frame and adapted to be engaged by the hinged piston rod section, a spring for normally holding and forcing said hinged piston rod section in the direction of its stop and a coiled spring having one of its ends connected adjacent the free end of the door and its other end connected to the door frame and forming means for forcing said door to a closed position against the checking action of the piston within the cylinder.

1,408,339. PROTRACTOR. LUCIAN W. BUGBEE, Indianapolis, Ind., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Nov. 24, 1917. Serial No. 203,832. 5 Claims. (Cl. 51—277.)

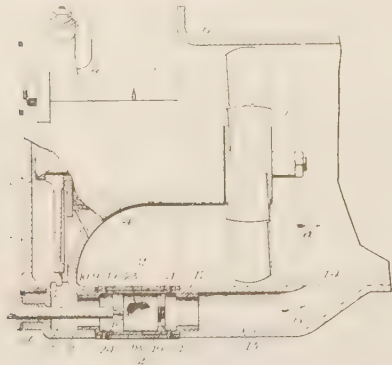


4. A positioning device for use in connection with a cylinder lens holder, comprising a body portion having formed therein a central recess for the body of the holder and communicating grooves for the arms of the holder, whereby the holder will fit down into said body portion, and having degree graduations formed upon its upper face in juxtaposition to the lens receiving surface of the holder to indicate the angle of axis of the lens as respects the holder.

1,408,340. VALVE. AXEL W. CARLSON, Worcester, Mass., assignor to Coppus Engineering and Equipment Company, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 22, 1917. Serial No. 187,729. 4 Claims. (Cl. 251—109.)

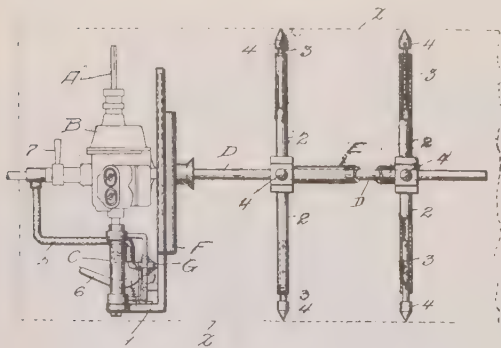
1. The combination, with a tubular member having one end open and carrying at the other end a plate having a

series of openings, of a second tubular member telescoped within said first tubular member and providing a passage for the flow of pressure fluid, said second member having



an end closure in contact with said plate, with a series of openings therein corresponding to the openings of said plate, means for causing relative rotation between said members to bring said series of openings into and out of register, and means provided in said tubular members for discharging pressure fluid from said passage when said openings are out of registration.

1,408,341. REAMING MACHINE. SAMUEL B. CLAY, St. Louis, Mo., assignor to Heine Safety Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 30, 1920. Serial No. 406,786. 10 Claims. (Cl. 77-7.)

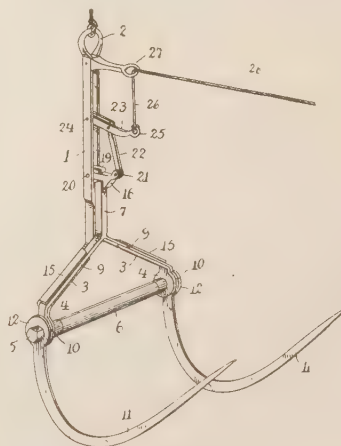


1. A boring or reaming machine, comprising a supporting structure adapted to be arranged transversely on the inside of a tubular object, means for clamping or connecting said structure to said object, a part carried by said structure that extends longitudinally of said object, said part being adapted to be shifted longitudinally and also rotated around the longitudinal axis of said object, and a rotatable cutting tool carried by said part and disposed radially with respect to the tubular object on which it operates.

1,408,342. HAYFORK. JAMES W. COLLINS, Somerville, Mass. Filed Aug. 3, 1920. Serial No. 401,005. 5 Claims. (Cl. 294-124.)

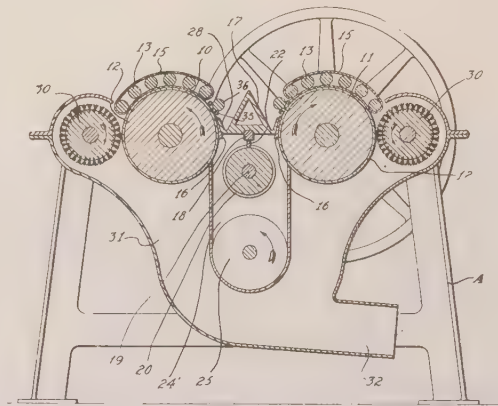
1. A hay fork comprising a vertical bar having bifurcated lower ends, a shank having legs, and fork-tines

pivotally supported by said bifurcations and legs, said tines being angularly adjustable with respect to said legs,



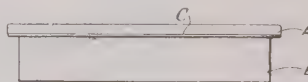
the bar having a detent for confining said shank in contact therewith.

1,408,343. COTTON GIN. WILEY W. CONWAY, Humboldt, Ariz. Filed Nov. 2, 1920. Serial No. 421,306. 7 Claims. (Cl. 19-51.)



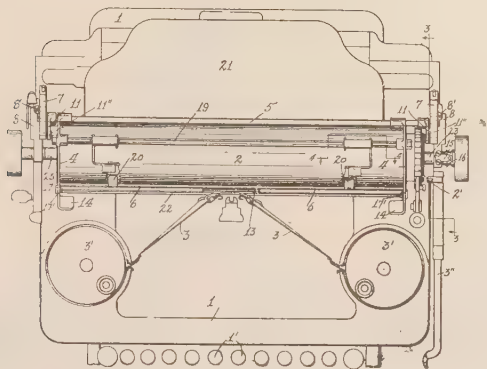
2. A cotton gin comprising a pair of ginning rolls, means for rotating said rolls in opposite directions, a seed trough arranged between the rolls, a series of relatively small retaining rollers in working and driving contact with said ginning rolls, an endless belt arranged over each series of retaining rollers, brushes arranged at the outer sides of the ginning rolls, and means for rotating the brushes toward each other and a casing arranged beneath said rolls and a portion encircling said brushes.

1,408,344. PAPER WEIGHT AND ABSORBENT BLOTTER. JOHN TAMSETT CORSAN, London, England. Filed Dec. 29, 1919. Serial No. 348,207. 2 Claims. (Cl. 120-24.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



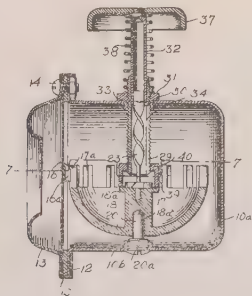
2. The combination of a paper weight and blotter, comprising an absorbent slab, composed of plaster of Paris seven parts and alum one part, and a glass plate cemented thereto.

1,408,345. MANIFOLDING ATTACHMENT FOR TYPE-WRITERS. MALCOLM L. COSSITT, Alameda, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev., a Corporation of Nevada. Filed Feb. 2, 1920. Serial No. 355,825. 5 Claims. (Cl. 197—126.)



1. A manifold attachment for typewriting machines and the like, comprising a single-length section of manifolding ribbon; laterally resilient, spaced arms on the platen-carriage of the machine; a detachable connection between the ends of the manifolding section and said arms adapted to extend said section under tension between the arms, parallel with the platen; and a connection between said arms and the platen-carriage, adapting them to elevate said manifolding section above the platen in position to be entered between the sheets and to depress it therebetween to position in the line of type-impact.

1,408,346. WARNING SIGNAL. JOSEPH D. COUGHLIN, New York, N. Y. Filed Apr. 20, 1921. Serial No. 462,955. 7 Claims. (Cl. 116—143.)

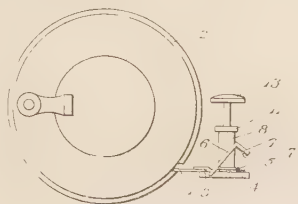


1. In a signal of the class described, a diaphragm having a contact element thereon resilient in itself in addition to partaking of the vibrations of the diaphragm; together with a cup-shaped vibrator having contact members projecting from the edge of the vibrator approximately parallel with the axis of said vibrator, the side surfaces of which are adapted to wipe successively over the contact element of the diaphragm.

1,408,347. TAPELINE HOLDER. JOHN H. CURRIE, Webster, Mass. Filed Oct. 5, 1920. Serial 414,929. 2 Claims. (Cl. 33—137.)

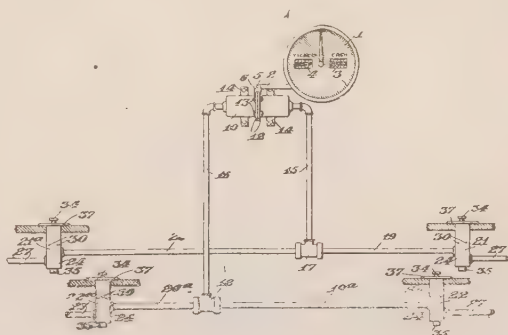
1. In combination with a tape line having an eye at one end thereof, of a holding means therefor including a base having a boss received in the eye of the tape line and a barrel projecting from the boss, a spring influenced plunger rod in the barrel having a headed end projected outwardly therefrom, an impinging element on the inner end of the plunger rod movable through the base when

pressure is exerted on the headed end of the plunger rod in the direction of the base, and a clip comprising a



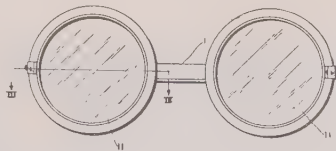
U-shaped member which is pivoted to the base and which has a portion bent at an angle to the main portion of the member.

1,408,348. MEANS FOR OPERATING FARE REGISTERS. JOSEPH M. DAPRON, St. Louis, Mo. Filed Aug. 23, 1918. Serial No. 251,193. 6 Claims. (Cl. 285—91.)



1. In an apparatus of the character described, a register, a fluid pressure motor having an operable connection with said register whereby to actuate the latter, and a controlling device, normally maintained by the fluid pressure supply for exhausting the pressure from said motor and being operable at the will of the operator for checking the exhaust and simultaneously admitting the fluid pressure to said motor.

1,408,349. GOGGLES. GEORGE H. DAY, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Dec. 26, 1917. Serial No. 208,942. 3 Claims. (Cl. 2—149.)

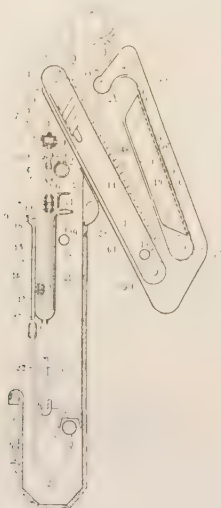


1. In a device of the character described, the combination with a lens, of a retaining rim therefor encircling the lens and having an outwardly projecting rib or flange portion and an eye cup member having a seat to receive the lens, a keeper recess to receive the rib, and an additional locking member for engaging the frame to secure the same in position on the seat.

1,408,350. MACHINE FOR SPINNING, WASHING, AND DRYING VISCOSE THREADS. MAURICE DENIS, Paris, France. Filed Mar. 31, 1921. Serial No. 457,469. 3 Claims. (Cl. 18—8.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

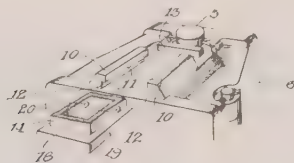
1. A machine for spinning, washing and drying viscose threads in a continuous manner, comprising squirting

nozzles, means for feeding said squirting nozzles with the viscose solution, a glass container surrounding each of said squirting nozzles and containing the coagulation bath through which pass the filaments of the thread issuing from the squirting nozzle, means for drawing along



the viscose thread at a predetermined speed, means for circulating said coagulation bath in the same direction as the viscose thread, together with means for vertically adjusting the position of each glass-container with respect to the corresponding squirting nozzle, for the purpose described.

1,408,351. PIPE-COUPLING ATTACHMENT FOR CAR COUPLINGS. JOHN H. FUNK, St. Louis, Mo. Filed Mar. 9, 1921. Serial No. 450,866. 3 Claims. (Cl. 213—40.)

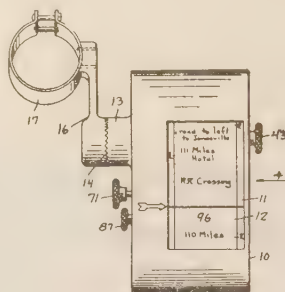


1. The combination, of a coupler head having guiding means for a pipe coupler block formed on its under side, and an abutment lug spaced rearward of said guiding means; with a pipe coupler block adapted to engage said guiding means with its rear face seated against said abutment lug.

1,408,352. ROAD GUIDE AND TRAVEL INDICATOR FOR AUTOMOBILES. ARCHIE D. GABBERT, Spokane, Wash. Filed June 21, 1919, Serial No. 305,901. Renewed Jan. 21, 1922. Serial No. 531,002. 7 Claims. (Cl. 40—42.)

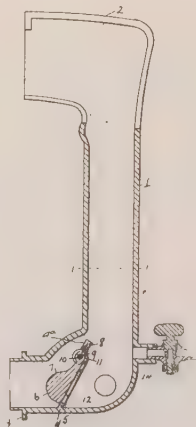
1. In a road guide and travel indicator for automobiles, a casing, tape winding and unwinding spools mounted in said casing, a travel guide tape having its end portions wound about said spools, an advancing means for said tape between said spools comprising hard and soft rollers with the hard roller at least as large in diameter as the soft roll and said rollers engaging the tape on opposite sides thereof, said rollers being rotatable about fixed axes whereby pressure of the hard roller against the soft roller

will restrict the active radius of the soft roller to a uniform dimension, and means for driving the soft roller



thereby causing the constant or uniform active radius of the latter to impart a uniform rate of advancing movement to the tape.

1,408,353. AUTOMATIC AIR-REGULATING DEVICE FOR GASOLINE ENGINES. EUGENE F. INGLES, Chicago, Ill. Filed June 25, 1919. Serial No. 306,754. 6 Claims. (Cl. 277—55.)

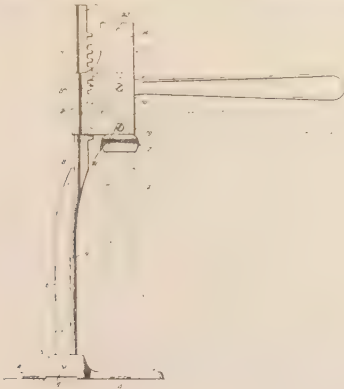


6. An air regulating device for gasoline engines, comprising an air conduit; a double valve seat having a double port connected by a narrow guideway; a rectangular offset chamber in said conduit adjacent said valve seat and forming a supplemental air passage around said seat; a weighted double valve mounted adjacent said seat in said chamber in the annular guideway and adapted to be guided thereby during opening and closing; a separate port for admitting cold air and a valve for closing said port; a third opening for admitting steam to said conduit, and a valve for opening and closing said opening, all substantially as shown and described.

1,408,354. BOTTLE CAPPER. CLARENCE S. JOHNSON, Frederick, Md., assignor of one-half to H. R. Snook, Frederick, Md. Filed Oct. 11, 1921. Serial No. 506,945. 2 Claims. (Cl. 226—84.)

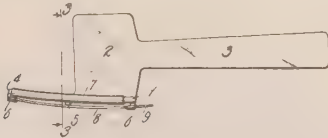
1. In a bottle capper, the combination of a standard having a rack portion, supporting means for said standard, a capper carrying member slidably mounted on said rack portion and including a pair of laterally spaced plates, a handle pivotally mounted between said plates

midway their ends and having a segmental toothed head on the inner end thereof adapted to be thrown into or out



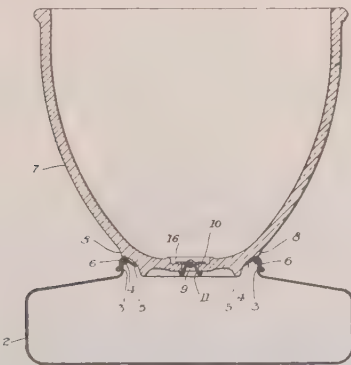
of engagement with the rack, said member having caper receiving means at its opposite ends on opposite sides of said handle.

1,408,355. SAFETY RAZOR. CHARLES W. JONES, St. Paul, Minn. Filed Apr. 21, 1920. Serial No. 375,560. 1 Claim. (Cl. 30-12.)



A safety razor comprising a longitudinally curved plate equipped with bars at its opposite edges, rubber tubes covering said bars, each bar being unconnected at one end to permit its rubber tube to be slidden on and off, a handle secured to said plate, and blade receiving means carried by the front face of said plate.

1,408,356. DOUBLE BOILER. WILL JONES, Avalon, Pa. Filed Apr. 8, 1921. Serial No. 459,689. 5 Claims. (Cl. 53-1.)

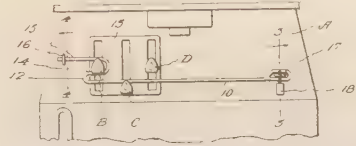


1. A cooking utensil comprising a supporting water containing base having an annular sealing gasket, and a cooking vessel mounted thereon provided with an upwardly opening and downwardly closing sealing valve.

1,408,357. AUTOMOBILE PEDAL LOCK. ISAAC B. KOONS, Bath, Pa. Filed Mar. 8, 1921. Serial No. 450,555. 1 Claim. (Cl. 70-126.)

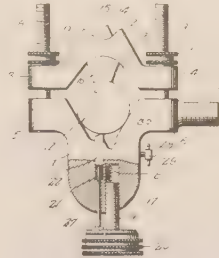
A locking device for the pedals of an automobile comprising an elongated bar formed at one end with a loop and bent and rebent at its other end to define spaced arms, a bracket secured upon the floor of the automobile and

through which one of said arms may be inserted subsequent to the engagement of the arms in straddling relation to the clutch pedal, the major portion of the bar extending between the clutch pedal and the reverse pedal in engage-



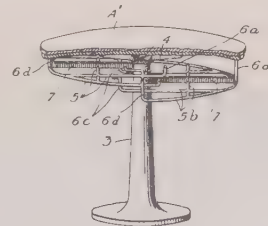
ment with the latter, and a staple member extending upwardly from the floor of the automobile and passing through said loop, the staple member being adapted for engagement by the shackle of a padlock.

1,408,358. CUTTING TOOL. GEORGE F. KRIEGER, Wisconsin Rapids, Wis. Filed Oct. 26, 1920. Serial No. 419,683. 4 Claims. (Cl. 82-4.)



2. A tool for truing crank pins, crank shafts and the like, comprising a stationary jaw, a movable reversible jaw, means for adjusting said movable jaw, a cutting knife vertically movable within a transverse groove in the stationary jaw, means for securing said knife, a micrometer screw threaded within the stationary jaw and slidable means movable with said screw for engaging said knife to move the same to its adjusted position.

1,408,359. CAFETERIA TABLE. JOHN KRUCKEWITT, Pittsburgh, Pa., assignor of one-half to Donahoe's, Incorporated, Pittsburgh, Pa., a Corporation of Delaware. Filed May 17, 1921. Serial No. 470,249. 8 Claims. (Cl. 45-75.)

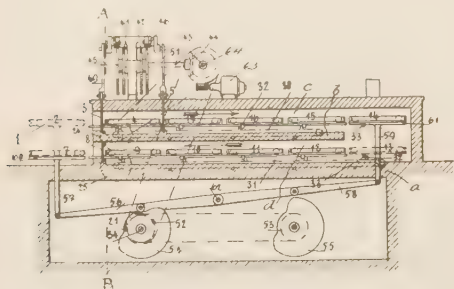


1. A dining table of the class described having an upper tray and supporting platforms below the top separated by intervening radial partitions providing a laterally arranged series of outwardly open closely adjacent tray receiving spaces.

1,408,360. BAKER'S OVEN. FRIEDRICH KÜHTZ, Cannstatt, Germany. Filed May 8, 1918. Serial No. 233,388. 9 Claims. (Cl. 107-56.)

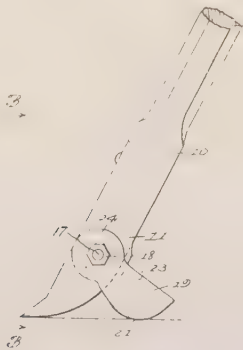
1. In an oven, in combination, an oven chamber, an inlet and an outlet for said chamber, closures for said inlet and

said outlet, a removable partition adapted to divide said oven chamber into pre-baking and main-baking chambers, carriers for the material under treatment, means for con-



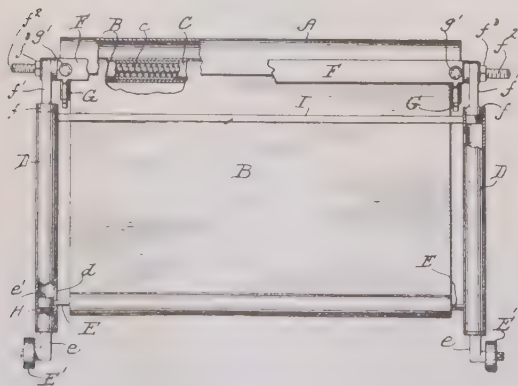
veying said carriers in a closed circle through the oven from said inlet to said outlet and then to said inlet, and means for successively removing and replacing said closures and partition to permit said conveyance.

1,408,361. SPIKE PULLER. ANTHONY M. KURZWA, Chicago, Ill. Filed Mar. 2, 1920. Serial No. 362,656. 3 Claims. (Cl. 254—24.)



1. A pinch bar having relatively movable jaws and a fulcrum block consisting of independently movable members pivotally mounted upon the jaws and carrying opposing jaw-inclosing cams.

1,408,362. AUTOMATIC AUTOMOBILE FENDER. WILLIAM LAMBERTI, New York, N. Y. Filed July 18, 1921. Serial No. 485,549. 7 Claims. (Cl. 293—41.)

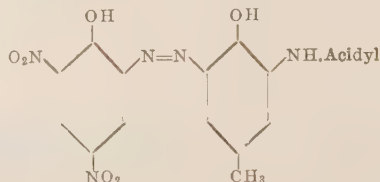


1. In a fender of the class described, a curtain composed of flexible material, means for winding said curtain, an actuator hung for movement relatively to the curtain-

winding means, spring mechanism effective in drawing the curtain downwardly so as to extend in a continuous sheet from side to side of the fender, and latching means cooperating with said actuator and the spring mechanism for locking and releasing the same.

1,408,363. ORTHO-OXYMONOAZO DYES. WERNER LANGE, Berlin-Friedenau, Germany, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed Nov. 5, 1921. Serial No. 513,174. 3 Claims. (Cl. 8—1.)

2. The herein-described monoazo dyes derived from diazotized picramic acid and 2-acidylamino-4-methylphenol corresponding in the free state to the general formula:

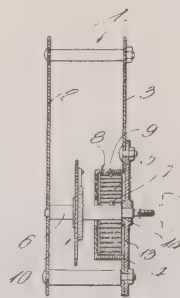


being in the shape of pulverized dry sodium salts dark powders soluble in hot water with a brown color becoming more reddish by addition of soda lye, the dye being precipitated as brown flakes by an acid; soluble in concentrated sulfuric acid with a red brown color; being destroyed by strong reducing agents yielding 2,4,6-triaminophenol and a 2-acidylamino-6-amino-4-methylphenol.

1,408,364. MANUFACTURE OF PERBORATES. JOHANN KONRAD LANGHARD, Fredriksstad, Norway, assignor to Fredriksstad Elektrokemiske Fabriker A/S, Fredriksstad, Norway. Filed Feb. 6, 1920. Serial No. 356,650. 3 Claims. (Cl. 204—9.)

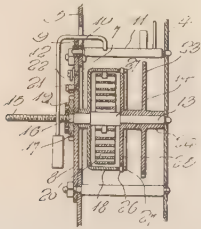
1. Process for the manufacture of sodium perborate, comprising in combination the steps of electrolyzing a solution containing borax and soda and adding sodium peroxide to the electrolyzed solution.

1,408,365. SPRING MOTOR. PETER S. LARSON, Beloit, Wis. Filed Jan. 4, 1921. Serial No. 434,955. 6 Claims. (Cl. 185—45.)



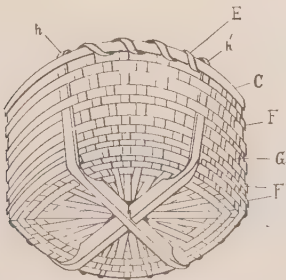
2. A spring motor for use in clocks comprising a mechanism supporting frame including spaced plates, one of which is provided with an opening, a shaft having one of its ends supported by one of said plates, its opposite end extending through the opening in said other plate, a spring for imparting rotation to the shaft, having one of its ends detachably connected with the latter, a casing in which said spring is arranged, the opposite end of the latter being detachably connected therewith and the spring and casing being insertible and removable through the aforesaid opening as a unit, whereby the spring can be repaired without disassembling the aforesaid frame, and means extending across the open end of the casing and detachably connected with the frame for retaining said casing in position, said means including a bearing for the adjacent end of the aforesaid shaft.

- 1,408,366. CLOCKWORK. PETER S. LARSON, Beloit, Wis. Filed May 28, 1921. Serial No. 473,228. 8 Claims. (Cl. 58—52.)



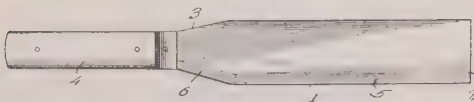
1. A clockwork comprising a frame including a plate provided with an enlarged opening, gearing in said frame, and a power mechanism for said gearing, the power mechanism being removable in a body through the opening of said plate and including a shaft and a bearing for the shaft removably connected with the plate and extending across the opening.

- 1,408,367. WOVEN BASKET. GEORGE EDWARD LEWIS, Ottumwa, Iowa. Filed May 14, 1921. Serial No. 469,491. 1 Claim. (Cl. 217—123.)



The combination with a basket of a bottom support and side brace therefor formed of two arms crossed at right angles under the bottom of the basket mortised at their point of intersection and adapted to support the raised central portion of said bottom.

- 1,408,368. SPADE KNIFE. OWEN HERBERT LEWIS, Hendrum, Minn. Filed Oct. 14, 1916. Serial No. 125,538. 1 Claim. (Cl. 65—10.)

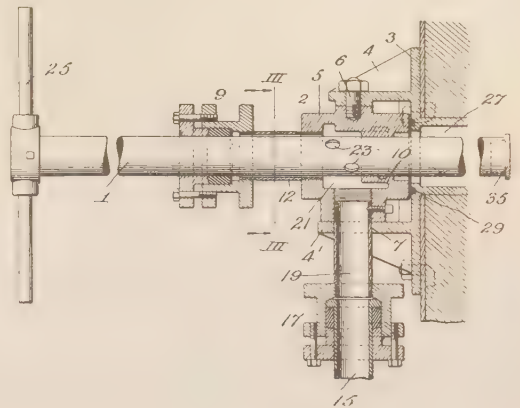


A knife comprising an elongated and comparatively thin flexible blade provided with a handle at one end, said blade tapering in thickness from the handle toward the outer end, with the latter of square shape and relatively blunt, said blade having a shank portion tapering in width toward the handle with the body of the blade of constant width throughout, one long edge of the body of the blade and the edge of the taper shank on the same side of the blade being sharpened.

- 1,408,369. TUBE CLEANER. FREDERICK W. LINAKER and THEODORE M. BRUBACK, Dubois, Pa. Filed Apr. 21, 1919. Serial No. 291,545. 17 Claims. (Cl. 122—392.)

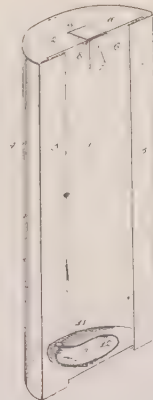
1. A tube cleaner, or the like, comprising a cleaner tube, and a pivotal support therefor, mounted outside the

wall of the boiler furnace, said cleaner tube having a cleaning fluid passage, and jet forming orifices therein,



said tube being slidable in said support, and adapted, when slid out, to swing on the axis of said support into a position alongside the wall of the structure.

- 1,408,370. SCREEN. EDWARD K. LINCOLN, New York, N. Y. Filed Aug. 27, 1920. Serial No. 406,468. 1 Claim. (Cl. 45—105.)

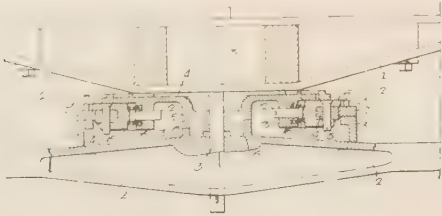


In a device of the class described, the combination of a screen body having a flat rear face and flat end portions, a supporting member therefor having means for frictionally gripping one of said end portions and a portion bent to lie substantially in the plane of said rear face of said body and formed with a nail engaging notch, and an elastic band permanently secured to the inner face of the other of said end portions and forming a loop for embracing the body of the object to be concealed.

- 1,408,371. ANTINOSING DEVICE FOR RAILROAD CARS. MORRIS LINTON, Moorestown, N. J., assignor to The Baldwin Locomotive Works, Philadelphia, Pa.; a Corporation of Pennsylvania. Filed Dec. 23, 1921. Serial No. 524,490. 5 Claims. (Cl. 105—171.)

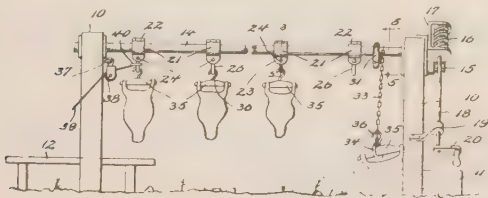
1. The combination in an anti-nosing device for cars, of a spring-pressed plunger carried by one part of the car; and a curved notched plate carried by another portion of the car, the notch in the curved plate being so located that the plunger will rest in the curved plate when the car is traveling on a straight track, but will be forced out of the notch when the car is passing over a curve.

2. The combination in an anti-nosing device for railway cars, of a truck bolster; a body bolster pivotally mounted thereon; a curved notched plate on one of said parts; and a spring-pressed plunger having a roller car-



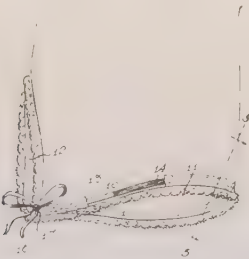
ried by the other part, the notch being so located that when the car, of which the bolsters form a part, is traveling on a straight track, the roller will be located in the notch of the plate.

1,408,372. CARCASS CONVEYER. WILLIE CON LONGLEY, Penn Laird, Va. Filed Oct. 20, 1920. Serial No. 418,308. 8 Claims. (Cl. 17—30.)



1. In a device of the kind described, a rotatable shaft, carriers revolvably mounted on said shaft and arranged for movement longitudinally thereof, and means actuated by the rotation of the shaft for elevating a carcass to a position wherein it is engageable on a carrier.

1,408,373. GARMENT. BERNARD LUSTGARTEN, Brooklyn, N. Y. Filed Oct. 30, 1920. Serial No. 420,774. 1 Claim. (C. 2—122.)

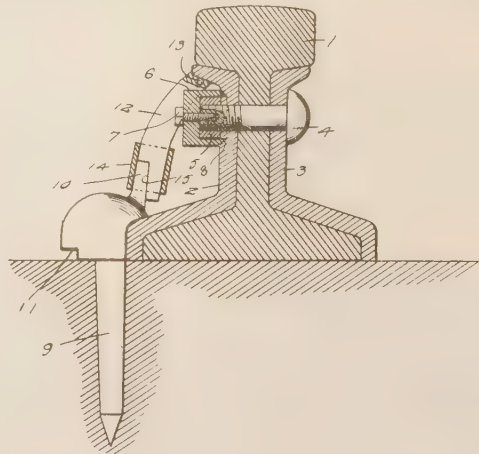


A bifurcated nether garment, the leg portions of which are provided with slits extending up the sides thereof and a draw-string pocket, and a draw-string for the open end of said leg portions, said draw-string comprising an intermediate section of elastic material and end sections of non-elastic material, said draw-string being received within the draw-string pocket in such a manner that the intermediate elastic portion only may be used to provide a bloomer closure, or the use of both the intermediate elastic portion and the non-elastic end portions may be resorted to to provide a loose or open leg closure.

1,408,374. RAILROAD FISHPLATE, SPIKE, AND NUT LOCK. ANGUS McDONALD, New Glasgow, Canada, assignor of one-third to Harold Putnam, Truro, Nova Scotia, Canada, and one-third to Charles T. Conrad, Halifax, Nova Scotia, Canada. Filed July 29, 1921. Serial No. 488,352. 2 Claims. (Cl. 238—262.)

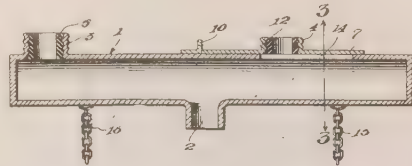
1. In a rail joint, a fish plate at one side of the joint, a spike securing the lower edge portion of the fish plate,

a brace between the head of the spike and the upper edge portion of the fish plate, and inter-engaging means be-



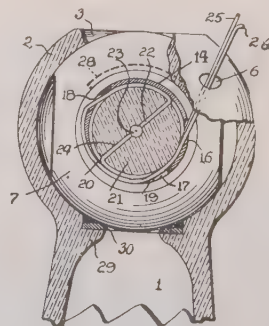
tween the respective ends of the brace and the head of the spike and the upper edge portion of the fish plate respectively.

1,408,375. HOT AND COLD WATER MIXER. ABRAHAM MANELIS, Chicago, Ill. Filed Jan. 15, 1921. Serial No. 437,465. 4 Claims. (Cl. 137—111.)



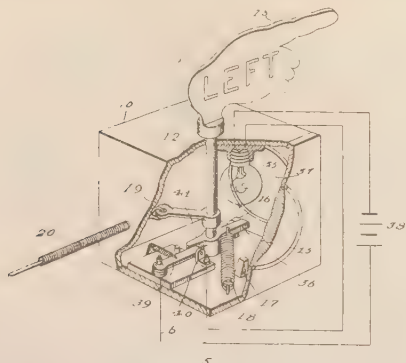
1. In a hot and cold water mixer, an elongated body provided with an outlet branch, an inlet sleeve rigidly connected to said body adjacent one end, said body provided with an elongated slot, a plate slidably carried by said body movable over said slot, and an inlet sleeve carried by said plate and registering with said slot.

1,408,376. NONREFILLABLE BOTTLE. VLADA MILITZ, Detroit, Mich. Filed Oct. 25, 1920. Serial No. 419,455. 3 Claims. (Cl. 215—17.)



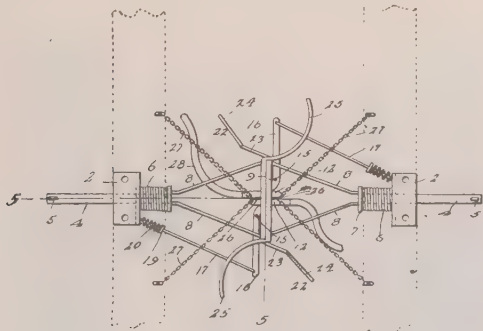
3. The combination of a bottle neck, a rotary closure member therein, retractile means maintaining said closure member normally closed, a flexible member attached to said closure member and adapted to be pulled down upon to open said closure member, and means within said bottle neck adapted to sever said flexible member when said closure member assumes a normally closed position.

1,408,377. AUTOMOBILE DIRECTION SIGNAL. HARLEY M. MOFFETT, Deshler, Ohio. Filed June 24, 1919. Serial No. 306,305. 2 Claims. (Cl. 116—36.)



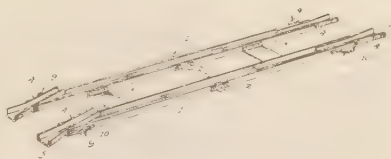
1. In a system of automobile direction signals, a plurality of indicating devices independently controlled, located at the front of the vehicle and on either side thereof, a signal positioned at the rear of the vehicle, and means for controlling the rear signal when either of the front signals is operated, said means including a pair of T-shaped levers, corresponding ends of the levers being connected respectively with the front indicating devices, and oppositely located portions of the levers being connected with the rear signal, and a pedal connected with one element of each T lever.

1,408,378. AUTOMATIC TRAIN-PIPE COUPLING. HAROLD N. MOORE, Kearney, Nebr. Filed June 22, 1920. Serial No. 390,775. 2 Claims. (Cl. 285—58.)



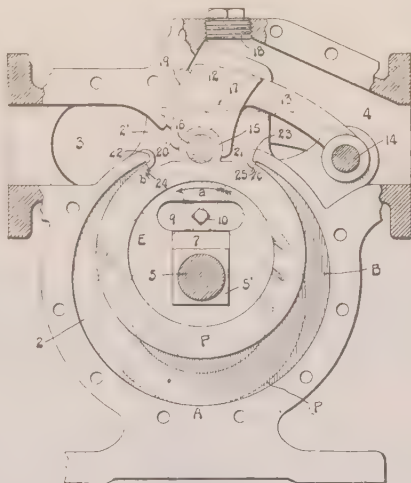
1. In a train line or similar coupling means, the combination of two cars; of depending brackets at the confronting ends of the cars, a frame arranged outward of each bracket, a shank therefor guided through the respective brackets, spring means influencing the shanks to move the latter and the frames carried thereby outward of the brackets, means for limiting such movement, co-operating guides and sockets between the respective frames, a coupler head on each of the frames connected with the fluid line pipe and having a compressible gasket at the mouth thereof, each of said heads having opposite beveled faces, a lever pivoted on each of the frames opposite the mouth of the coupler heads, and spring influenced links between the levers and the respective brackets exerting a pressure against the levers to swing the same on their pivots to bring the opposite ends thereof against the coupler heads to force the latter together and compress the gaskets therebetween.

1,408,379. TURNTABLE. HARVEY E. MOORE, Peoria, Ill. Filed May 20, 1921. Serial No. 471,265. 11 Claims. (Cl. 104—44.)



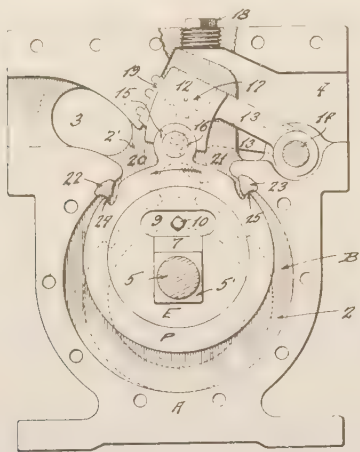
1. A turntable for vehicles including in its construction a support to receive and carry the vehicle, a substantially central mounting for the support upon which it is designed to pivot, and means normally free to turn with said support adapted to be moved into frictional engagement with the floor surface between the position of the front and rear wheels of said vehicle.

1,408,380. ROTARY PUMP AND ENGINE. GEORGE F. MOORS, St. Louis, Mo., assignor to Recip-Roto Engine Company, St. Louis, Mo., a Corporation of Delaware. Filed Nov. 5, 1918. Serial No. 261,258. 5 Claims. (Cl. 103—44.)



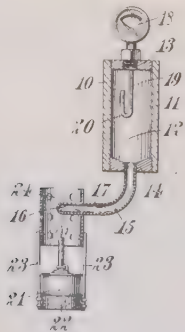
1. The combination of a cylinder provided with inlet and outlet ports, a piston in said cylinder, said piston being smaller in diameter than the internal diameter of said cylinder, a pivot from which said piston oscillates in said cylinder, a rotary member on which said piston is eccentrically mounted so as to cooperate with the circular inner face of the cylinder, the eccentrically mounted piston being movable away from the inlet port and toward the outlet port to provide for the admission and discharge of fluid, said eccentrically mounted piston being also movable, on the axis of said pivot, from an extreme position adjacent said outlet port to an initial position adjacent said inlet port, and means for closing one of said ports during the last mentioned movement of the piston, said means comprising lapping valve elements on said piston and cylinder, and the co-operating faces of said lapping valve elements being approximately concentric with said pivot.

1,408,381. ROTARY PUMP AND ENGINE. GEORGE F. MOORS, St. Louis, Mo., assignor to Recip-Roto Engine Company, St. Louis, Mo., a Corporation of Delaware. Filed Nov. 24, 1919. Serial No. 340,179. 8 Claims. (Cl. 103—44.)



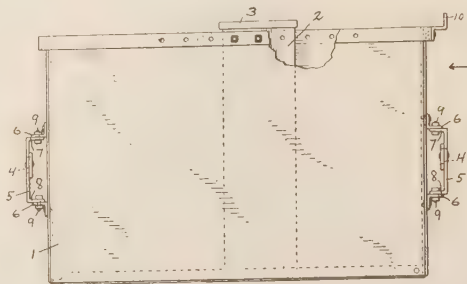
1. The combination of a cylinder, a piston in said cylinder, said piston being smaller in diameter than the internal diameter of said cylinder, a rotary member on which said piston is eccentrically mounted so as to cooperate with the circular inner face of said cylinder, an abutment extending from the eccentrically mounted piston, said cylinder having inlet and outlet ports at opposite sides of said abutment, and valve elements on said piston and cylinder having valve faces which cooperate with each other to open and close one of said ports, one of said valve elements being a rigidly anchored casting molded with a valve face conforming to movements of the eccentrically mounted piston, so as to close the last mentioned port while the piston is separated from the circular inner face of the cylinder.

1,408,382. VULCANIZING APPARATUS. HARRY EDWARD MORRIS, Enfield, England, assignor to Harvey Frost and Company Limited, London, England. Filed Sept. 13, 1921. Serial No. 500,282. 4 Claims. (Cl. 18—18.)



1. In vulcanizing apparatus, a steam-heating unit comprising a steam-and-water container whereof heat can be applied, forming a completely closed vessel which contains little or no air, but a quantity of water which shall be sufficient only to fill the vessel with steam at a predetermined temperature appropriate to the operation of vulcanization.

1,408,383. BATCH BOX. JOSEPH H. MOSEL, Lakewood, Ohio, assignor to The Lakewood Engineering Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 12, 1920. Serial No. 380,784. 3 Claims. (Cl. 294—68.)

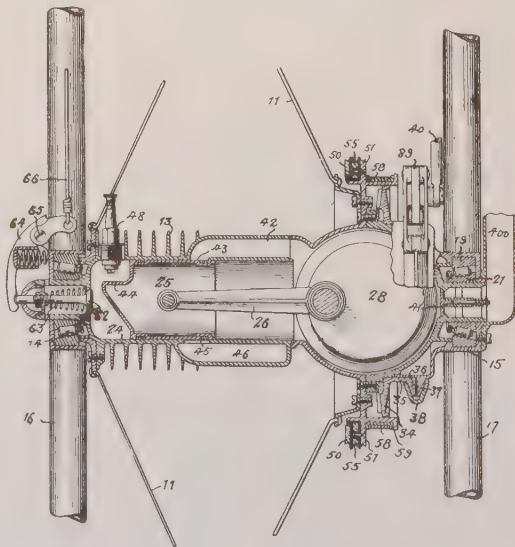


1. The combination with a batch box, of a member provided with a center of rotation for the batch box, and means for securing said member to the batch box with the center of rotation in different positions.

1,408,384. COSMETIC LOTION. THOMAS J. NEWLYN, El Paso, Tex. Filed June 21, 1920. Serial No. 390,472. 3 Claims. (Cl. 167—9.)

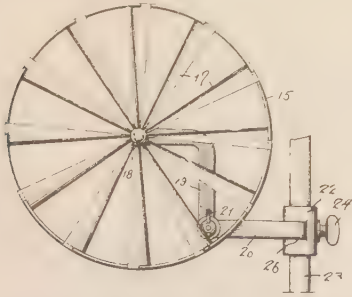
1. A liquid compound for causing the outer skin to peel or slough off, comprising resorcin, glycerine, alcohol and water, the resorcin being sufficient to produce an escharotic action upon the outer layer of the epidermis, glycerine sufficient to prevent any irritating or burning effect of the resorcin and alcohol and water amounting together to substantially 70% of the mixture.

1,408,385. MOTOR WHEEL. RICHARD T. NEWTON, New York, N. Y. Filed Feb. 24, 1917. Serial No. 150,748. 10 Claims. (Cl. 123—43.)



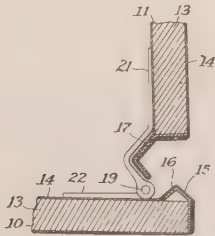
9. A motor wheel having a rotary explosion engine comprising an explosion cylinder, the axis of which lies substantially at right angles to the plane of the wheel, a rotor driven by the engine and lying in a plane parallel to the plane of the wheel, a pinion carried thereby with its axis lying in the axial plane of said rotor, and a gear ring meshing with said pinion, and means for holding said gear ring stationary to rotate the engine when the latter is in operation.

1,408,386. GLARE SCREEN. RICHARD T. NEWTON, New York, N. Y. Filed Feb. 25, 1920. Serial No. 361,135. 7 Claims. (Cl. 296—97.)



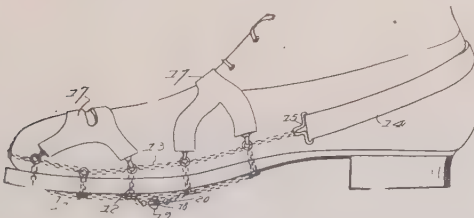
4. The combination with an automobile having a wind shield, of a glare screen comprising a wind-driven rotor having light obstructing areas, and means for mounting the same adjacent the wind shield in the line of vision of the driver.

1,408,387. JOINT FOR HINGED COVERS. EDGAR B. NICHOLS and CLARENCE W. CARROLL, Rochester, N. Y., assignors to The Pfaudler Company, Rochester, N. Y. Filed Dec. 30, 1920. Serial No. 434,067. 6 Claims. (Cl. 220—32.)



1. The combination, with a cover having a fixed portion and a movable portion with straight meeting edges, of a ridge on one of said edges and a projection on the other edge adapted to overlie said ridge; and hinges fixed to both portions of the cover and having their pintles at a distance from said ridge.

1,408,388. ANTISLIPPING SANDAL. BERT NOBLETTE, Winchester, Ky. Filed July 9, 1921. Serial No. 483,524. 3 Claims. (Cl. 36—63.)

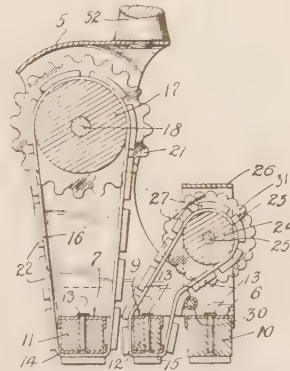


1. An anti-skid sandal having a tread of strands arranged in mesh form and means for securing the same in operative relation with the tread portion of a shoe in combination with a revoluble tread element for arrangement in a mesh of said tread.

1,408,389. HAND STAMP. PETRUS LEONARD NORDIN, Minneapolis, Minn. Filed Aug. 10, 1921. Serial No. 491,102. 5 Claims. (Cl. 101—111.)

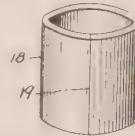
1. The combination with a frame, of two outer platen bars and an intermediate platen bar edgewise spaced the

one from the other, two sets of wheels journaled on the frame over the platen bars, elastic beds on the platen bars, wearing strips on one of the outer elastic beds and



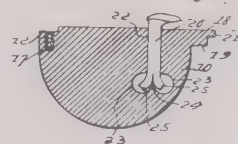
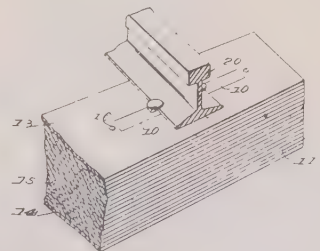
the intermediate elastic bed, type carrying ribbons arranged to run over said wheels and said wearing strips, and type on the other outer elastic bed.

1,408,390. PROCESS OF FORMING PIPE UNIONS. AUGUST NORDLUND, Evanston, Ill. Filed Feb. 17, 1919. Serial No. 277,399. 4 Claims. (Cl. 29—157.)



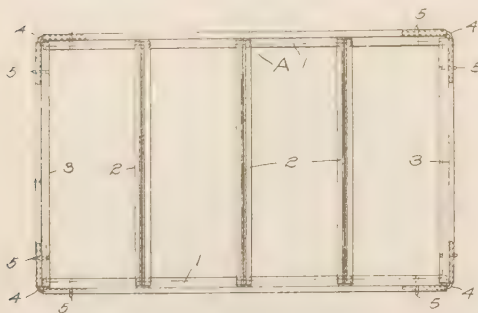
1. The process of forming a pipe union member which comprises applying welding heat to a rectangular blank bent into cylindrical form and during said heat, or before said blank has cooled from same, forming up, welding the ends and upsetting said blank into the form of a pipe-union.

1,408,391. ANCHORING MEANS FOR TRACK RAILS. GEORGE F. A. OCHS, Newark, N. J. Filed May 2, 1921. Serial No. 466,002. 3 Claims. (Cl. 238—369.)



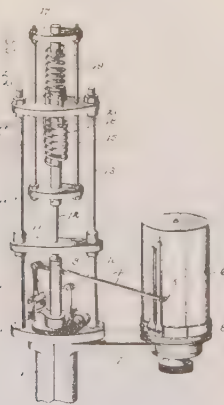
1. An anchoring device for attaching a rail to a tie, consisting of an anchor block removably inserted in a seat in the tie and provided with a spike channel having a spike splitting wedge at the lower end thereof, the block being provided at its outer end with a countersunk seat for the reception of the marginal plate of the tie.

1,408,392. METAL CRATE. ARTHUR T. O'DEA, Pittsburgh, Pa. Filed Oct. 23, 1920. Serial No. 418,959. 12 Claims. (Cl. 220-6.)



1. A crate frame including longitudinal members comprising hollow angular members formed of sheet metal and having the edges of the sheet metal spaced apart to form a projecting flange and notched at intervals to form a double tongue, and hollow angular transverse members extending at right angles to said longitudinal members and having their ends engaged by said tongues whereby each double tongue projects into the hollow interior of the member and extends longitudinally thereof.

1,408,393. INDICATOR FOR ENGINES. WILLIAM T. ORR, Highland Park, Mich. Filed Mar. 10, 1919. Serial No. 281,688. 11 Claims. (Cl. 234-21.)

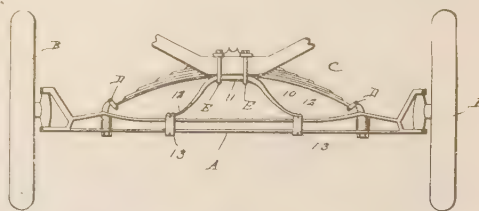


5. In a device of the character described, the combination with a cylinder adapted to be connected to the cylinder of an engine, a piston in said cylinder, and indicating means operated by movements of said piston, of a spring rigidly secured at one end and adapted to be loosely connected to said piston at its opposite end to resist movement of the piston in one direction, and a second spring rigidly secured at one end and loosely connected with said piston at its opposite end to resist movement of the piston in an opposite direction.

1,408,394. AUXILIARY SPRING. ARTHUR H. PELTIER, Bristol, Tenn. Filed Oct. 25, 1920. Serial No. 419,317. 2 Claims. (Cl. 267-48.)

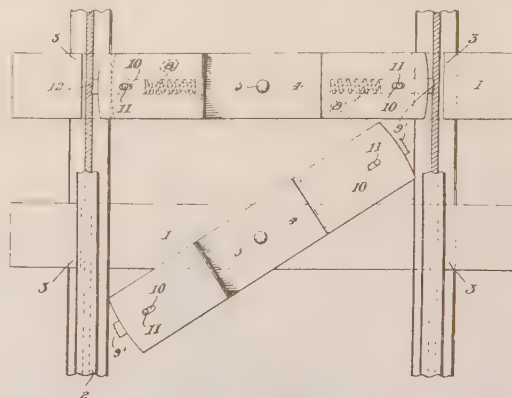
1. In combination with the front axle and transverse spring of an automobile, an auxiliary spring disposed against the underside of the spring and secured thereto

by the usual spring clip, inverted U-shaped brackets carried by the ends of the auxiliary springs and straddling



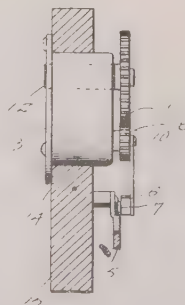
the axle, and rollers journaled within said brackets and engaging against the top and bottom of the axle.

1,408,395. RAIL TIE AND FASTENER. ANTON POKORNY, Wyndmere, N. D. Filed Aug. 16, 1921. Serial No. 492,744. 3 Claims. (Cl. 238-339.)



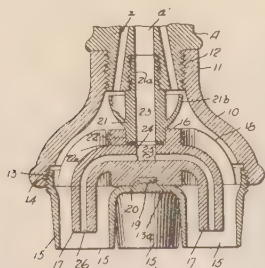
1. A rail tie and fastener comprising in combination with a tie having rail seats, and integral rail engaging clamps carried by the tie, a bar pivoted centrally of said tie and means carried by the end of said bar for engaging the rails to hold the same in position on the tie, said means including tensioned shoes slidably mounted in the ends of the bar.

1,408,396. LOCK SWITCH. HARRY C. RABER, Vanzant, Mo., assignor of one-half to William R. Barker, Vanzant, Mo. Filed Nov. 23, 1917. Serial No. 203,562. 1 Claim. (Cl. 200-44.)



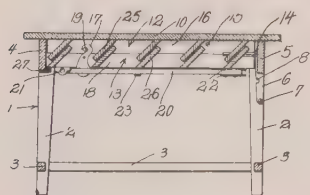
A switch device including a key-operated lock, means turnable by operation of the key having a gear wheel, a gear wheel smaller than said gear wheel in driving relation therewith and journaled on the lock, an arm operated by the second gear wheel, a rest means and contact with substantially flush surfaces over which said arm travels and stops, one on said rest means and one on said contact to limit movement of the arm.

- 1,408,397. PLURAL-STREAM-DISTRIBUTING ATTACHMENT FOR SODA-WATER DRAFT ARMS. CHARLES REED RAGSDALE, St. Louis, Mo. Filed May 4, 1921. Serial No. 466,721. 10 Claims. (Cl. 225-23.)



1. A plural distributing attachment for a soda fountain draft arm, comprising a head adapted at its upper end for connection with the draft arm to receive a coarse stream, said head having a plurality of depending coarse stream nozzles, a separate fine spray element seating within said head at the bottom thereof and having a plurality of spray nozzles extending respectively therefrom into said coarse stream nozzles and spaced from the latter to allow the coarse stream flow, and an internal fitting above said fine spray element and having means to connect it with the fine stream passage of the draft arm, said fine spray element being detachably held between its seat and said fitting.

- 1,408,398. COMBINATION TABLE AND LADDER. FRANK X. RATKOVIC, Ettna, Pa. Filed Jan. 24, 1921. Serial No. 439,549. 5 Claims. (Cl. 45-31.)

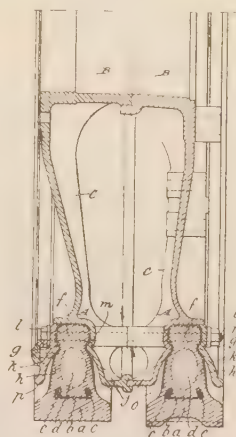


1. In combination with a table including a frame and a top plate, a lower ladder section permanently secured to the under face of said plate in substantial parallelism therewith and pivoted to the frame for turning movement about an axis extending transversely of the frame, and an upper ladder section hinged to said lower section.

- 1,408,399. TIRE AND WHEEL RIM TO BE USED THEREWITH. FRANK REDDAWAY and GEORGE JOHN RACKHAM, London, England. Filed Mar. 22, 1921. Serial No. 454,469. 6 Claims. (Cl. 152-1.)

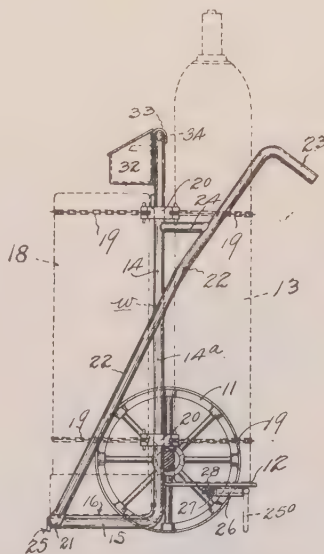
4. A tire having a portion of hard rubber forming a tread of rectangular section reinforced by canvas and by cords at its base, a resilient portion of soft rubber of less width than the tread and of a depth greater than its width, and an inner portion of hard rubber having a groove on each side, a portion of the hard rubber of the inner por-

tion being extended on each side of the resilient portion of the tread, and a canvas covering which extends around the



last mentioned portion and extends over the sides of the resilient portion.

- 1,408,400. TRUCK FOR GAS TANKS. GEORGE W. RICHARDS, Altoona, Pa., assignor of one-half to William P. Geib, Altoona, Pa. Filed May 2, 1921. Serial No. 466,314. 2 Claims. (Cl. 280-53.)



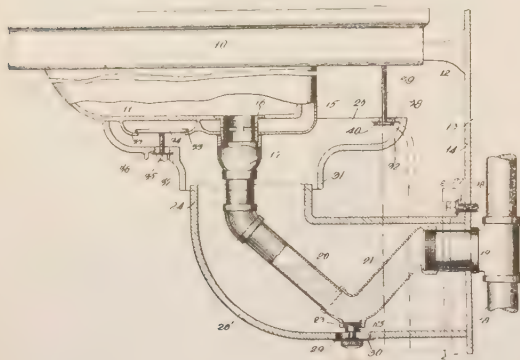
1. A truck of the class described including a frame of substantially U-shaped formation and having the lower portions thereof offset at an angle, brace members extending upwardly from the end of the offset portions of the frame and attaching to the intermediate portion of said frame, said braces being continued to provide handle members, an axle secured to said frame, and a platform carried by the offset portion of the frame and projecting to opposite sides thereof.

- 1,408,401. MANUFACTURE OF MOLDED ARTICLES FROM CEMENT. WALTER EDWIN WINDSOR RICHARDS, Southall, England. Filed Nov. 29, 1918. Serial No. 264,622. 2 Claims. (Cl. 106-24.)

1. The method of making molded cement articles which consists in adding powdered clay up to ten parts to a

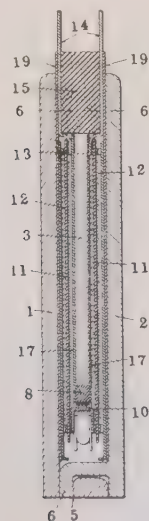
mixture of from thirty to forty-five parts of ground cement and fiber, and mixing the same therewith, then mixing the resultant composition with water to form a freely flowing mixture, molding the desired article under pressure.

1,408,402. WASHBASIN. ALFRED ROGERS, Milton, Mass. Filed June 17, 1920. Serial No. 389,590. 7 Claims. (Cl. 4—1.)



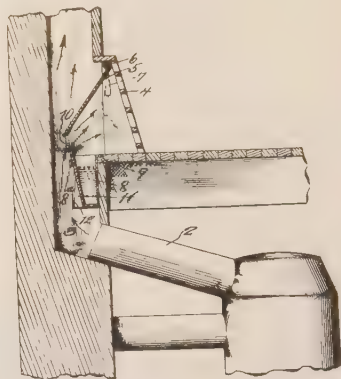
1. The combination with a wash basin and an associated waste pipe therefor which has a horizontal outlet portion, of a tubular housing of non-corrodible material enclosing and concealing said waste pipe from end to end, said housing being formed in separable sections with overlapping ends.

1,408,403. ELECTRIC HEATING DEVICE. EDWIN H. RUEHL and ARTHUR L. RUEHL, St. Louis, Mo. Filed Apr. 15, 1921. Serial No. 461,611. 10 Claims. (Cl. 219—67.)



1. In a heating device, the combination of a heating element, a casing therefor divided longitudinally into two parts, one of said parts being provided with a locking projection at one end and the other part with an opening or recess to receive said projection, and means for fastening the other ends of said casing parts together.

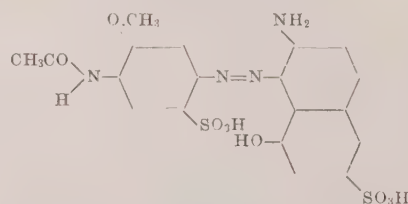
1,408,404. MOISTENER FOR HOT-AIR FLUES FOR HOT-AIR FURNACES. PETER J. A. SCHNOOR, Holstein, Iowa, assignor of one-half to Buel Couch, Sioux City, Iowa. Filed Mar. 29, 1920. Serial No. 369,509. 7 Claims. (Cl. 98—51.)



6. The combination with a hot air flue having a register, of a water receptacle arranged in the flue with its upper marginal edge flush with the flooring, means engaging the flooring to assist in supporting the receptacle, said receptacle having additional means yieldably engaging the sides of the flue to further assist in supporting the receptacle, the innermost longitudinal upper edge having a flange curved toward the register for directing the hot air through the register.

1,408,405. AZO DYES. BERNHARD SCHÖNER and OTTO SIEBERT, Dessau, Anhalt, Germany, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed Aug. 30, 1921. Serial No. 496,960. 6 Claims. (Cl. 8—1.)

6. The herein-described new azo dye, the general formula of the free acid being:

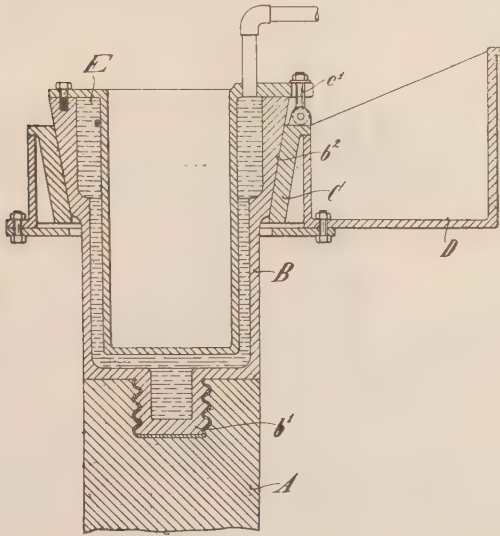


being in the dry state a dark powder soluble in water to a bluish red solution from which wool is dyed bluish red, less soluble in alcohol, insoluble in ether and benzene, being destroyed by reducing agents yielding upon reduction 1,2-diamino-8-oxynaphthalene-6-sulfonic acid and 1-amino-4-monoacetyl-amino-5-methoxybenzene-2-sulfonic acid.

1,408,406. MOUNTING FOR ELECTRODES WITH COOLED METALLIC HEAD. CURT SCHRAEPLER, Essen-on-the-Ruhr, Germany, assignor to Fried. Krupp, Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Mar. 25, 1914. Serial No. 827,209. 2 Claims. (Cl. 204—64.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

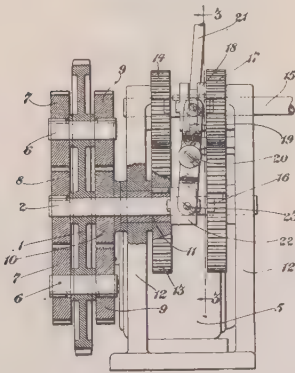
1. A metallic mounting for a vertically arranged electrode, designed for electrical furnace purposes, said electrode being provided with a cooled metallic head, said metallic head being supported by said mounting and being

adapted to support the weight of the electrode; said mounting and head being constructed with corresponding



conical bearing surfaces to insure intimate electrical contact by means of the weight of the electrode solely.

1,408,407. GEARING MECHANISM. MONTGOMERY SCHUYLER, St. Louis, Mo. Filed Oct. 29, 1920. Serial No. 420,397. 12 Claims. (Cl. 74—34.)

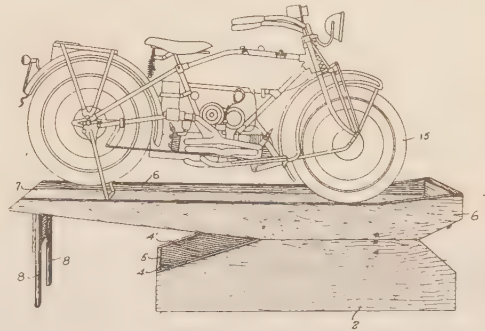


1. In a gearing, a shaft, a pair of independently rotatable central gears on said shaft, planetary gears for operating said first-named gears, an additional shaft, gears on said additional shaft for rotating the same, a shiftable device for selectively holding either of said central gears against rotation, and causing the planetary gears to rotate the other central gear, means under control of said device for controlling the rotation of said additional shaft by said second-named gears, means for shifting said device to position to hold either of the central gears against operation, and power connections driven by the revolving gear.

1,408,408. WORKBENCH. GLENN A. SCOTT, Marion, Ind. Filed Mar. 29, 1921. Serial No. 456,522. 3 Claims. (Cl. 254—88.)

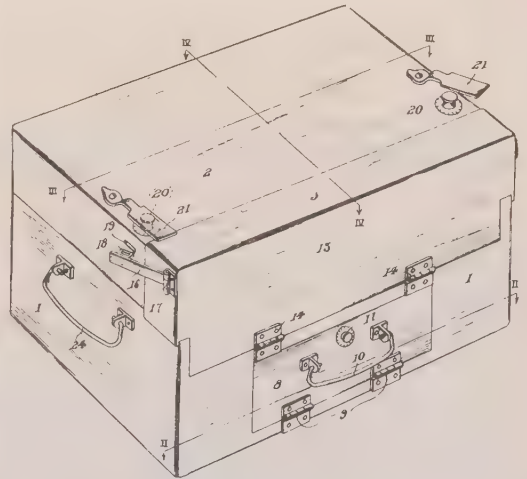
1. In a work bench, a supporting frame including a pair of horizontal faces and a pair of inclined faces, a plat-

form pivoted at the corner formed by the meeting of the horizontal and inclined faces, and means for rigidly sup-



porting the platform in either horizontal or inclined position upon said faces.

1,408,409. TRUNK. WASYL SHULL, Palmerton, Pa. Filed Apr. 7, 1921. Serial No. 459,333. 5 Claims. (Cl. 190—19.)

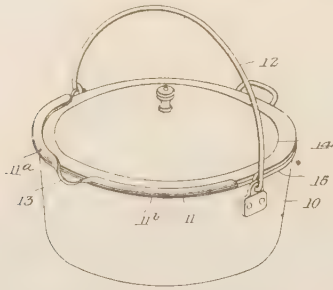


1. A trunk of the type described comprising a base section, a cover section hinged thereto, said sections being of double wall construction, an insulating packing between the walls thereof, compartments formed in the front wall of the base section, a lock controlled door controlling access thereto, a hinged door carried by the base section, said base section having a compartment positioned above the first named compartments accessible by opening the last named door and locking devices for the cover section positioned inwardly of the last named door.

1,408,410. KETTLE-LID HOLDER. EARL P. SIDLE, Kansas City, Mo. Filed Oct. 26, 1920. Serial No. 419,586. 1 Claim. (Cl. 53—8.)

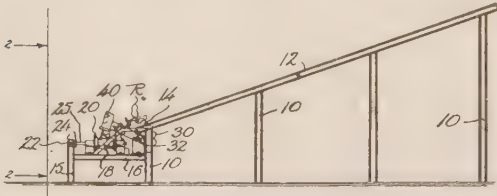
A kettle of the character described comprising a lid holder consisting of an returned lip, said lip including a pair of members extending from the diametrically opposite side portions of the kettle, a bail secured to the sides

1. A solid kettle, a pouring spout formed by said lip in the kettle at one side thereof, and a cover provided for said



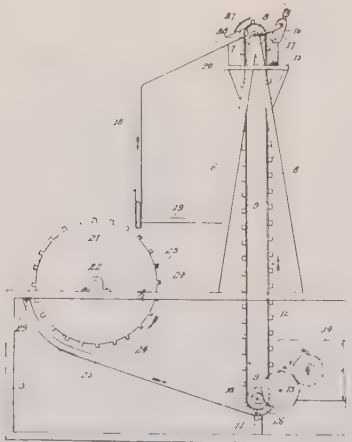
kettle and being held in place during the tilting of the kettle.

1,408,411. AUTOMATIC RAIL FEED. VICTOR SINCOVITZ, Pueblo, Colo. Filed Mar. 9, 1921. Serial No. 450,914. 9 Claims. (Cl. 198—37.)



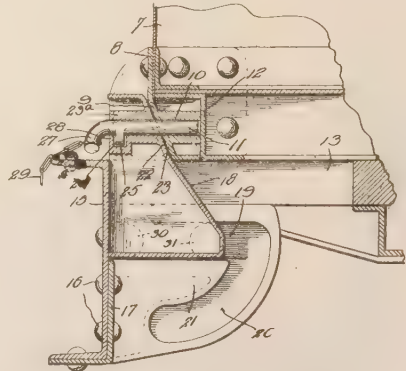
1. A rail feed comprising a trip adapted to be moved by a moving rail, and means operable by said trip to feed a rail.

1,408,412. TOY POWER MACHINE. ADAM SLIWORSKY and PAUL DOROZYNSKY, Winnipeg, Manitoba, Canada. Filed Mar. 31, 1921. Serial No. 457,358. 5 Claims. (Cl. 46—40.)



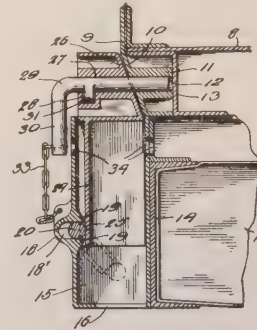
1. A toy power machine of the class described including an elevating conveyor, a rotary pocketed wheel mounted beneath the discharge end of said conveyor, means for delivering weighted elements from the discharge end of the conveyor by gravity to the pockets of said wheel, and means for delivering the weighted elements by gravity from the pockets of the wheel into position to be elevated at the lower supply end of the conveyor, said elevating conveyor including a shaft at its upper end having a crank extension upon one end, a platform rigidly mounted adjacent and directly beneath said crank, and a human figure mounted upon said platform and provided with jointed parts including arms pivotally connected to said crank.

1,408,413. INTERCHANGEABLE CAR UNIT. ALFRED H. SMITH, New York, N. Y. Filed Nov. 5, 1920. Serial No. 422,081. 4 Claims. (Cl. 105—366.)



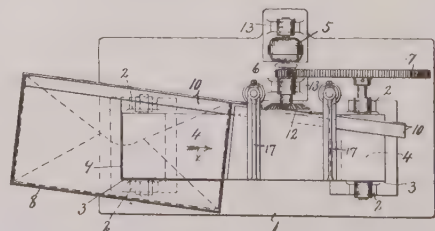
2. The combination with a car having a series of elongated openings through its floor, of a series of stakes secured to said car with shiftable bearings to adapt them to swing in an arc toward the longitudinal center line of the car and through said openings to a point below the plane of the car floor.

1,408,414. ANCHORING MEANS FOR INTERCHANGEABLE CAR UNITS. ALFRED H. SMITH, New York, N. Y. Filed Nov. 5, 1920. Serial No. 422,082. 3 Claims. (Cl. 105—366.)



1. The combination with a flat car, of a series of freight compartments removably mounted on the car, and a series of disappearing stakes secured to said car and means on said stakes adapted to lock said compartments to said stakes; said stakes comprising a vertically moving member, and a bolt mounted in the head thereof.

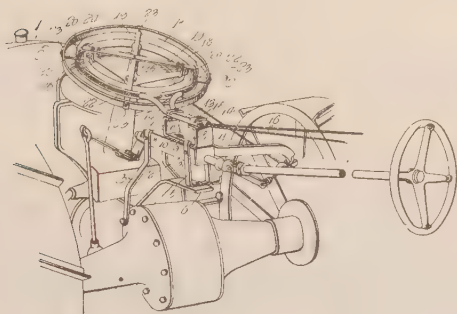
1,408,415. ENVELOPE OPENER. ALVA T. SMITH, Syracuse, N. Y. Filed Feb. 7, 1921. Serial No. 443,319. 5 Claims. (Cl. 164—61.)



1. In a machine for opening envelopes, the combination of a rotary cutter, a conveyor belt movable transversely

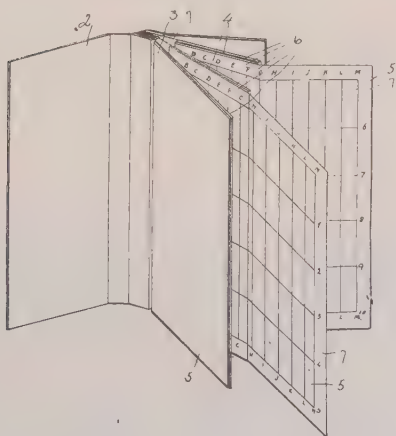
of the axis of the cutter, a receptacle for stacked envelopes to be opened overhanging a portion of the conveyer belt and having an opening in its bottom to allow the lowermost envelope of the stack to rest upon the underlying belt, and a guide extending from one side of the receptacle to the cutter at an acute angle to the axis of rotation of said cutter.

- 1,408,416. STEERING MECHANISM FOR TRACTORS. ERIC N. SMITH and HERBERT H. DILLINGER, Hoytville, Ohio. Filed Apr. 7, 1921. Serial No. 459,283. 11 Claims. (Cl. 180—77.)



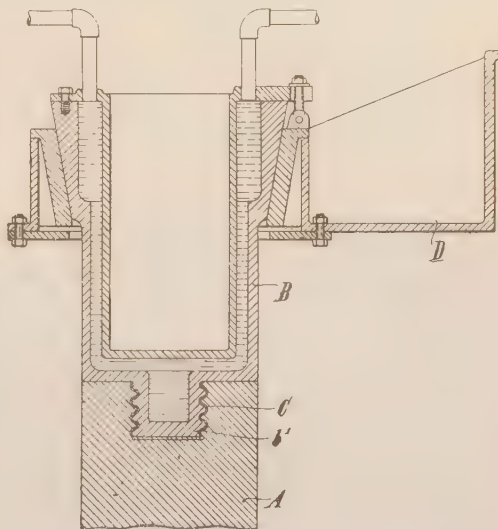
1. A steering mechanism comprising a supporting structure to be mounted to the rear of a steering wheel, tubular guides carried by said supporting structure and having their forward end portions extending in diverging relation for extending circumferentially of a steering wheel, the tubular guides being adapted to receive the end portions of a steering line having its intermediate portion passed about a steering wheel in front of said bracket.

- 1,408,417. GUIDE MAP. ALFRED A. SODERBERG, Philadelphia, Pa. Filed May 3, 1918. Serial No. 232,254. 4 Claims. (Cl. 283—34.)



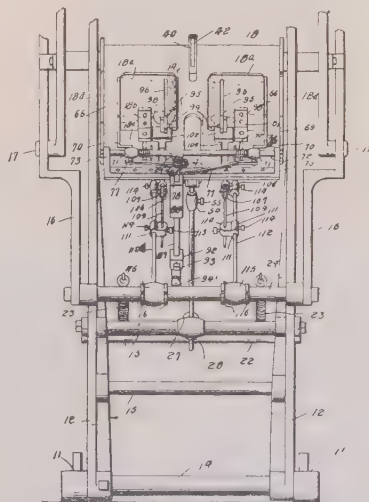
1. A guide map holder comprising a cover folded in the middle, a plurality of folder sheets having their inner ends connected with the cover at the folds, said folder sheets being folded in zig-zag fashion to produce leaves or pages, the end pages or leaves being wider than the middle pages or leaves.

- 1,408,418. ELECTRODE WITH COOLED METALLIC HEAD. MARTIN SPERLING, Essen-on-the-Ruhr, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Aug. 25, 1913. Serial No. 786,529. 3 Claims. (Cl. 204—64.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.)



1. An electrode and its head, having a projection on one part entering a recess on the other part, the walls of said projection and recess having a space between them containing a metal whose fusing point is sufficiently low to be fused by the heat developed by the current flowing through the electrode said projection being hollowed out for a cooling fluid in order to normally keep said metal in a solid condition.

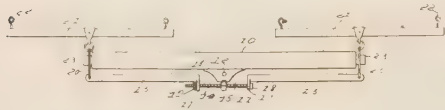
- 1,408,419. JOGGING MECHANISM FOR PRINTING PRESSES. DE FOREST S. STONE, Takoma Park, Md. Filed Feb. 21, 1921. Serial No. 446,596. 18 Claims. (Cl. 271—89.)



1. A jogging mechanism for attachment to the feeder of a printing press comprising the combination with the feeding table and main levers of the feeder, of paper jogging members connected with said table and with the

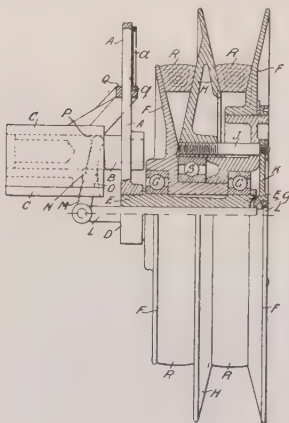
main levers of the feeder to jog the printed paper into an even pile on said table as the sheets are delivered thereto during movement of said table and the main levers of the feeder.

1,408,420. DOUBLE TREE. FRED L. STORER, Kelly, Wyo. Filed June 13, 1919. Serial No. 304,078. 1 Claim. (Cl. 278—19.)



A double tree comprising a draft bar, an intermediately positioned bearing block mounted on the rear edge of the draft bar and formed itself with a seat in the rear edge, a pair of relatively adjustable elements each of which is provided with an elongated guide link at one extremity, the said guide links embracing guide studs at the extremities of the draft bar, single trees attached to the guide links, and an adjusting member connecting said elements and consisting of a bolt provided at one end with a head and at the other end with an adjusting nut, the bolt passing through ears formed on the inner ends of said elements, and a nut carried at an intermediate point on the bolt and engaged in the seat in the said bearing block.

1,408,421. VARIABLE-SPEED GEAR. PERCY GEORGE TACCHI, Acton, London, England, assignor to T. A. C. Limited, Hanwell, England. Filed Dec. 10, 1921. Serial No. 521,528. 5 Claims. (Cl. 64—8.)

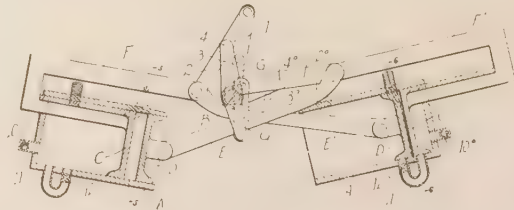


1. In variable speed gear, the combination of a compound pulley having outer flanges and inner flanges and capable as a whole of a swinging movement, a handle adapted to move the pulley and means whereby any movement of the handle which imparts this swinging movement to the pulley positively causes a transverse movement of the outer flanges and an equal and opposite transverse movement of the inner flanges.

1,408,422. INTERNAL-COMBUSTION ENGINE. GEORGE W. TEASDALE, St. Louis, Mo. Filed June 19, 1920. Serial No. 390,231. 14 Claims. (Cl. 123—77.)

1. A four-cycle internal combustion engine, comprising a crank shaft, a pair of cylinders arranged at opposite

sides of said crank shaft and each provided with a power piston and a suction piston, a crank arm on said shaft for each of said cylinders, and means for mechanically connecting each of said crank arms to the power piston

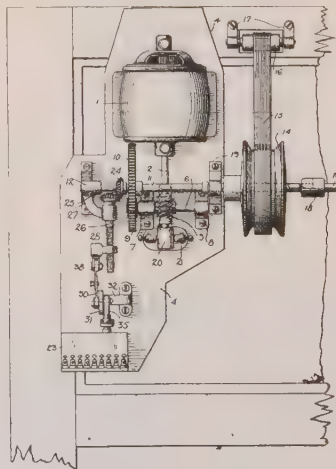


of one cylinder and to the suction piston of the other cylinder whereby a combustible charge will be drawn into each cylinder, compressed, fired and the cylinder scavenged at each revolution of the crank shaft.

1,408,423. CELLULOSE-ESTER COMPOSITION. BYRON E. ELDRED, New York, N. Y., assignor to Chemical Development Company, a Corporation of Maine. Filed Feb. 14, 1918. Serial No. 217,142. 2 Claims. (Cl. 134—79.)

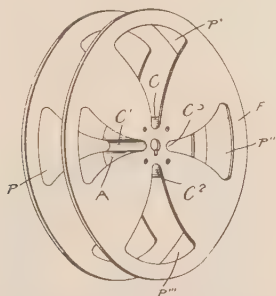
1. A new composition of matter consisting of a solution of cellulose ester in a water soluble olefin chlorhydrin containing water.

1,408,424. AUTOMATIC AWNING-CONTROL DEVICE. WILLIAM GREBLER and LOUIS OSKOW, Brooklyn, N. Y. Filed June 18, 1919. Serial No. 305,163. 3 Claims. (Cl. 156—44.)



2. A control device for awnings comprising an awning, an electric motor, a circuit therefor, connecting mechanism between the awning and the motor, a switch device having a sliding contact positioned by the movement of the awning in series with said motor to interrupt said motor circuit at one of the limits of travel of the awning, a spring motor for moving said awning in one direction, a magnet, a circuit therefor, said circuit including in series therewith a manually operable switch, the first-named switch being controlled by the movement of the awning to open the circuit of the magnet at the other limit of travel of the awning, a holding device driven by the connecting mechanism between the motor and the awning, and a stop member normally engaging said holding device to hold it against rotation, said stop member being positioned adjacent said magnet to be subject to the influence thereof to be withdrawn from the holding device when said magnet is energized.

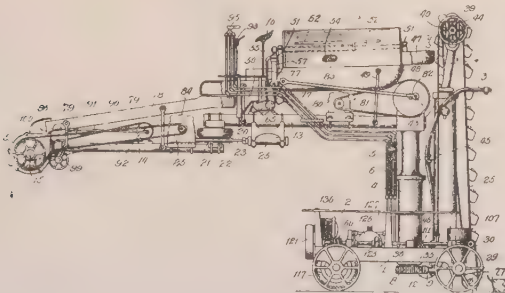
1,408,425. FILM REEL. GERARDO PASSAVANTI, New York, N. Y. Filed Feb. 8, 1919. Serial No. 275,772. 8 Claims. (Cl. 242—70.)



1. A film reel including a hub, said hub having a plurality of finger grooves therein, said grooves being so arranged as to present means for removing the reel from its case.

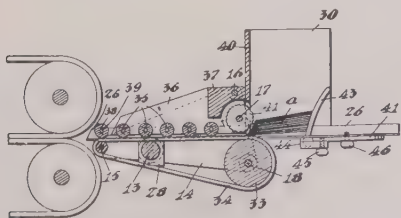
REISSUES

15,292. MACHINE FOR MAKING MOLDS. ELMER O. BEARDSLEY, Chicago, and WALTER F. PIPER, Oak Park, Ill., assignors to The Beardsley & Piper Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 26, 1921. Serial No. 455,988. Original No. 1,335,641, dated Mar. 30, 1920, Serial No. 176,354, filed June 22, 1917. 36 Claims. (Cl. 22—36.)



19. In a machine for filling molds, the combination of a sand projector comprising a casing and a rotor, means for driving the rotor, means for movably supporting the projector so it can be shifted laterally and bodily to project sand into all portions of the mold at a substantially non-variant angle of delivery and means to feed sand to the projector.

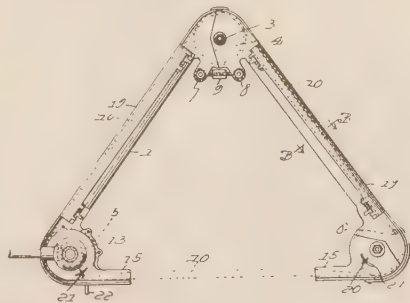
15,293. BLANK FEEDER. LEON E. LA BOMBARD, Chelsea, Mass., assignor to Specialty Automatic Machine Company, Chelsea, Mass., a Corporation of Massachusetts. Filed Dec. 12, 1921. Serial No. 521,931. Original No. 1,352,284, dated Sept. 7, 1920, Serial No. 161,432, filed Apr. 12, 1917. 17 Claims. (Cl. 271—41.)



1. A blank feeding mechanism comprising side guides for a pile of blanks, a friction feeder to act successively

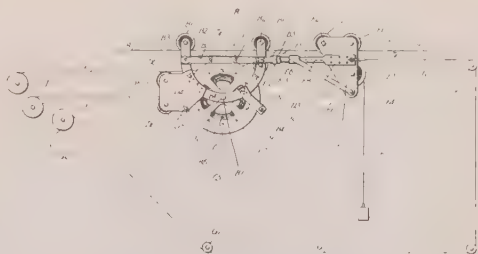
on the lower blanks of the pile, pressing means to engage edge portions of blanks in the pile, and means having a constant tendency to actuate the pressing means to urge the blanks toward said feeder.

15,294. PORTABLE SAWING MECHANISM. ALBERT O. M. LÖFGREN, Stockholm, Sweden, assignor to Arvid Gustaf Michael Hermarck, Djursholm, Sweden, and Oscar Robert Gronkwist, Stockholm, Sweden. Filed Dec. 5, 1921. Serial No. 520,153. Original No. 1,303,809, dated May 13, 1919, Serial No. 265,464, filed Dec. 5, 1918. 14 Claims. (Cl. 143—17.)



1. A portable sawing mechanism comprising a pair of rods, roller housings on the ends of said rods, a pivot connecting a housing at one end of one rod to the housing at one end of the other rod, a roller mounted on said pivot, rollers mounted in the housings at the opposite ends of said rods, a flexible saw running over said rollers, and longitudinal housings pivoted on said rods, the saw running along said rods and through said housings.

15,295. TRAVELING HOIST. RICHARD L. NEUBERT, Knoxville, Tenn. Filed Dec. 29, 1921. Serial No. 525,745. Original No. 1,392,785, dated Oct. 4, 1921, Serial No. 329,695, filed Oct. 10, 1919. 16 Claims. (Cl. 212—89.)

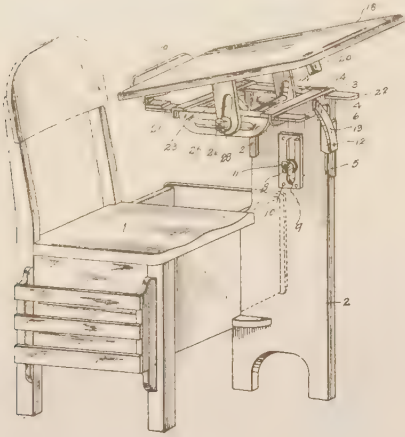


1. In an apparatus of the nature described, the combination of a carriage comprising an extension and means for articulating the extension to the main part of the carriage and guiding the below-mentioned load-line, wheels on the carriage adapted to travel on an elevated track, a multiple pulley, a load-line attached to said pulley and extending along said articulating and guiding means, two cables oppositely applied to said pulley for rotating the pulley, and a line leading to the carriage opposite said pulley cables for drawing the carriage in opposition to said cables substantially as described.

15,296. COMBINED CHAIR AND DESK OR TABLE. ARCHIBALD H. THOMPSON, Syracuse, N. Y., assignor, by mesne assignments, to Empire Seating Co., Inc., Rochester, N. Y., a Corporation. Filed Jan. 24, 1921. Serial No. 439,696. Original No. 1,293,246, dated Feb. 4, 1919, Serial No. 106,708, filed June 29, 1916. 11 Claims. (Cl. 155—128.)

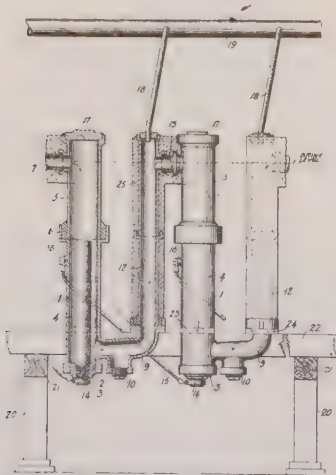
1. In combination with a chair, a vertically-disposed column extending upwardly from the forward portion

thereof and at one side of the chair; a bracket-shaped supporting frame, the vertical limb whereof is adjustably secured to the upper portion of said column; a lid; a pair of guide bars hingedly connected to the lid, said



bars being slidably mounted in horizontally-disposed openings formed in the horizontal members of the frame; and means for securing the lid in its adjusted relation to the supporting frame.

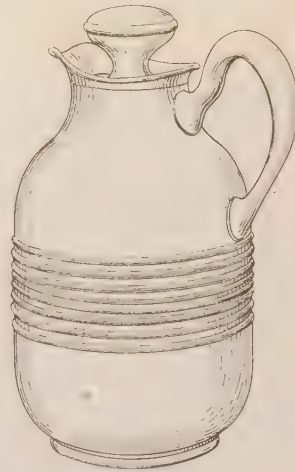
15,297. ELECTROLYTIC APPARATUS. HENRI TOBLER, Hackensack, N. J., assignor to American Bromine Company, Maywood, N. J., a Corporation of New Jersey. Filed Dec. 30, 1921. Serial No. 526,041. Original No. 1,380,853, dated June 7, 1921, Serial No. 422,431, filed Nov. 8, 1920. 8 Claims. (Cl. 204—5.)



1. Electrolytic apparatus comprising a series of metal containers adapted to serve as cathodes at different electrical potentials, means for circulating brine by a tortuous path from one container to another, a carbon anode positioned in each container and about which said brine circulates during electrolysis, each of said containers having an integral extension with a clean-out opening through which sediment deposited from the brine may be flushed out.

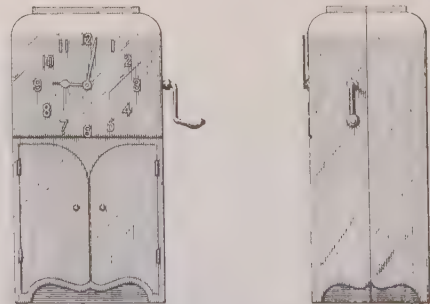
DESIGNS.

60,483. VACUUM-INSULATED JUG. GEORGE P. ALTENBERG, Cincinnati, Ohio, assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio, a Corporation of West Virginia. Filed Jan. 31, 1919. Serial No. 274,380. Term of patent 14 years.



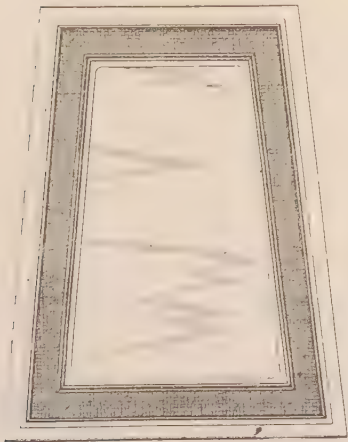
The ornamental design for a vacuum insulated jug, substantially as shown.

60,484. CLOCK OR SIMILAR ARTICLE. JOSEPH BERGER, New York, N. Y. Filed Sept. 23, 1921. Serial No. 502,834. Term of patent 14 years.



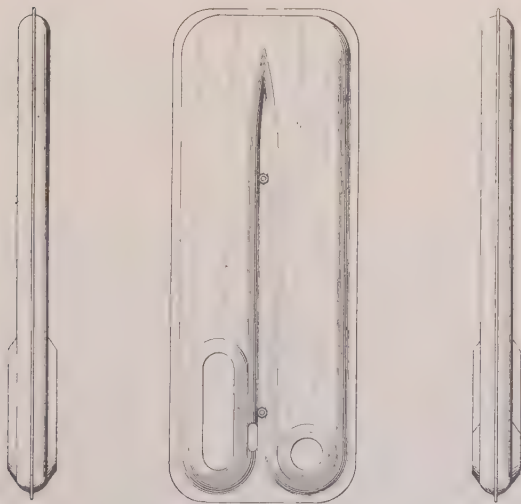
The ornamental design for a clock or similar article as shown.

60,485. PICTURE MOUNT. SILAS E. BUTLER, Toledo, Ohio, assignor to The Gross Photo Supply Company, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 26, 1921. Serial No. 503,389. Term of patent $3\frac{1}{2}$ years.



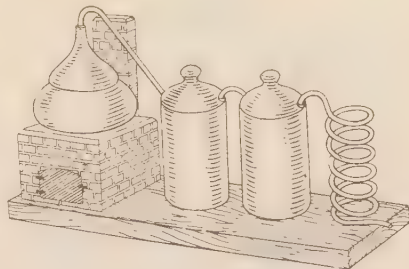
The ornamental design for a picture mount, substantially as shown.

60,486. GAS-RADIATOR SECTION. LEGENDRE CINQ-MARS, San Francisco, Calif. Filed Feb. 9, 1921. Serial No. 443,706. Term of patent 14 years.



The ornamental design for a gas radiator section, as shown.

60,487. DESK UTENSIL—NAMESLY, A PAPER WEIGHT, INKSTAND, OR SIMILAR ARTICLE. MAURICE W. COLLINS, Cheyenne, Wyo. Filed Feb. 7, 1921. Serial No. 443,274. Term of patent 7 years.



The ornamental design for a desk utensil, namely, a paper weight, inkstand, or similar article as shown.

60,488. DOLL. REES DAVIS, Chicago, Ill. Filed Feb. 18, 1921. Serial No. 446,175. Term of patent $3\frac{1}{2}$ years.



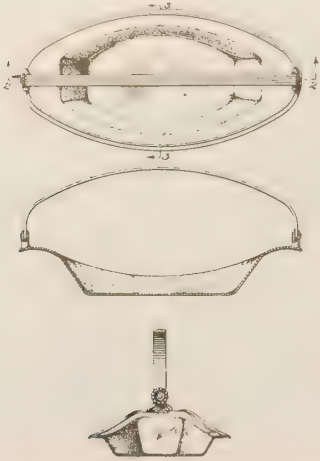
The ornamental design for a doll as shown.

60,489. PLATE OR SIMILAR ARTICLE. MARTIN M. ENGELHARDT, New York, N. Y., assignor to L. Barth & Son, a Partnership composed of Leopold Barth and Harry Barth. Filed June 23, 1921. Serial No. 479,933. Term of patent 14 years.



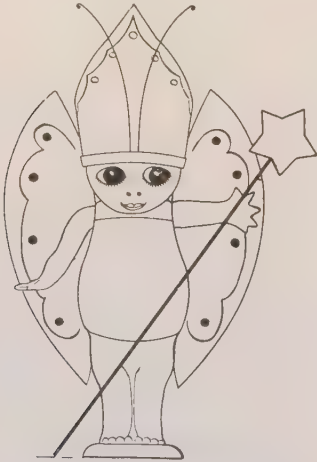
The ornamental design for a plate or similar article, as shown.

60,490. BREAD TRAY OR SIMILAR ARTICLE. VICTOR GAERTNER, New York, N. Y. Filed Aug. 25, 1921. Serial No. 495,402. Term of patent 7 years.



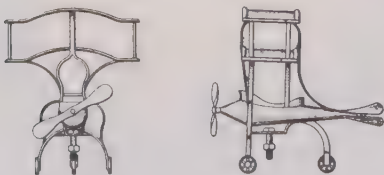
The ornamental design for a bread tray or similar article, as shown.

60,491. DOLL. IDA C. GOWAN, San Diego, Calif. Filed Mar. 10, 1921. Serial No. 451,308. Term of patent $3\frac{1}{2}$ years.



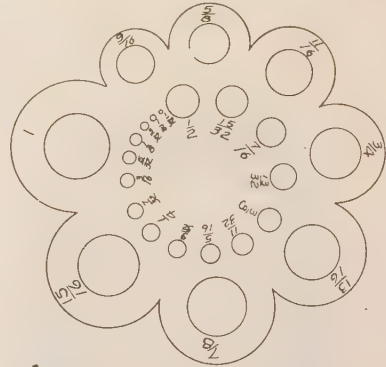
The ornamental design for a doll as shown.

60,492. AUTOMOBILE-RADIATOR ORNAMENT. WILLIAM S. HARRIS, Bremerton, Wash. Filed Dec. 26, 1919. Serial No. 347,607. Term of patent $3\frac{1}{2}$ years.



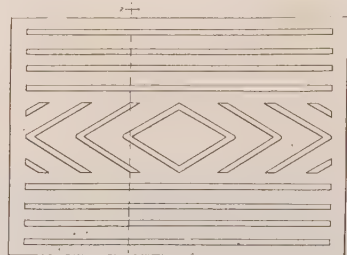
The ornamental design for an automobile-radiator ornament, as shown.

60,493. MEASURING INSTRUMENT FOR DRAFTSMEN'S USE. BERNARD J. HENLEY, Detroit, Mich. Filed Feb. 25, 1921. Serial No. 447,885. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a measuring instrument for draftsmen's use, as shown.

60,494. STEP TREAD. AXEL E. JOHNSON, Muskegon, Mich. Filed Aug. 19, 1921. Serial No. 493,757. Term of patent $3\frac{1}{2}$ years.



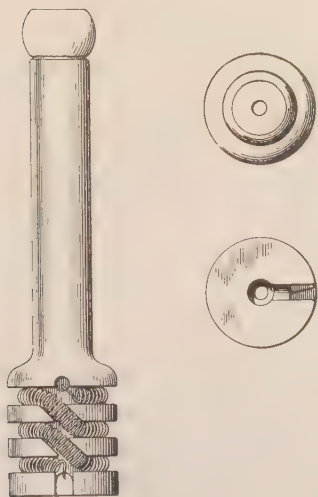
The ornamental design for a step tread substantially as shown.

60,495. FINGER RING. JACQUES KREISLER, New York, N. Y. Filed Dec. 6, 1920. Serial No. 428,823. Term of patent $3\frac{1}{2}$ years.



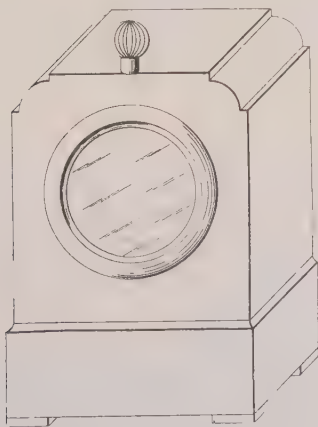
The ornamental design for a finger ring, as shown.

60,496. ELECTRIC IMMERSION HEATER. JAMES F. McCLOSKEY, Wilmington, Del., assignor, by mesne assignments, to Ford & Manion, Wilmington, Del., a Corporation of Delaware. Filed Aug. 11, 1921. Serial No. 491,584. Term of patent 14 years.



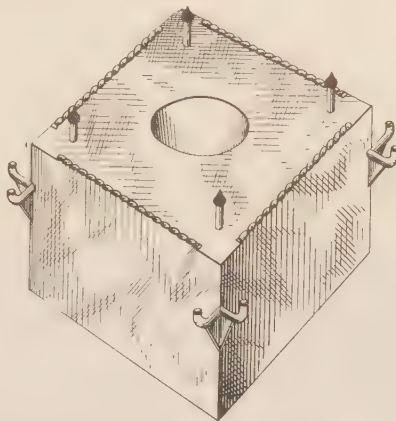
The ornamental design for an electric immersion heater, as shown.

60,497. WATCH-MOVEMENT CASE. SISSAG K. OUZOUN-BOGHOSIAN, Washington, D. C. Filed Dec. 2, 1920. Serial No. 428,094. Term of patent $3\frac{1}{2}$ years.



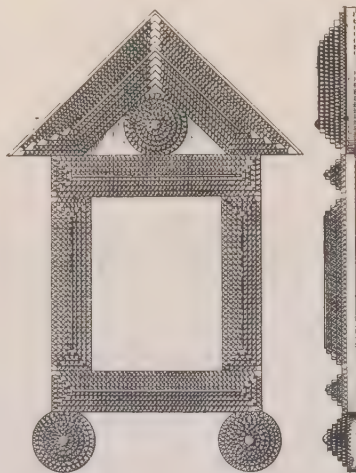
The ornamental design for a watch-movement case, as shown.

60,498. INKWELL. JACOB MITZ, Springhill, Nova Scotia, Canada. Filed Sept. 26, 1921. Serial No. 503,406. Term of patent 7 years.



The ornamental design for an inkwell, as shown.

60,499. FRAME FOR PICTURES, MIRRORS, AND THE LIKE. HAakon PETERSON, Coeur D'Alene, Idaho. Filed Apr. 14, 1921. Serial No. 461,424. Term of patent 14 years.



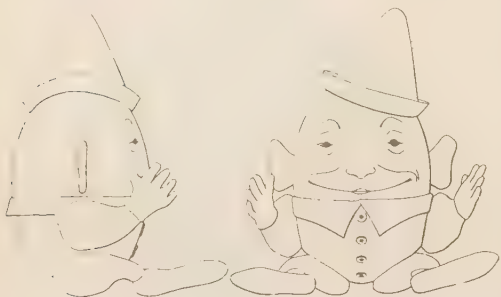
The ornamental design for a frame for pictures, mirrors, and the like, as shown.

60,500. PIN, BROOCH, OR RING. LOUIS ROSENTHAL, Baltimore, Md., assignor of one-half to Louis J. Cohn, Baltimore, Md. Filed June 6, 1921. Serial No. 475,448. Term of patent 14 years.



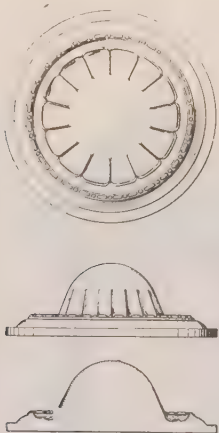
The ornamental design for pin, brooch, or ring, as shown.

60,501. DOLL. CHARLES J. ROSS, Oakland, Calif. Filed Aug. 2, 1921. Serial No. 489,397. Term of patent 7 years.



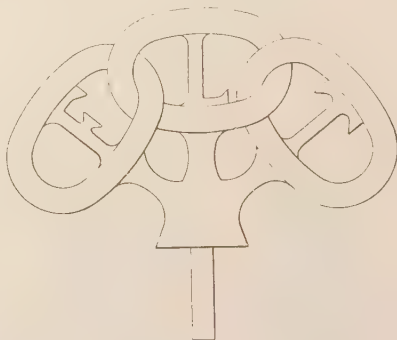
The ornamental design for a doll, as shown.

60,502. LIGHTING-FIXTURE MEMBER OR ARTICLE OF SIMILAR NATURE. BENNIE STIEGER, New York, N. Y. Filed June 16, 1920. Serial No. 389,505. Term of patent $3\frac{1}{2}$ years.



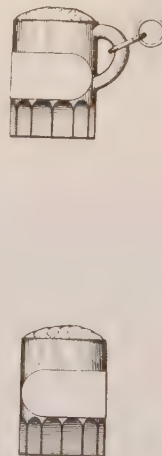
The ornamental design for a lighting fixture member or article of similar nature as shown.

60,503. AUTOMOBILE-RADIATOR ORNAMENT, BADGE, BUTTON, OR ARTICLE OF SIMILAR NATURE. FRANK H. TOPEL, Kenosha, Wis. Filed May 21, 1921. Serial No. 471,502. Term of patent $3\frac{1}{2}$ years.



The ornamental design for an automobile radiator ornament, badge, button, or article of similar nature as shown.

60,504. CHARM. LEO WEINER, Providence, R. I. Filed Oct. 15, 1921. Serial No. 508,024. Term of patent 14 years.



The ornamental design for a charm, as shown.

TRADE-MARKS

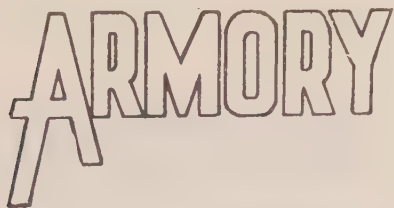
OFFICIAL GAZETTE, FEBRUARY 28, 1922.

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 126,602. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WALKER-MATTESON COMPANY, Joliet, Ill. Filed Dec. 29, 1919.

The word "ARMORY" is written in a large, bold, sans-serif font. The letter 'A' is stylized, with a long vertical stroke that extends below the baseline and a horizontal crossbar that is slightly offset to the right.

Particular description of goods.—Fruit-Jar Rings.
Claims use since Jan. 1, 1912.

Ser. No. 128,422. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) COLUMBUS E. BASS, Boonville, Mo. Filed Feb. 16, 1920.

20th CENTURY

Particular description of goods.—Polish for Auto Bodies and Furniture and Having Incidental Properties as Auto-Top Polish.

Claims use since about Jan. 1, 1920.

Ser. No. 129,032. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WAYAGAMACK PULP & PAPER CO., LIMITED, Three Rivers, Quebec, Canada. Filed Feb. 28, 1920.

WAYAGAMACK

Particular description of goods.—Wood Pulp, Chemical Pulp, Sulphate and Sulphite Pulp, Soda Pulp, and Easy-Bleaching Pulp.

Claims use since 1911.

Ser. No. 130,762. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE TUSCAN TIRE & RUBBER COMPANY, Carrollton, Ohio. Filed Apr. 7, 1920.

The word "BUCKSKIN" is written in a large, bold, sans-serif font. The letters are slightly slanted to the right, giving it a dynamic, forward-leaning appearance.

Particular description of goods.—Rubber Tires for Automobiles.

Claims use since the year 1911.

Ser. No. 131,571. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GEM AIR PERMANENT WAVE Co., New York, N. Y. Filed Apr. 24, 1920.

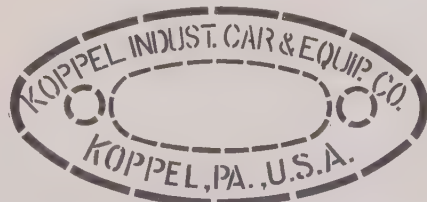
GEM-AIR

The word "Air" is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Hot-Air Hair-Waving Apparatus.

Claims use since September, 1918.

Ser. No. 132,393. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) KOPPEL INDUSTRIAL CAR & EQUIPMENT COMPANY, Koppel and Pittsburgh, Pa. Filed May 13, 1920.



No claim being made to the term "Koppel, Pa., U. S. A." apart from the other features of the mark shown.

Particular description of goods.—Railway Rails, Metal Railway Ties, Fish Plates, Railway Switch Points, Railway Frogs, Railway Crossings, Rail Sole Plates, Rail Anchors, Rail Braces, and Anticreepers.

Claims use since January, 1921.

Ser. No. 134,066. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JERONYMO GESTEIRA, Pará, Brazil. Filed June 23, 1920.

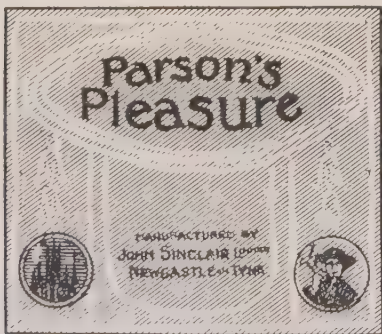


The use of the word "Uterina" being disclaimed apart from the mark shown in the drawing.

Particular description of goods.—A Preparation to be Used Externally, Especially Against White Flowers, Old and Recent Flowing of Humors, and Bleunorrhagia in Women.

Claims use since Jan. 12, 1911.

Ser. No. 134,607. (CLASS 17. TOBACCO PRODUCTS.) JOHN SINCLAIR LTD., Newcastle-on-Tyne, England. Filed July 6, 1920.



No claim is made to the words "Manufactured by John Sinclair, Limited, New Castle on Tyne" apart from the mark as shown on the drawing. The lining of the mark is shading only.

Particular description of goods.—Smoking Tobacco, Chewing Tobacco, Cigars, and Cigarettes.

Claims use since Nov. 3, 1919.

Ser. No. 135,918. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DUPUIS CHEMICAL CO., Los Angeles, Calif. Filed Aug. 9, 1920.

GOPHERGO

Particular description of goods.—Machine-Poisoned Raisins Used as a Rodent Poison.

Claims use since Jan. 1, 1920.

Ser. No. 136,841. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) JOHN J. HAUPT, Pittsburgh, Pa. Filed Sept. 4, 1920.

GOLD SEAL

Particular description of goods.—Malt Extract.
Claims use since Aug. 19, 1920.

Ser. No. 137,838. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN P. KING MFG. CO., Augusta, Ga. Filed Oct. 2, 1920. Under Ten-Year Proviso.

NATIONAL SHIRTING SS

THE JOHN P. KING MFG CO.

Particular description of goods.—Cotton Piece Goods.
Claims use since 1885.

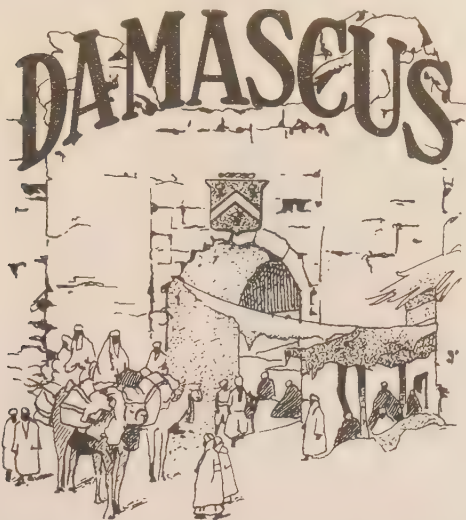
Ser. No. 139,548. (CLASS 45. BEVERAGES, NONALCOHOLIC.) OZONE SPRING WATER & BEVERAGE COMPANY, INC., New Orleans, La. Filed Nov. 11, 1920.

MUSCATO

Particular description of goods.—Nonalcoholic, Maltless Beverage.

Claims use since Feb. 26, 1918.

Ser. No. 140,278. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Nov. 27, 1920.



Particular description of goods.—Piece Goods—Namely, Cotton Cloth.

Claims use since Mar. 1, 1920.

Ser. No. 140,308. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Nov. 27, 1920.

VICTORIA

Particular description of goods.—Piece Goods—Namely, Muslin.

Claims use since 1914.

Ser. No. 140,558. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DEEANO PRODUCTS COMPANY, Cleveland, Ohio. Filed Dec. 3, 1920.

BEAUTEX

Particular description of goods.—Vanishing Cream, Cold Cream, and Face Powder in Cream Form.

Claims use since about Nov. 1, 1919.

Ser. No. 140,597. (CLASS 37. PAPER AND STATIONERY.) MARSHALL H. JACKSON, Chicago, Ill. Filed Dec. 4, 1920.

Fareach

Particular description of goods.—Seal Presses.
Claims use since November, 1918.

Ser. No. 141,430. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. E. OPPENHEIMER & BROTHER, Philadelphia, Pa. Filed Dec. 22, 1920.

Lillian

Particular description of goods.—Hair Nets.
Claims use since on or about Jan. 1, 1905.

Ser. No. 141,431. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SARAH L'EMBROOKE, Los Angeles, Calif. Filed Dec. 22, 1920.



Particular description of goods.—Liquid Medicine Composed of Various Liquids and Vegetable Products Used for the Treatment of Rheumatism, Piles, Nervousness, Some Diseases of the Blood and Kidneys.

Claims use since June 1, 1920.

Ser. No. 141,547. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) STE ANE DES AUTOMOBILES & CYCLES PEUGEOT, Levallois-Perret, France. Filed Dec. 28, 1920.



No claim being made to the exclusive use of the word "Paris" apart from the mark shown in the drawing.

Particular description of goods.—Bicycles and Motor Cycles and Parts Thereof; Accessories and Parts of Bicycles—viz., Pedal Wheels, Cranks, Pedals, Hubs, Steering-Head Tubes and Chain Cases; Accessories and Parts of Motor Cycles—viz., Steering-Head Tubes, Forks, Tanks, Hubs, Crank Chambers, and Steps.

Claims use since May 31, 1920.

Ser. No. 142,870. (CLASS 37. PAPER AND STATIONERY.) THE BROMPTON PULP & PAPER CO. LIMITED, Montreal, Quebec, Canada. Filed Jan. 28, 1921.



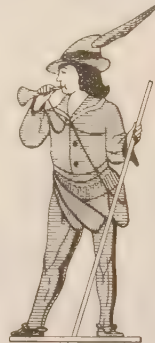
The words "Made in Canada" are disclaimed.
Particular description of goods.—News-Print Paper.
Claims use since Aug. 1, 1920.

Ser. No. 143,056. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) NEW YORK MINERAL WATER COMPANY, Cincinnati, Ohio. Filed Feb. 1, 1921.



No claim is made to the words "Pop, Hits the Spot" except in the form and association shown in the drawing.
Particular description of goods.—Mineral Waters and other Beverages, Consisting of Cider, Cola, Ginger Ale, Cream of Soda, Root Beer, Grape Juice, Distilled and Carbonated Waters, and Flavoring Syrups for Beverages Sold as Soft Drinks.
Claims use since Nov. 1, 1920.

Ser. No. 143,161. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CONDENSED BLUING COMPANY, Chicago, Ill. Filed Feb. 4, 1921.



Is lined for blue and consists of the picture of Little Boy Blue.
Particular description of goods.—Bluing.
Claims use since 1914.

Ser. No. 143,387. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FORT WAYNE ENGINEERING & MANUFACTURING CO., Fort Wayne, Ind. Filed Feb. 10, 1921.



No claim is made to the exclusive use of the words "Water Systems" apart from the mark as shown.
Particular description of goods.—Pumping Equipment and Water Systems.
Claims use since Jan. 1, 1917.

Ser. No. 143,634. (CLASS 43. THREAD AND YARN.) THE BRAINERD & ARMSTRONG COMPANY, New London, Conn. Filed Feb. 16, 1921.

SUNGLO

Consisting of the coined word "Sunglo."
Particular description of goods.—Artificial-Silk Threads.
Claims use since Feb. 3, 1921.

Ser. No. 143,719. (CLASS 32. FURNITURE AND UP-HOLSTERY.) THE STANDARD RED CEDAR CHEST CO., Altavista, Va. Filed Feb. 17, 1921.

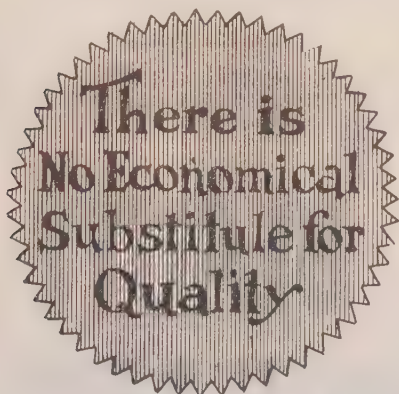


No claim is made broadly to the individual words apart from the mark shown.

Particular description of goods.—Cedar Chests.

Claims use since Sept. 1, 1912.

Ser. No. 143,802. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AXELSON MACHINE COMPANY, Los Angeles, Calif. Filed Feb. 19, 1921.



The lining expressing the color red.

Particular description of goods.—Oil-Well Pumps and Parts of Oil-Well Pumps and Accessories, as Follows: Pump Liners, Sucker Rods, Sucker-Rod Couplings, Sucker-Rod Elevators, Sucker-Rod Wrenches, Collars, Working-Barrel Valves, Standing Valves, Valve Seats, Valve Cages, Valve Bodies, Working Barrels, Valve Bushings, Garbutt Rods, Stuffing Boxes, Mandrels, Lathes, Lathe Beds, Lathe Feed Screws, Lathe Headstocks, Lathe Carriages, Lathe Rests, Lathe Tailstocks, Lathe Taper Attachments, Lathe Face Plates, Lathe Tool Posts, and Tool-Grinding Machines.

Claims use since Jan. 10, 1921.

Ser. No. 144,024. (CLASS 17. TOBACCO PRODUCTS.) THE JOHN C. GUY COMPANY, INCORPORATED, Lexington, Ky. Filed Feb. 25, 1921.



Particular description of goods.—Cigars.
Claims use since about Jan. 1, 1910.

295 O. G.—55

Ser. No. 144,038. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NON-METALLIC TIRES.) OVERSEAS MOTOR SERVICE CORPORATION, New York, N.Y. Filed Feb. 25, 1921.



Particular description of goods.—Accessory and Repair Devices and Parts for Automobiles, Motor-Driven Trucks and Similar Self-Propelled Vehicles—Namely, Pneumatic, Cushion, Solid, and Sectional Block: Nonmetallic Tires Made of Rubber or Combination of Rubber and Fabric: Nonmetallic Shoes, Patches, Plugs, and Treads for Such Tires, and Tire Covers Made from Nonmetallic Fabric Material.

Claims use since on or about June 1, 1919.

Ser. No. 144,135. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LENA FROLONG, Los Angeles, Calif. Filed Feb. 28, 1921.

A-Boon

Particular description of goods.—Cough Remedy.
Claims use since November, 1905.

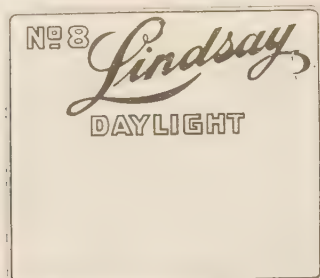
Ser. No. 144,635. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NON-METALLIC TIRES.) THE PERFECTION PISTON RING COMPANY, Ravenna, Ohio. Filed Mar. 11, 1921.



No claim is made to the words "Quick Sealing—Non-Leak Piston Rings—Trade-Mark" or to the representation of the piston ring apart from the mark shown in the drawing.

Particular description of goods.—Piston Rings.
Claims use since July 1, 1918.

Ser. No. 144,720. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) LINDSAY LIGHT COMPANY, Chicago, Ill. Filed Mar. 14, 1921.



Particular description of goods.—Gas Mantles.
Claims use since on or about Jan. 1, 1912.

Ser. No. 145,417. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE R. E. TONGUE & BROS. COMPANY, Philadelphia, Pa. Filed Mar. 29, 1921.

RUBBY



Particular description of goods.—Fruit-Jar Rings.
Claims use since about early part of 1900.

Ser. No. 145,509. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE HEPPESE-NELSON ROOFING COMPANY, Chicago, Ill. Filed Mar. 31, 1921.

Flex-a-Tile

Consists of the word "Flex-a-Tile."

Particular description of goods.—Weather and Water-proof Coatings in Liquid and Paint-Like Form.
Claims use since Jan. 1, 1911.

Ser. No. 145,628. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED E. HINKLE, Atlanta, Ga. Filed Apr. 2, 1921.

HIJA

Particular description of goods.—Toilet Preparations; Quinine Hair Dressing, Coconut Quinine Shampoo, Skin-Whitener Ointment, Deodorant, Face Powder.
Claims use since Nov. 3, 1920.

Ser. No. 145,712. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. PREIFFER MFG. CO., St. Louis, Mo. Filed Apr. 4, 1921.

KILLALL

Particular description of goods.—Vermin Poison.
Claims use since 1905.

Ser. No. 146,127. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) CHAS. W. MEISEZAHLE, New York, N. Y. Filed Apr. 13, 1921.

C. M.

Particular description of goods.—Nonalcoholic, Non-cereal, Maltless Beverages, Sold as Soft Drinks.
Claims use since Apr. 1, 1920.

Ser. No. 146,869. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CROWN SUPPLY COMPANY, INC., New York, N. Y. Filed Apr. 28, 1921.

**BEAUTY
BUILDER**

Particular description of goods.—Toilet Waters, Toilet Creams, Cold Cream, Cucumber and Almond Cream, and Face Powder.

Claims use since September, 1915.

Ser. No. 147,272. (CLASS 2. RECEPTACLES.) ATLANTIC STAMPING COMPANY, Rochester, N. Y. Filed May 6, 1921.

ATLANTIC

Particular description of goods.—Metal (Galvanized Iron or Tin) Pails, Coal Hods, Dinner Pails, Sprinkling Pots, Buckets, Cans, Tote Boxes, and Radiator Fillers.
Claims use since about Mar. 1, 1904.

Ser. No. 147,397. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BOSTON BLACKING COMPANY, Portland, Me., and East Cambridge, Mass. Filed May 9, 1921.

SAP O



The picture shown on the drawing is merely fanciful, the lining in the drawing being shading and not being indicative of any particular color. No claim is made to the word "Sapo" apart from the mark shown.

Particular description of goods.—Soap.

Claims use since Nov. 9, 1920.

Ser. No. 147,508. (CLASS 17. TOBACCO PRODUCTS.) GALLAHER LTD., Belfast, Ireland. Filed May 10, 1921.

OLD CHATEAU

Particular description of goods.—Smoking Tobacco, Cigarettes, Cigars, and Snuff.

Claims use since Aug. 15, 1895.

Ser. No. 147,509. (CLASS 17. TOBACCO PRODUCTS.) GALLAHER LTD., Belfast, Ireland. Filed May 10, 1921.

LANDSCAPE

Particular description of goods.—Smoking Tobacco, Cigarettes, Cigars, and Snuff.

Claims use since Mar. 29, 1897.

Ser. No. 147,510. (CLASS 17. TOBACCO PRODUCTS.) GALLAHER LTD., Belfast, Ireland. Filed May 10, 1921.

FREE & EASY

Particular description of goods.—Smoking Tobacco, Cigarettes, Cigars, and Snuff.

Claims use since Feb. 23, 1899.

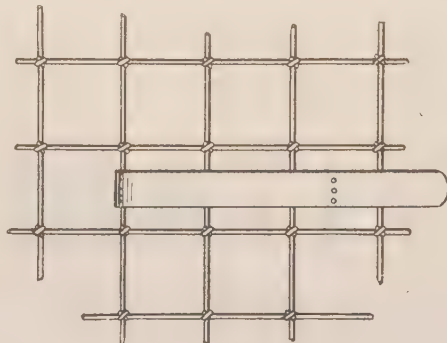
Ser. No. 147,511. (CLASS 17. TOBACCO PRODUCTS.) GALLAHER LTD., Belfast, Ireland. Filed May 10, 1921.

THREE CROWNS

Particular description of goods.—Smoking and Chewing Tobacco, Cigarettes, Cigars, and Snuff.

Claims use since Oct. 8, 1879.

Ser. No. 147,540. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) VAN RAALTE COMPANY, Inc., New York, N. Y. Filed May 10, 1921.



Consists of the form of the label disclosed, the section of the netting being disclaimed, as it forms no part of the mark.

Particular description of goods.—Veils and Veilings and Nettings in the Piece.

Claims use since December, 1906.

Ser. No. 147,735. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) THE ROOKWOOD POTTERY COMPANY, Cincinnati, Ohio. Filed May 14, 1921.



Particular description of goods.—Pottery Ware Made from Burnt Clay, Whether Glazed or Unglazed.

Claims use since January, 1900.

Ser. No. 147,764. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES CRAMER, Gardner, Kans. Filed May 16, 1921.

ATHLETIC

Particular description of goods.—Liniment for Use in Treating Sore or Stiff Muscles, Strains, and Sprains.

Claims use since Mar. 29, 1921.

Ser. No. 147,794. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) RECHSTEINER EMBROIDERY COMPANY, INC., Chicago, Ill. Filed May 16, 1921.

RECCO-MAID

Particular description of goods.—Embroideries or Embroidered Articles—Namely, Bed Sets, Dresser Scarfs, Curtains, Pillowcases, Table Covers, Fabric Towels, and Embroidered Piece Goods used for Making Such Articles.
Claims use since Mar. 1, 1921.

Ser. No. 147,931. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HERMAN A. METZ, New York, N. Y. Filed May 19, 1921.

VITAM

Particular description of goods.—Artificially-Compound Food Supplement for Children and Invalids.
Claims use since Apr. 28, 1921.

Ser. No. 147,971. (CLASS 43. THREAD AND YARN.) THE J. R. MONTGOMERY COMPANY, Windsor Locks, Conn. Filed May 20, 1921.

MONCO

Particular description of goods.—Yarns, Warps, Flosses, Threads, and Tinsel Products—Namely, Tinsel Threads.
Claims use since Aug. 15, 1919.

Ser. No. 148,014. (CLASS 12. CONSTRUCTION MATERIALS.) ANGELO REPETTO COMPANY, Detroit, Mich. Filed May 21, 1921.

Prestile

Particular description of goods.—Cement Tiles for Walls and Floors.
Claims use since the month of February, 1921.

Ser. No. 148,343. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) CONRAD NEUGEBAUER, Columbus, Ohio. Filed May 27, 1921.

"Mitty"

Particular description of goods.—Bath Mitten.
Claims use since Mar. 21, 1921.

Ser. No. 148,365. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BLISH, MIZE & SILLIMAN HARDWARE CO., Atchison, Kans. Filed May 28, 1921.



No claim is made to the exclusive use of the geographical term "Atchison, Kan." apart from the mark shown in the drawing.

Particular description of goods.—Saws, Wood-Saw Blades, Axes, Hatchets, Hammers, Butcher Knives, Grain-Corn Knives, Razors, Scythes, Bits, Augers, Bit Braces, Screw Drivers, Wrenches, Lawn Mowers, Hoes, Rakes, Shovels, Scoops, Spades, Hay Forks, Manure Forks, Ax Handles, and Fork Handles.

Claims use since Jan. 30, 1898.

Ser. No. 148,717. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CLIFTON MFG. COMPANY, Waco, Tex. Filed June 6, 1921.

BANNER

Particular description of goods.—Tents, Awnings, Paulins, Tarpaulins, and Detached Waterproof Wagon Covers.
Claims use since 1912.

Ser. No. 148,760. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) REINHOLD SCHUMANN, INC., Newark, N. J. Filed June 6, 1921.

"SB"

Particular description of goods.—Surgical Corsets and Belts, Orthopaedic Appliances—Namely, Spinal Braces, Long and Short Leg Braces, Hip Braces, Combination Leg and Body Braces, and Similar Braces for the Human Body.

Claims use since Jan. 1, 1889.

Ser. No. 148,951. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) RACINE RUBBER COMPANY, Racine, Wis. Filed June 10, 1921.

RACINE KLINGER

Particular description of goods.—Rubber or Rubber and Fabric Tires and Tubes for Vehicles.

Claims use since Nov. 1, 1919.

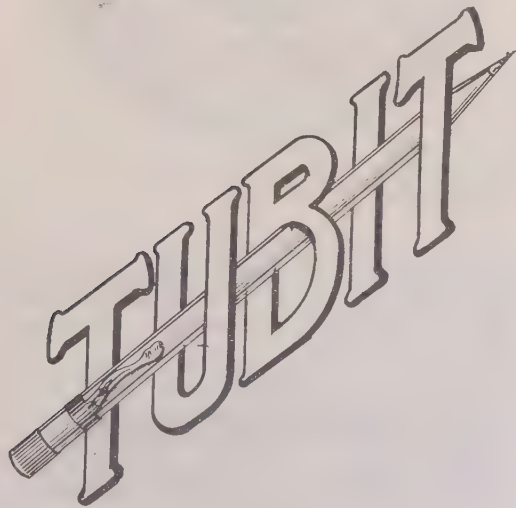
Ser. No. 149,994. (CLASS 39. CLOTHING.) L. R. DOLBY Co., Spokane, Wash. Filed July 4, 1921.



PANAMA KOOL

Particular description of goods.—Tailored Suits.
Claims use since June 25, 1921.

Ser. No. 150,041. (CLASS 37. PAPER AND STATIONERY.) JULIUS SWANBERG, Chicago, Ill. Filed July 5, 1921.



Applicant disclaims the representation of the pencil except as shown in the trade-mark.

Particular description of goods.—Magazine Pencils.
Claims use since June 29, 1921.

Ser. No. 150,153. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PRONTIC DRUGGISTS, INC., Baltimore, Md. Filed July 8, 1921.

PRONTIC

Particular description of goods.—"Bromics," a Medicine for Headache, Overwork, Nervous Exhaustion, Lack of Proper Rest or Sleep or of Outdoor Exercise; "La Grippe Tablets," a Medicine for Colds, La Grippe, Influenza; "Laxative Aspirin," a Medicine for the Pain of Headache, Colds, Aching Joints, Lumbago, Rheumatism, Neuralgia, Sciatica, Toothache, Earache, the Menstrual Period; "Laxatives," a Medicine for Chronic Constipation; "Digestives," a Medicine for Indigestion and Eliminating Food Poisons Accumulated in the Lower Bowel; "Liver Tablets," a Medicine for Torpid Liver, for the Purpose of Stimulating the Action of the Liver and Discharging the Waste Matter of the Body; "Kidney and Bladder Tablets," a Medicine for the Kidneys for the Elimination of Certain Waste Products of the Body Which is Not Eliminated by Any other of its Organs; "Blood and Nerve Tablets," a Tonic for Artificially Restoring Certain Elements Missing from the Blood After Exhaustion of Illness; "Scalp and Dandruff Cerate," a Medicine for the Treatment of Dandruff and Scalp Afflictions; "Healing Toilet Cream," a Medicine for the Treatment of the Skin; "Soothing Skin Ointment," a Medicine for Treatment of Skin Diseases, Eczema, Burns, Scalds, Stings, or Bites of Insects; Etc.; "Concentrated Liment," a Medicine for Treatment of Rheumatic, Neuralgic and All Localized Pains; for Frostbites, Stings of Insects, Muscular Fatigue, Sore and Tired Feet, for Headache, Toothache, and Catarrhal Affections.

Claims use since on or about Feb. 1, 1921.

Ser. No. 150,342. (CLASS 38. PRINTS AND PUBLICATIONS.) ALLIED LABOR PRESS ASSOCIATION, Boston, Mass. Filed July 14, 1921.

Friends of Labor

Particular description of goods.—Printed Books and Circulars.

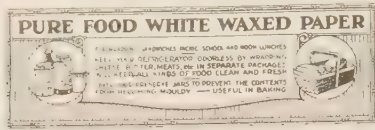
Claims use since July 1, 1919.

Ser. No. 151,122. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio. Filed July 29, 1921.



Particular description of goods.—Playing Cards.
Claims use since about 1890.

Ser. No. 151,187. (CLASS 37. PAPER AND STATIONERY.) ROBERTSON PAPER CO., Bellows Falls, Vt. Filed July 30, 1921.



Applicant disclaims all wording on the drawing apart from the mark shown.

Particular description of goods.—Wrappers on Waxed Lunch Rolls.

Claims use since April, 1921.

Ser. No. 151,354. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WM. CAMERON & CO., INC., Waco, Tex. Filed Aug. 4, 1921.



Particular description of goods.—Screen Wire, Door Stops, Transom Lifts, Knobs, Drawer Pulls and Knobs, Sash Lifts, and Escutcheons.

Claims use since Oct. 1, 1920.

Ser. No. 151,536. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILLIS H. DIEFENDORF, Syracuse, N. Y. Filed Aug. 8, 1921.



The words "Syracuse" and "New York" and the representation of a gear wheel are disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Gears.

Claims use since January, 1920.

Ser. No. 151,574. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE R. A. BECKER VARNISH COMPANY, Cincinnati, Ohio. Filed Aug. 9, 1921.

RēnameL

Particular description of goods.—Stain Varnish, Varnishes, Mixed Paints, and Paint Enamels.

Claims use since July 22, 1921.

Ser. No. 151,682. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) MAGNA METAL CORPORATION, Newark, N. J. Filed Aug. 11, 1921.

MAGNA

Particular description of goods.—Magnesium Alloys, and Castings and Forgings Produced Therefrom.

Claims use since Mar. 16, 1921.

Ser. No. 151,825. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MARIO CARBONE, New York, N. Y. Filed Aug. 16, 1921.

MOSTOVERO

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.

Claims use since July, 1920.

Ser. No. 152,157. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ASSOCIATED RICE MILLERS OF AMERICA, INC., New Orleans, La. Filed Aug. 25, 1921.



Particular description of goods.—Rice.

Claims use since July 20, 1921.

Ser. No. 152,191. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAX EDWARD TILSON, New York, N. Y. Filed Aug. 25, 1921.



The applicant disclaims all the language appearing in the drawing with the exception of the arbitrary word "Miniaturettes."

Particular description of goods.—Perfumes.

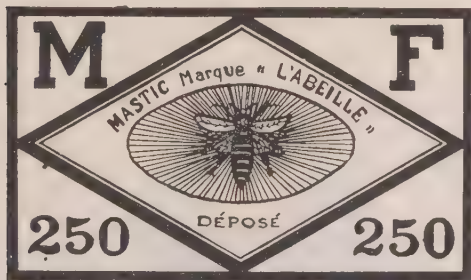
Claims use since July 1, 1921.

Ser. No. 152,341. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAUSER MILL COMPANY, Laury Station, Pa. Filed Aug. 29, 1921.



Particular description of goods.—Wheat Flour.
Claims use since June, 1921.

Ser. No. 152,486. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SOCIÉTÉ ANONYME DES ANCIENS ÉTABLISSEMENTS MUYLLE-FACON, Roulers, Belgium. Filed Sept. 1, 1921.



Applicant does not claim the right to use the word "Mastic" or the words "Marque Déposé" apart from the mark shown on the drawing.

Particular description of goods.—Putty, Paints, and Varnishes.

Claims use since July 16, 1904.

Ser. No. 152,495. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) AMERICAN METAL POLISH CO., Somerville, Mass. Filed Sept. 2, 1921.

SILVA PUTZ

Particular description of goods.—Metal Polish.
Claims use since March, 1904.

Ser. No. 152,575. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NATIONAL DAIRY CO., Toledo, Pioneer, and Oak Harbor, Ohio, and Ennis and Morenci, Mich. Filed Sept. 3, 1921.

As You Like It

Particular description of goods.—Sterilized Milk Put Up in Sealed Containers.
Claims use since Aug. 30, 1921.

Ser. No. 152,629. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NATIONAL RING TRAVELER Co., Providence, R. I. Filed Sept. 6, 1921.

RELEVART METAL

Applicant disclaims exclusive right to the use of the word "Metal" apart from the mark shown in the drawing.
Particular description of goods.—Ring Travelers.
Claims use since July 13, 1921.

Ser. No. 152,682. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELIJAH M. KINSLOW, Los Angeles, Calif. Filed Sept. 7, 1921.



Particular description of goods.—Bread.
Claims use since about Feb. 15, 1921.

Ser. No. 152,790. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) ELWELL BRUSH COMPANY, Rockford, Ill. Filed Sept. 10, 1921.



No claim being made to the words "Twisted in Wire" and "Trade Mark" apart from the mark shown.

Particular description of goods.—Floor Mops and Household Dusters Made of Wool Yarn, and for Brushes—Namely, Clothes, Hair, Hat, Manicure, Radiator, Ice-Chest, Bottle, Tooth, Percolator, Wall, Window, Bath, Complexion, Crumb, Griddle-Grease, Record-Cleaning, Auto-Spoke, Toilet-Bowl, and Scouring.

Claims use since Aug. 22, 1921.

Ser. No. 152,809. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SURE SEAL BOTTLE CAPPER Co., Chicago, Ill. Filed Sept. 10, 1921.



No claim is made to the exclusive use of the words "All Steel Capper" apart from the mark shown.

Particular description of goods.—Bottle Capping Machines.

Claims use since Jan. 20, 1921.

Ser. No. 152,829. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BURGESS-NORTON MFG. Co., Geneva, Ill. Filed Sept. 12, 1921.



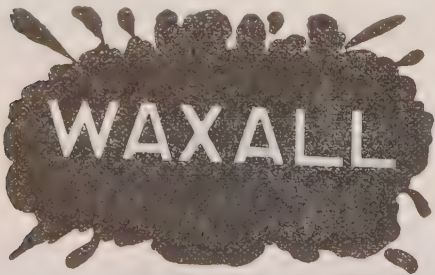
Particular description of goods.—Automobile and Engine Parts and Accessories—Namely, Piston Pins, Ball Bearings, Valve Lifts, Push Rods, Tappets, and Wrenches. *Claims use* since April, 1919.

Ser. No. 152,875. (CLASS 37. PAPER AND STATIONERY.) WALSH DUPLICATOR CORP., New York, N. Y. Filed Sept. 12, 1921.

SU · FI · BAG

Particular description of goods.—Lead Pencils. *Claims use* since Apr. 21, 1921.

Ser. No. 152,894. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) W. H. & F. JORDAN JR. MFG. Co., Philadelphia, Pa. Filed Sept. 13, 1921.



No claim being made to the word "Waxall" apart from the mark as shown.

Particular description of goods.—Improved Sanitary Wax Dressing.

Claims use since Apr. 20, 1921.

Ser. No. 152,925. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MATHIESON ALKALI WORKS, New York, N. Y. Filed Sept. 14, 1921.



Particular description of goods.—Soda Ash, Bicarbonate of Soda, Virginia Soda, Caustic Soda, Bleaching Powder, and Liquid Chlorine.

Claims use since 1895.

Ser. No. 152,969. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) VERBAND SCHWEIZ ARMATURENFABRIKEN, BERN, Berne, Switzerland. Filed Sept. 15, 1921.



Particular description of goods.—Metal Cocks. *Claims use* since June 29, 1921.

Ser. No. 152,970. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILLIAMS PATENT CRUSHER & PULVERIZER Co., St. Louis, Mo. Filed Sept. 15, 1921.

RAZEER

Particular description of goods.—Grinding Screens for Feed Mills.

Claims use since Aug. 27, 1919.

Ser. No. 153,208. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GRISCOM-RUSSELL COMPANY, New York, N. Y. Filed Sept. 22, 1921.

G-R

Particular description of goods.—Air and Gas Compressors, Vapor Condensers, and Liquid Evaporators.

Claims use since July, 1919.

Ser. No. 153,262. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN A. STRIMPLE, Janesville, Wis. Filed Sept. 23, 1921.



Particular description of goods.—Fire Pumps. *Claims use* since September, 1919.

Ser. No. 153,355. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) KNICKERBOCKER CASE COMPANY, Chicago, Ill. Filed Sept. 26, 1921.

KNICKERBOCKER

Particular description of goods.—Cases and Bags Made of Leather, Fiber, or other Suitable Materials for Fishing Tackle.

Claims use since Feb. 1, 1901.

Ser. No. 153,358. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) KNICKERBOCKER CASE COMPANY, Chicago, Ill. Filed Sept. 26, 1921.

MADE RIGHT

Particular description of goods.—Cases and Bags Made of Leather, Fiber, or other Suitable Materials for Fishing Tackle.

Claims use since Jan. 1, 1910.

Ser. No. 153,398. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GOMEZ & SLOAN, INC., New York, N. Y. Filed Sept. 27, 1921.

GOMEZ-SLOAN

Particular description of goods.—Axes, Machetes, Hatchets, Knives, Saws, Hammers, Pliers, Wrenches, Woodworking Machinery, Can Machinery, Bearings, Gears, and Internal-Combustion Engines.

Claims use since February, 1919.

Ser. No. 153,520. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROMER AXE AND TOOL COMPANY, Dunkirk, N. Y. Filed Sept. 29, 1921.

HARD EDGE

No claim is made to the exclusive use of the words "Hard Edge" except as associated with the other features of the mark shown, the lining expressing shading.

Particular description of goods.—Woodsmen's Tools—Namely, Cant Hooks, Peavies, Mill Hooks, Grappling Hooks, Logging Tools, and Skidding Tongs; Bench Tools, Chisels, Planers, Ice Tools, Gouges, Machetes, Butcher Knives, Kitchen Knives, Axes, and Hatchets.

Claims use since July 1, 1921.

Ser. No. 153,656. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOSEPH FLEISCHER, New York, N. Y. Filed Oct. 3, 1921.

IRONA

Particular description of goods.—Hair Nets.
Claims use since June 22, 1921.

Ser. No. 153,897. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EMMET SNIPES, Searcy, Ark. Filed Oct. 8, 1921.

JAP-I-CURA

Particular description of goods.—A Liquid Preparation for All Skin Diseases.

Claims use since 1913.

Ser. No. 153,908. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NON-METALLIC TIRES.) WILLIAMSPORT DEVELOPMENT COMPANY, Williamsport, Pa. Filed Oct. 8, 1921.



No claim being made to the words "Williamsport, Penna., U. S. A."

Particular description of goods.—Composition Packing Composed of Canvas and Rubber.

Claims use since September, 1920.

Ser. No. 154,180. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE N. ERIKSEN, Newark, N. J. Filed Oct. 17, 1921.

ERIC O

Particular description of goods.—Liquid Nail Enamel.
Claims use since Oct. 1, 1921.

Ser. No. 154,263. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHINA AMERICAN TOBACCO & TRADING CO., INC., New York, N. Y. Filed Oct. 18, 1921.

Tuiveve

Particular description of goods.—Hair Nets.
Claims use since Oct. 14, 1921.

Ser. No. 154,354. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE EUCLID CANDY COMPANY, Cleveland, Ohio. Filed Oct. 20, 1921.

BALLY-HOO

Particular description of goods.—Candy.
Claims use since June, 1919.

Ser. No. 154,355. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE EUCLID CANDY COMPANY, Cleveland, Ohio. Filed Oct. 20, 1921.

SINGLE "G"

Particular description of goods.—Candy.
Claims use since June, 1919.

Ser. No. 154,356. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE EUCLID CANDY COMPANY, Cleveland, Ohio. Filed Oct. 20, 1921.

LoveNest

Particular description of goods.—Candy.
Claims use since Jan. 2, 1919.

Ser. No. 154,363. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GALLOWAY-WEST COMPANY, Fond du Lac, Wis. Filed Oct. 20, 1921.

Choconilla

Particular description of goods.—A Concentrated Preparation of Milk, Cocoa, Sugar, and Vanilla.
Claims use since Mar. 15, 1921.

Ser. No. 154,385. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) S'NUFF SMOKE SALES CO., New York, N. Y. Filed Oct. 20, 1921.

S'NUFF SMOKE

Particular description of goods.—Cigarette Snuffers, Ash Trays, Match Stands, Humidors, and Cigarette and Cigar Cases.

Claims use since Sept. 17, 1921.

Ser. No. 154,399. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE CONSOLIDATED SAFETY PIN COMPANY, Bloomfield, N. J. Filed Oct. 21, 1921.



Applicant disclaims the exclusive right to the use of words "Bloomfield, New Jersey, U. S. A." and the representation of a safety pin appearing upon the drawing apart from the mark as shown.

Particular description of goods.—Safety Pins.
Claims use since February, 1906.

Ser. No. 154,412. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINNESOTA MACARONI CO., St. Paul, Minn. Filed Oct. 21, 1921.

Amberolls

Particular description of goods.—Macaroni.
Claims use since Oct. 8, 1921.

Ser. No. 154,413. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) McINNES-WALKER COMPANY, Milwaukee, Wis. Filed Oct. 21, 1921.

HOSTESS

Particular description of goods.—Coffee and Tea.
Claims use since April, 1920.

Ser. No. 154,488. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CAPUDINE CHEMICAL COMPANY, Raleigh, N. C. Filed Oct. 24, 1921.

CAPUSAV

Particular description of goods.—Salve or Ointment for Croup, Colds, Congestion, and Inflammation.
Claims use since May 1, 1921.

Ser. No. 154,548. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTON AUGIS, Winegar, Wis. Filed Oct. 25, 1921.



The picture in the drawing is a facsimile of applicant's portrait.

Particular description of goods.—Healing Powder for Wounds, Cuts, and Bruises.

Claims use since Apr. 1, 1921.

Ser. No. 154,565. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MOXIE COMPANY, Boston, Mass. Filed Oct. 25, 1921.

MOXIE

Particular description of goods.—Candies.
Claims use since Dec. 24, 1920.

Ser. No. 154,607. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MIDWEST STEEL & SUPPLY COMPANY, INC., New York, N. Y. Filed Oct. 26, 1921.

MIDWEST

Particular description of goods.—Viscose, a Hydrocarbon Composition Having the Property of Arresting Particles Coming in Contact with it Which May be Used in Connection with the Purification of Gaseous Matter.
Claims use since Jan. 23, 1921.

Ser. No. 154,608. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MIDWEST STEEL & SUPPLY COMPANY, INC., New York, N. Y. Filed Oct. 26, 1921.

VISCOSINE

Particular description of goods.—Viscose, a Hydrocarbon Composition Having the Property of Arresting Particles Coming in Contact with it Which May be Used in Connection with the Purification of Gaseous Matter.

Claims use since Jan. 23, 1921.

Ser. No. 154,658. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NATIONAL RING TRAVELER Co., Providence, R. I. Filed Oct. 27, 1921. Under ten-year proviso.



Particular description of goods.—Ring Travelers.
Claims use since about 1881.

Ser. No. 154,669. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
GEORGE SPEAR, Paterson, N. J. Filed Oct. 27, 1921.



The lining appearing on the drawing represents shading.
Particular description of goods.—Hair Tonic, Shampoo, and an External Liniment for Rheumatism, Stiff Joints, Pain in Back, Lumbago, Neuralgia, Headaches, and Mosquito Bites.

Claims use since Aug. 24, 1921, on hair tonic and shampoo; since Sept. 12, 1921, on liniment.

Ser. No. 154,701. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
JOHN NOVAK COMPANY, Chicago, Ill. Filed Oct. 28, 1921.



No claim being made to the words "Trade-Mark" apart from the mark shown.

Particular description of goods.—A Salve for Rheumatism, Sprains, Colds, Sciatica, Lumbago, Sore Muscles, Stiff Neck, Headache, Influenza, Cold Feet, Sore Throat, Swellings, Lameness, Pain in the Back.

Claims use since Aug. 1, 1921.

Ser. No. 154,708. (CLASS 37. PAPER AND STATIONERY.)
SALZ BROTHERS, New York, N. Y. Filed Oct. 28, 1921.

Black and White

Particular description of goods.—Fountain Pens.
Claims use since Sept. 1, 1921.

Ser. No. 154,723. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.)
CARNEGIE STEEL COMPANY, Pittsburgh, Pa. Filed Oct. 29, 1921. Under ten-year proviso.

CARNEGIE

Particular description of goods.—Rolled - Metal Rails, Bars, Plates, and other Rolled-Metal Shapes.
Claims use since about 1890.

Ser. No. 154,744. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
THE R. M. HOLLINGSHEAD CO., Camden, N. J. Filed Oct. 29, 1921.



No claim is made to the words "Soldering Compound" apart from the remainder of the mark shown.

Particular description of goods.—Soldering Compound in the Nature of Flux.

Claims use since about Apr. 1, 1920.

Ser. No. 154,800. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
MARTIN C. KOPF, Milwaukee, Wis. Filed Oct. 31, 1921.

CROWN POWDERS

No claim is made to the exclusive use of the word "Powders" apart from the mark as shown.

Particular description of goods.—A Medicinal Powder for Rheumatism, Gout, Lumbago, and All Muscular Pains.

Claims use since May 1, 1908.

Ser. No. 154,807. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.)
NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass. Filed Oct. 31, 1921. Under ten-year proviso.

TURKISH

Particular description of goods.—Candy.
Claims use since 1887.

Ser. No. 154,816. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.)
NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass. Filed Oct. 31, 1921.

FROLICS

Particular description of goods.—Candy.
Claims use since 1890.

Ser. No. 154,822. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.)
NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass. Filed Oct. 31, 1921.

MARTINETTES

Particular description of goods.—Candy.
Claims use since 1891.

Ser. No. 154,828. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass. Filed Oct. 31, 1921.

CARABEANS

Particular description of goods.—Candy.
Claims use since 1919.

Ser. No. 154,829. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass. Filed Oct. 31, 1921. Under ten-year proviso.

Cambridge

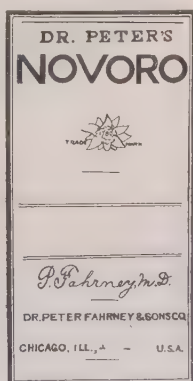
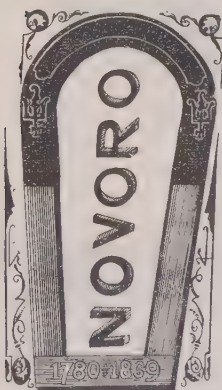
Particular description of goods.—Candy.
Claims use since 1892.

Ser. No. 154,836. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass. Filed Oct. 31, 1921. Under ten-year proviso.

PALERMO

Particular description of goods.—Candy.
Claims use since 1890.

Ser. No. 154,868. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. PETER FAHRNEY & SONS CO., Chicago, Ill. Filed Nov. 1, 1921.



No claim being made to the exclusive use of the words "Trade Mark" and "Chicago, Ill., U. S. A." apart from the mark shown in the drawing.

Particular description of goods.—A System Tonic to Improve the Appetite, to Promote Digestion, to Regulate the Action of the Bowels, and to Quiet the Nervous System, Beneficially Affecting the Kidneys and the Liver, Producing Thereby Salutory Effects upon the Blood Stream and the Entire System.

Claims use since July 30, 1920.

Ser. No. 154,871. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE FITZGERALD MFG. COMPANY, Torrington, Conn. Filed Nov. 1, 1921.

STAR

Particular description of goods.—Electric Massage Vibrators, Electric Massage Shower Sprays, and Electric Violet-Ray Appliances.

Claims use since Feb. 11, 1918.

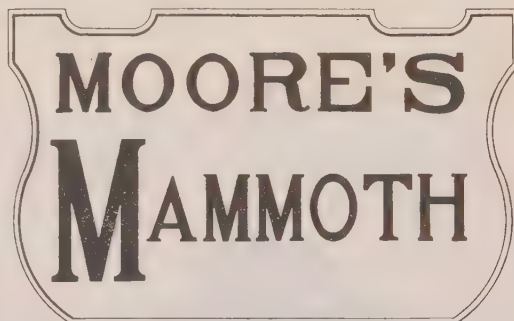
Ser. No. 154,878. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES G. KUMMERLANDER, Chicago, Ill. Filed Nov. 1, 1921.

BRU-EAST

Particular description of goods.—Yeast Products in the Form of Powder or Tablets.

Claims use since July 16, 1921.

Ser. No. 154,925. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES H. MOORE, Northport, Wash. Filed Nov. 2, 1921.



Particular description of goods.—Preparation for Rheumatism, Lumbago, Neuritis, and Like Ailments.

Claims use since Aug. 15, 1921.

Ser. No. 154,936. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed Nov. 2, 1921.

DIOCAIN

Particular description of goods.—Local Anesthetic.
Claims use since June 6, 1921.

Ser. No. 154,937. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed Nov. 2, 1921.

TOKOGEN

Particular description of goods.—Oxytocic.
Claims use since June 6, 1921.

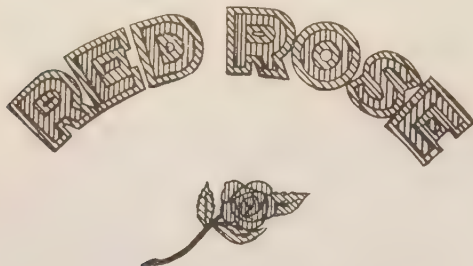
Ser. No. 154,991. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH A. PIUMA, Los Angeles, Calif. Filed Nov. 3, 1921.

SEXVITOR

Particular description of goods.—Medicinal Preparation for Glandular Insufficiency.

Claims use since July 1, 1921.

Ser. No. 155,007. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. E. BURNETT, Fort Worth, Tex. Filed Nov. 4, 1921.

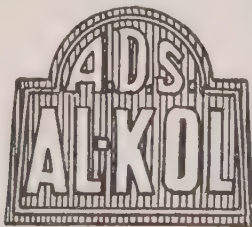


Consists of the words "Red Rose" and the representation of a red rose, the letters being lined for red and the borders lined for green and the picture of the rose being lined for red and the leaves lined for green.

Particular description of goods.—Medicinal Preparation for treating piles.

Claims use since Sept. 1, 1921.

Ser. No. 155,041. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN DRUGGISTS SYNDICATE, Long Island City, N. Y. Filed Nov. 5, 1921.

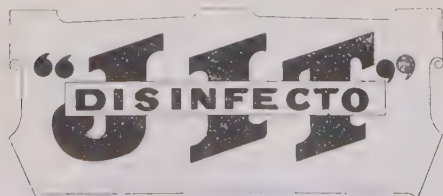


The lining on the drawing indicates the color red.

Particular description of goods.—Alcohol Used for Bathing and Massage as a Household Antiseptic on Cuts, Bruises, Insect Bites, or After-Shaving Lotion.

Claims use since Oct. 27, 1921.

Ser. No. 155,068. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEW SOUTHERN DRUG COMPANY, INCORPORATED, Shreveport, La. Filed Nov. 5, 1921.



Particular description of goods.—A Chemical Preparation Used as a Disinfectant, Germicide, Deodorant, and Insecticide.

Claims use since Aug. 1, 1920.

Ser. No. 155,117. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNA PLOTZ, Chicago, Ill. Filed Nov. 7, 1921.

KITRAB

Particular description of goods.—Medicine for Goiter.

Claims use since Oct. 7, 1921.

Ser. No. 155,125. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE WM. SCHOLHORN Co., New Haven, Conn. Filed Nov. 7, 1921.

WUNAXION

Particular description of goods.—Eyelet Punches.

Claims use since on or about June 1, 1921.

Ser. No. 155,179. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) B. LICHTIG & SON, INC., Oakland, Calif. Filed Nov. 8, 1921.



Particular description of goods.—Rubber Tires.

Claims use since October, 1919.

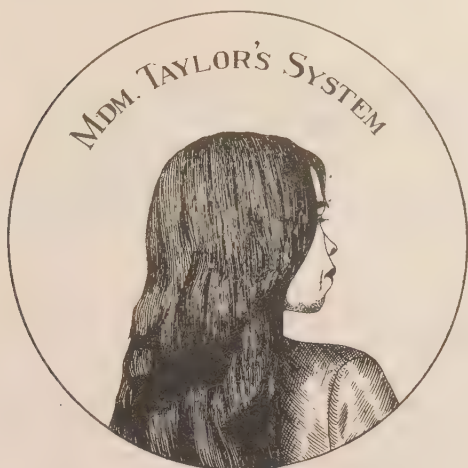
Ser. No. 155,183. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) NATIONAL VALVE & MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Nov. 8, 1921.

NAVCO

Particular description of goods.—Valves, Steam Separators, and Pipe Fittings—Namely, T's, Elbows, Crosses, Pipes, Headers, and Bends.

Claims use since about January, 1910.

Ser. No. 155,197. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
 LYDIA TAYLOR, Boley, Okla. Filed Nov. 8, 1921.



No claim is made to the word "System" apart from the other features of the mark. The pictorial feature of the mark is a portrait of the applicant.

Particular description of goods.—Pomade for the Treatment of the Scalp.

Claims use since Jan. 1, 1918.

Ser. No. 155,236. (CLASS 12. CONSTRUCTION MATERIALS.) JOHN R. ROOT, Terre Haute, Ind. Filed Nov. 9, 1921.

BRIKOTE

Particular description of goods.—Brick for the Wearing Surface of Road Paving.

Claims use since Feb. 8, 1921.

Ser. No. 155,245. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
 WATERMAN MANUFACTURING COMPANY, Yarmouth, Me.
 Filed Nov. 9, 1921.

KURIME

Particular description of goods.—Remedy for Malaria.

Claims use since Oct. 28, 1921.

Ser. No. 155,267. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) LINDSAY LIGHT COMPANY, Chicago, Ill. Filed Nov. 10, 1921.



No claim is made for the word "Guaranteed" apart from the mark shown.

Particular description of goods.—Gas Mantles.

Claims use since on or about July 1, 1912.

Ser. No. 155,301. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CONVERSE & COMPANY, New York, N. Y. Filed Nov. 12, 1921.



Particular description of goods.—Pillowcases, Sheets, and Bolster Coverings.

Claims use since Aug. 23, 1921.

Ser. No. 155,316. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CHARLES W. PAINE, Philadelphia, Pa. Filed Nov. 12, 1921.

CHAMPION

Particular description of goods.—Nondrying Paint of Paste Consistency.

Claims use since about November, 1913.

Ser. No. 155,321. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
 REINSCHILD CHEMICAL Co., New York, N. Y. Filed Nov. 12, 1921.

FERMA

Particular description of goods.—Tonics and Blood-Building Preparations.

Claims use since Nov. 1, 1917.

Ser. No. 155,396. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
 THE CALENDULINE COMPANY OF CALIFORNIA, Baltimore, Md. Filed Nov. 15, 1921.

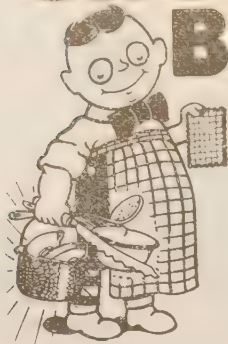
MINTANOL

Particular description of goods.—Mouth Wash.

Claims use since June 15, 1913.

Ser. No. 155,411. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RUSSELL B. KINGMAN, Orange, N. J. Filed Nov. 15, 1921.

THE CHORE BOY



No claim being made to the representation of the goods appearing on the drawing.

Particular description of goods.—Scouring Cloths.
Claims use since Aug. 25, 1921.

Ser. No. 155,421. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Nov. 15, 1921.

FLAXOAP

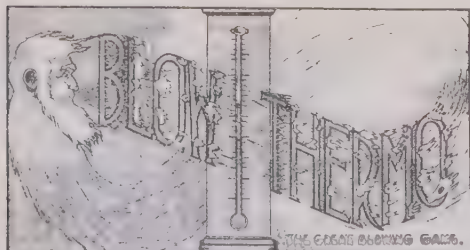
Particular description of goods.—Soap, (Dry Powdered, Paste, Semipaste, Flake, Liquid, and other Consistencies.)
Claims use since March, 1909.

Ser. No. 155,436. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE HYGIENIC PRODUCTS COMPANY, Canton, Ohio. Filed Nov. 16, 1921.

Sano-Lava

Particular description of goods.—Cleaning Powder for Water-Closet Bowls.
Claims use since 1913.

Ser. No. 155,441. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CHESTER MCKAY, Brooklyn, N. Y. Filed Nov. 16, 1921.



The mark (reference being had to the drawings and facsimiles) consists of the representation of an elderly

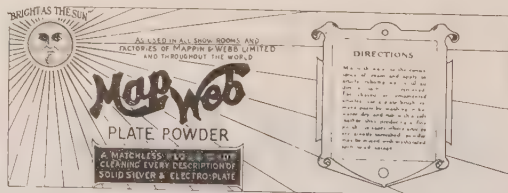
man blowing a gust of air from his lips through and over the word "Blow," across a thermometer, through and over the word "Thermo," forming the numeral "8" in its return, and the lining of the letters, thermometer, and background are, respectively, for the colors red, blue, and yellow. The exclusive use of the words "The Great Blowing Game" is disclaimed apart from the mark shown.
Particular description of goods.—Blowing Game.
Claims use since May 1, 1921.

Ser. No. 155,478. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BAYER COMPANY, INC., New York, N. Y. Filed Nov. 17, 1921.

BAYASPIRINA

Particular description of goods.—Antirheumatic, Analgesic, and Antipyretic.
Claims use since Oct. 25, 1921.

Ser. No. 155,568. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MAPPIN & WEBB LIMITED, London and Sheffield, England. Filed Nov. 18, 1921.



Applicant disclaims all wording appearing on the drawing with the exception of the words "Map Webb."
Particular description of goods.—Plate Powder.
Claims use since Dec. 29, 1920.

Ser. No. 155,624. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MAYHEW STEEL PRODUCTS INC., New York, N. Y. Filed Nov. 19, 1921.

MARATHON

Consisting of the word "Marathon."
Particular description of goods.—Hack-Saw Blades.
Claims use since Oct. 13, 1921.

Ser. No. 155,626. (CLASS 12. CONSTRUCTION MATERIALS.) MIDWEST STEEL & SUPPLY COMPANY, INC., New York, N. Y. Filed Nov. 19, 1921.

CORRU-FELT

Particular description of goods. Metal Laths.
Claims use since October, 1921.

Ser. No. 155,702. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM A. MORGAN, Atlanta, Ga. Filed Nov. 21, 1921.



Particular description of goods.—Eye Water.
Claims use since Mar. 20, 1921.

Ser. No. 155,712. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SCHOLTZ-MUTUAL DRUG COMPANY, Denver, Colo. Filed Nov. 21, 1921.

CORRECTOR'S

Particular description of goods.—Laxative Preparations.
Claims use since Sept. 21, 1921.

Ser. No. 155,745. (CLASS 43. THREAD AND YARN.) THE FLOCK MANUFACTURING COMPANY, Philadelphia, Pa. Filed Nov. 22, 1911.



No claim being made to the words "Faultless Yarns" apart from the mark shown.

Particular description of goods.—Thread and Yarn.
Claims use since Jan. 1, 1915.

Ser. No. 155,750. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CLARENCE C. HAY, Como, Miss. Filed Nov. 22, 1921.

HAY-PO

Particular description of goods.—Shampoo Soap.
Claims use since Feb. 27, 1917.

295 O. G.—56

Ser. No. 155,785. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SITROUX IMPORTING COMPANY, INC., New York, N. Y. Filed Nov. 22, 1921.

The Boulevard Veil

No claim being made to the words "The" and "Veil" apart from the mark shown.

Particular description of goods.—Hair Nets and Vells.
Claims use since Feb. 10, 1919.

Ser. No. 155,800. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. BOURJOIS & Co. Inc., New York, N. Y. Filed Nov. 23, 1921.

Just a touch

Particular description of goods.—Toilet Powders and Compacts.

Claims use since January, 1914.

Ser. No. 155,850. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN BRUSH COMPANY, Washington, D. C. Filed Nov. 25, 1921.

SILVER QUEEN

Particular description of goods.—Nonelectric Vacuum Cleaners.

Claims use since Sept. 30, 1921.

Ser. No. 155,876. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) EUREKA STEEL RANGE Co., O'Fallon, Ill., and St. Louis, Mo. Filed Nov. 25, 1921. Under ten-year proviso.

EUREKA

Consisting of the coined word "Eureka."

Particular description of goods.—Steel Coal. Wood, and Combination of Coal and Gas and Wood and Gas Ranges.
Claims use since Jan. 15, 1895.

Ser. No. 155,877. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) EUREKA STEEL RANGE Co., O'Fallon, Ill., and St. Louis, Mo. Filed Nov. 25, 1921. Under ten-year proviso.

WILLARD

Consists of the word "Willard."

Particular description of goods.—Steel Coal, Wood, and Combination Coal and Gas and Wood and Gas Ranges.

Claims use since Feb. 1, 1876.

Ser. No. 155,893. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE KEY-STONE MFG. Co., Buffalo, N. Y. Filed Nov. 25, 1921.

VIKING

Particular description of goods.—Wrenches.

Claims use since Nov. 1, 1921.

Ser. No. 155,928. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE B. PROPP, Kansas City, Mo. Filed Nov. 25, 1921.



Particular description of goods.—Charging Battery Solution.

Claims use since Nov. 1, 1921.

Ser. No. 155,979. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY M. SPAHR, Woodsboro, Md. Filed Nov. 26, 1921.

"SMOKE EM"



Particular description of goods.—Composition for the Treatment of Roup, Colds, Diphtheria, Canker, and Chicken Pox Among Fowl.

Claims use since Mar. 1, 1921.

Ser. No. 155,996. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DEARBORN SUPPLY COMPANY, Chicago, Ill. Filed Nov. 28, 1921.

Barriflower

Particular description of goods.—Depilatory.

Claims use since Nov. 22, 1917.

Ser. No. 156,012. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEW YORK QUEBRACHO EXTRACT COMPANY, New York, N. Y. Filed Nov. 28, 1921.

PUREX

Particular description of goods.—Tanning Extracts.

Claims use since on or about Nov. 15, 1921.

Ser. No. 156,028. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) J. C. SCHWARTZ, St. Louis, Mo. Filed Nov. 28, 1921.



The heart-shaped figure on the drawing is red. No claim is made to the words "Casting Gold Formula Dr. E. R. Hart" apart from the mark shown on the drawing.

Particular description of goods.—Alloy for the restoration of broken-down teeth.

Claims use since Nov. 1, 1921.

Ser. No. 156,053. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHMANN & BOHNE, Berlin, Germany. Filed Nov. 29, 1921.



Particular description of goods.—Toilet Preparations—viz., Perfumes, Toilet Waters, Hair Tonics, Cosmetics, Toilet Creams and Powders, and Bathing Salt.

Claims use since Apr. 16, 1917.

Ser. No. 156,080. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
COLGATE & COMPANY, Jersey City, N. J. Filed Nov. 30, 1921.

ALLEGRO

Particular description of goods.—Liquid and Powdered Perfumes.

Claims use since Aug. 1, 1921.

Ser. No. 156,081. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
COLGATE & COMPANY, Jersey City, N. J. Filed Nov. 30, 1921.

ATTÁ

Particular description of goods.—Liquid and Powdered Perfumes.

Claims use since Aug. 1, 1921.

Ser. No. 156,109. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
HENRY A. SIEGRIST, St. Louis, Mo. Filed Nov. 30, 1921.

Herbetona

Particular description of goods.—Preparation for the Treatment of Rheumatism, Stomach Trouble, or Blood Impurities.

Claims use since about Jan. 1, 1907.

Ser. No. 156,137. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE AMERICAN STEEL & WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio. Filed Dec. 1, 1921.



Particular description of goods.—Wire-Rope Aerial Tramways and Parts Thereof, Aerial Tramway Carriers Not in the Form of Cars, Tools for Use in Connection with Electrical Rail Bonds for Railways, and Shafting.

Claims use since Oct. 1, 1899.

Ser. No. 156,141. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
THE AMERICAN STEEL & WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio. Filed Dec. 1, 1921.



Particular description of goods.—Sulphate of Iron.

Claims use since Oct. 1, 1899.

Ser. No. 156,143. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BOUND BROOK OIL-LESS BEARING COMPANY, Bound Brook, N. J. Filed Dec. 1, 1921.

BRO-BAB

Particular description of goods.—Engine and Machine Bearings and Bushings.

Claims use since Oct. 5, 1921.

Ser. No. 156,157. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JEREMIAH W. GERATY, New York, N. Y. Filed Dec. 1, 1921.

FLOOR-INE

Particular description of goods.—A Cleaning and Polishing Solution for Floor, Furniture, and Enameled Painted Surfaces.

Claims use since Jan. 1, 1896.

Ser. No. 156,166. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
MERRITT'S SONS, Newburgh, N. Y. Filed Dec. 1, 1921.

UCO-HOL

Consisting of the word "Uco-hol."

Particular description of goods.—Liquid Skin Tonics.

Claims use since Nov. 9, 1921.

Ser. No. 156,205. (CLASS 37. PAPER AND STATIONERY.) THE WALDREF MANUFACTURING Co., St. Paul, Minn. Filed Dec. 2, 1921.

RubberNek

Particular description of goods.—Magazine Pencils.
Claims use since Oct. 15, 1921.

Ser. No. 156,259. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE CINCINNATI SOAP COMPANY, Cincinnati, Ohio. Filed Dec. 5, 1921.



Particular description of goods.—Soap.
Claims use since Jan. 15, 1918.

Ser. No. 156,367. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed Dec. 7, 1921.

Algol

Particular description of goods.—Dyes and Dyestuffs.
Claims use since Jan. 1, 1907.

Ser. No. 156,368. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed Dec. 7, 1921.

Cellit

Particular description of goods.—Acetylcellulose and Preparations Useful for Photographic and Pharmaceutical Purposes in the Manufacture of Lacquers and for the Impregnation and Printing of Fabrics.
Claims use since about July 1, 1902.

Ser. No. 156,369. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed Dec. 7, 1921.

Supramin

Particular description of goods.—Dyes and Dyestuffs.
Claims use since about July 1, 1909.

Ser. No. 156,370. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed Dec. 7, 1921.

Pluto

Particular description of goods.—Dyes and Dyestuffs.
Claims use since about Jan. 1, 1897.

Ser. No. 156,371. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed Dec. 7, 1921.

Astrol

Particular description of goods.—Dyes and Dyestuffs.
Claims use since about July 1, 1904.

Ser. No. 156,374. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed Dec. 7, 1921.

Ceres

Particular description of goods.—Dyes and Dyestuffs.
Claims use since about Nov. 1, 1904.

Ser. No. 156,375. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed Dec. 7, 1921.

Coelestol

Particular description of goods.—Dyes and Dyestuffs.
Claims use since about July 1, 1902.

Ser. No. 156,376. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed Dec. 7, 1921.

Irisol

Particular description of goods.—Dyes and Dyestuffs.
Claims use since about July 1, 1901.

Ser. No. 156,377. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed Dec. 7, 1921.

Edinol

Particular description of goods.—Photographic Developers.

Claims use since about July 1, 1901.

Ser. No. 156,378. (CLASS 43. THREAD AND YARN.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed Dec. 7, 1921.

Bayko

Particular description of goods.—Fancy Yarns and Acetylcellulose Thread.

Claims use since about July 1, 1909.

Ser. No. 156,379. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed Dec. 7, 1921.

Paradurool

Particular description of goods.—A Chemical for Preventing Decomposition, Added to Pastes Used for Cotton or other Textile Printing and to Diazotized Products to be Used in Dyeing.

Claims use since Nov. 3, 1911.

Ser. No. 156,384. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. D. HOLLAND & Co., Chicago, Ill. Filed Dec. 7, 1921.

CITRO-NESIA

Particular description of goods.—Aperient Medicinal Preparation.

Claims use since Jan. 1, 1915.

Ser. No. 156,423. (CLASS 37. PAPER AND STATIONERY.) UNITED PAPER COMPANY, Atlanta, Ga. Filed Dec. 7, 1921.



Particular description of goods.—Fruit and Vegetable Wrappers.

Claims use since 1903.

Ser. No. 156,490. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GRAY MOTOR CORPORATION, Detroit, Mich. Filed Dec. 9, 1921.

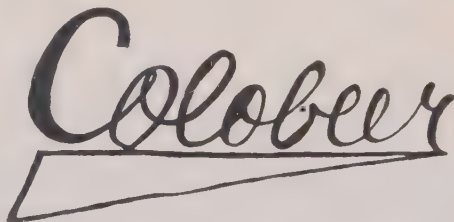


The word "Detroit" shown on drawing is disclaimed apart from mark shown.

Particular description of goods.—Automobiles and Their Structural Parts.

Claims use since May 1, 1920.

Ser. No. 156,578. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) ZOLLIE L. GLENN, Chaffee, Mo. Filed Dec. 12, 1921.



Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as Soft Drinks, and Sirup for Making the Same.

Claims use since Aug. 10, 1921.

Ser. No. 156,906. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) KEYSTONE SANITARY SUPPLY COMPANY, Greensburg, Pa. Filed Dec. 19, 1921.

OTOCLOTH

Particular description of goods.—Unimpregnated Dust-ers.

Claims use since Aug. 15, 1921.

Ser. No. 156,965. (CLASS 17. TOBACCO PRODUCTS.)
THE GENERAL TOBACCO COMPANY, Louisville, Ky. Filed
Dec. 20, 1921.

CHURCHILL DOWNS

Particular description of goods.—Cigarettes.
Claims use since Sept. 15, 1921.

Ser. No. 157,249. (CLASS 17. TOBACCO PRODUCTS.)
BRITISH-AMERICAN TOBACCO COMPANY, LIMITED, New
York, N. Y. Filed Dec. 29, 1921.



Particular description of goods.—Smoking Tobacco and
Cigarettes.
Claims use since 1899.

Ser. No. 157,284. (CLASS 4. ABRASIVE, DETERGENT,
AND POLISHING MATERIALS.) THE SPRING MFG.
Co., Meriden, Conn. Filed Dec. 29, 1921.

RAIN - AWAY

Particular description of goods.—A Compound in Liquid
Form Adapted to be Applied to Automobile Windshields.
Windows, or the like for the Prevention of Accumulation
of Water or Moisture Thereon.
Claims use since Dec. 9, 1921.

Ser. No. 157,437. (CLASS 33. GLASSWARE.) WALTER
E. MOULTON, Geneva, Ohio. Filed Jan. 3, 1922.

"Pathfinder"

Particular description of goods.—A Lens.
Claims use since Aug. 1, 1921.

Ser. No. 157,689. (CLASS 17. TOBACCO PRODUCTS.)
PEOPLES DRUG STORES, INC., Washington, D. C. Filed
Jan. 9, 1922.



Particular description of goods.—Cigars.
Claims use since Sept. 30, 1916.

Ser. No. 157,703. (CLASS 29. BROOMS, BRUSHES,
AND DUSTERS.) THE M. I. WILCOX COMPANY, To-
ledo, Ohio. Filed Jan. 9, 1922.

WILSTAND

Particular description of goods.—Paintbrushes.
Claims use since October, 1911.

Ser. No. 157,841. (CLASS 17. TOBACCO PRODUCTS.)
MOSS & LOWENHAUPT CIGAR Co., St. Louis, Mo. Filed
Jan. 12, 1922.

EMANELO

Particular description of goods.—Cigars, Cheroots,
Cigarettes, Smoking and Chewing Tobacco.
Claims use since on or about Jan. 1, 1904.

Ser. No. 157,854. (CLASS 19. VEHICLES, NOT IN-
CLUDING ENGINES.) SINCLAIR MILITOR CORPORA-
TION, New York, N. Y. Filed Jan. 12, 1922.

MILITOR

Particular description of goods.—Motor - Cycles, Side
Cars, and Trailers.
Claims use since about Nov. 15, 1918.

Ser. No. 157,862. (CLASS 29. BROOMS, BRUSHES,
AND DUSTERS.) VALMONT MFG. Co., INC., Brooklyn,
N. Y. Filed Jan. 12, 1922.

NATURELLE

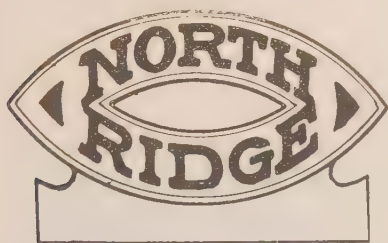
Particular description of goods.—Powder Puffs.
Claims use since Jan. 3, 1922.

Ser. No. 157,893. (CLASS 43. THREAD AND YARN.)
JAMES LEES AND SONS COMPANY, Bridgeport, Pa. Filed
Jan. 13, 1922.

Ladyfair

Particular description of goods.—Worsted, Woolen,
Silk, and Silk and Wool Mixed Yarns.
Claims use since Dec. 15, 1921.

Ser. No. 157,896. (CLASS 29. BROOMS, BRUSHES,
AND DUSTERS.) J. HENRY NORTRIDGE, Freeport, Ill.
Filed Jan. 13, 1922.



Particular description of goods.—Sanitary Wire-Gripped
Brushes, Dustless Mops, and Dusters.
Claims use since February, 1921.

Ser. No. 158,485. (CLASS 19. VEHICLES, NOT IN-
CLUDING ENGINES.) MCINTYRE BROS., Cranford,
N. J. Filed Jan. 26, 1922.

SAILPLANE

Particular description of goods.—Boats.
Claims use since Jan. 1, 1920.

Ser. No. 158,501. (CLASS 37. PAPER AND STATION-
ERY.) WHITE-WASHBURN COMPANY, INC., Hinsdale,
N. H. Filed Jan. 26, 1922.

*White
Mountain*

Particular description of goods.—Toilet Paper.
Claims use since Aug. 26, 1920.

Ser. No. 158,504. (CLASS 37. PAPER AND STATION-
ERY.) WHITE-WASHBURN COMPANY, INC., Hinsdale,
N. H. Filed Jan. 26, 1922.

PURASNOW

Particular description of goods.—Toilet Paper.
Claims use since Dec. 21, 1917.

Ser. No. 158,505. (CLASS 37. PAPER AND STATION-
ERY.) WHITE-WASHBURN COMPANY, INC., Hinsdale,
N. H. Filed Jan. 26, 1922.

BUTTERFLY

Particular description of goods.—Toilet Paper.
Claims use since May 22, 1915.

Ser. No. 158,506. (CLASS 37. PAPER AND STATION-
ERY.) WHITE-WASHBURN COMPANY, INC., Hinsdale,
N. H. Filed Jan. 26, 1922.

**GOLD
LEAF**

Particular description of goods.—Toilet Paper.
Claims use since Feb. 2, 1915.

Ser. No. 158,508. (CLASS 37. PAPER AND STATION-
ERY.) WHITE-WASHBURN COMPANY, INC., Hinsdale,
N. H. Filed Jan. 26, 1922.

MATSU

Particular description of goods.—Toilet Paper.
Claims use since Feb. 24, 1915.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

FEBRUARY 28, 1922.

- 152,334. MACHINERY FOR CONTROLLING THE OPERATION OF DOORS. HARRY G. AINSWORTH, Kentland, Ind.
Filed June 15, 1921. Serial No. 149,166. PUBLISHED NOVEMBER 8, 1921.
- 152,335. LEDGER PAPERS. THE ALLING AND CORY COMPANY, Pittsburgh, Pa.
Filed May 4, 1921. Serial No. 147,180. PUBLISHED NOVEMBER 15, 1921.
- 152,336. CIGARS. ALL SAINTS CIGAR COMPANY, Tampa, Fla.
Filed April 11, 1921. Serial No. 145,991. PUBLISHED NOVEMBER 29, 1921.
- 152,337. METALLIC TANKS. AMCO SALES CORPORATION, Chicago, Ill.
Filed November 13, 1920. Serial No. 139,601. PUBLISHED NOVEMBER 8, 1921.
- 152,338. TOY CHEMICAL SETS. AMERICAN DRUG AND CHEMICAL Co., Gettysburg, Pa.
Filed September 2, 1921. Serial No. 152,494. PUBLISHED NOVEMBER 15, 1921.
- 152,339. ORANGES AND LEMONS. AMERICAN FRUIT GROWERS OF PALESTINE, INC., Boston, Mass.
Filed May 19, 1921. Serial No. 147,942½. PUBLISHED NOVEMBER 8, 1921.
- 152,340. WHEAT FLOUR. AMERICAN HOMINY COMPANY, Indianapolis, Ind., and Decatur, Ill.
Filed July 23, 1919. Serial No. 120,808. PUBLISHED OCTOBER 25, 1921.
- 152,341. WRITING AND PRINTING PAPERS AND MAILING ENVELOPES. AMERICAN WRITING PAPER COMPANY, Holyoke, Mass.
Filed September 26, 1921. Serial No. 153,322. PUBLISHED NOVEMBER 22, 1921.
- 152,342. WRITING AND PRINTING PAPERS AND MAILING ENVELOPES. AMERICAN WRITING PAPER COMPANY, Holyoke, Mass.
Filed September 26, 1921. Serial No. 153,323. PUBLISHED NOVEMBER 15, 1921.
- 152,343. LATHER AND HAIR BRUSHES. LEOPOLD ASCHER, New York, N. Y.
Filed September 20, 1920. Serial No. 137,353. PUBLISHED NOVEMBER 22, 1921.
- 152,344. ROAD AND ROOFING OILS AND PETROLEUM ASPHALTS AND PITCHES. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed June 6, 1921. Serial No. 148,689. PUBLISHED OCTOBER 18, 1921.
- 152,345. TEXTILE FABRICS—NAMELY, FIBER-SILK JERSEY CLOTH. THE BANNER SILK KNITTING MILLS, INC., New York, N. Y.
Filed August 5, 1921. Serial No. 151,446. PUBLISHED OCTOBER 11, 1921.
- 152,346. MILK, CHEESE, AND EGGS. THE BEHRENS DAIRY PRODUCTS COMPANY, INC., New Orleans, La.
Filed December 6, 1920. Serial No. 140,633. PUBLISHED OCTOBER 11, 1921.
- 152,347. COTTON SHEETING IN THE PIECE. BERKELEY COMPANY, Providence, R. I.
Filed July 9, 1921. Serial No. 150,175. PUBLISHED OCTOBER 4, 1921.
- 152,348. CAMBRICS IN THE PIECE. BERKELEY COMPANY, Providence, R. I.
Filed July 9, 1921. Serial No. 150,177. PUBLISHED OCTOBER 4, 1921.
- 152,349. COTTON MADRAS IN THE PIECE. BERKELEY COMPANY, Providence, R. I.
Filed July 9, 1921. Serial No. 150,178. PUBLISHED OCTOBER 25, 1921.
- 152,350. PIECE GOODS OF SILK, WOOL, AND COTTON. BIANCHINI FERIER, Lyon, France.
Filed July 14, 1921. Serial No. 150,350. PUBLISHED OCTOBER 18, 1921.
- 152,351. BRICK AND CEMENTITIOUS TILE. BIRMINGHAM SLAG Co., Birmingham, Ala.
Filed May 13, 1921. Serial No. 147,659. PUBLISHED SEPTEMBER 20, 1921.
- 152,352. WOOLENS AND WORSTEDS IN THE PIECE. BLAKE & STEARNS, Boston, Mass.
Filed September 1, 1921. Serial No. 152,458. PUBLISHED NOVEMBER 15, 1921.
- 152,353. CIGARETTES. THE BLOCH BROS. TOBACCO Co., Wheeling, W. Va.
Filed February 2, 1921. Serial No. 143,083. PUBLISHED NOVEMBER 29, 1921.
- 152,354. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & Co. INC., New York, N. Y.
Filed August 12, 1921. Serial No. 151,701. PUBLISHED OCTOBER 18, 1921.
- 152,355. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & Co. INC., New York, N. Y.
Filed August 12, 1921. Serial No. 151,704. PUBLISHED OCTOBER 4, 1921.
- 152,356. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & Co. INC., New York, N. Y.
Filed August 13, 1921. Serial No. 151,750. PUBLISHED OCTOBER 11, 1921.
- 152,357. DOLLS. GEORGE BORGFELDT & Co., New York, N. Y.
Filed September 19, 1921. Serial No. 153,063. PUBLISHED NOVEMBER 15, 1921.
- 152,358. DOLLS. GEORGE BORGFELDT & Co., New York, N. Y.
Filed September 19, 1921. Serial No. 153,064. PUBLISHED NOVEMBER 15, 1921.
- 152,359. COTTON PIECE GOODS. THE BOSTON MANUFACTURING COMPANY, 1901, Waltham, Mass.
Filed August 24, 1921. Serial No. 152,117. PUBLISHED OCTOBER 11, 1921.
- 152,360. LAST THIMBLES. BOSTON PRESSED METAL COMPANY, Worcester, Mass.
Filed July 12, 1921. Serial No. 150,263. PUBLISHED NOVEMBER 8, 1921.
- 152,361. ICINGS, COATINGS, AND FROSTINGS. BROWN COMPANY, Portland, Me., and Berlin, N. H.
Filed July 28, 1921. Serial No. 151,029. PUBLISHED NOVEMBER 8, 1921.
- 152,362. MAYONNAISE, SALAD DRESSING, THOUSAND ISLAND DRESSING. HENRY SHOFNER BROWN, Seattle, Wash.
Filed May 9, 1921. Serial No. 147,398. PUBLISHED NOVEMBER 8, 1921.

152,363. EDIBLE VEGETABLE OILS. SAM BRUCK, Inc., New York, N. Y.
Filed January 27, 1921. Serial No. 142,825. PUBLISHED NOVEMBER 8, 1921.

152,364. A CARD AND BLOCK GAME. ARTHUR C. BRUDE, Virginia, Minn.
Filed May 21, 1920. Serial No. 132,718. PUBLISHED NOVEMBER 22, 1921.

152,365. DRIED BUTTERMILK. BUTTERMILK SALES Co., Chicago, Ill.
Filed June 24, 1921. Serial No. 149,577. PUBLISHED SEPTEMBER 20, 1921.

152,366. ADDING-MACHINE PAPER. CENTRAL PAPER COMPANY, Menasha, Wis.
Filed August 1, 1921. Serial No. 151,203. PUBLISHED NOVEMBER 15, 1921.

152,367. CLOTHES FOR SMALL BOYS—NAMELY, WASH SUITS, ROMPERS, BLOUSES, AND PANTS. THE CHARLES WILLIAM STORES, Inc., Brooklyn, N. Y.
Filed March 8, 1921. Serial No. 144,491. PUBLISHED AUGUST 2, 1921.

152,368. TIRE VALVES. ALEXIS CHARPILLOZ, Chate-laine, Switzerland.
Filed April 22, 1921. Serial No. 146,526. PUBLISHED OCTOBER 25, 1921.

152,369. HAIR NETS. N. B. COHEN, Scranton, Pa.
Filed August 27, 1921. Serial No. 152,236. PUBLISHED OCTOBER 11, 1921.

152,370. CRANES. COLBY STEEL AND ENGINEERING Co., Seattle, Wash.
Filed January 26, 1921. Serial No. 142,774. PUBLISHED NOVEMBER 15, 1921.

152,371. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. ANGELO COLLETTI, Chicago, Ill.
Filed April 15, 1921. Serial No. 146,204. PUBLISHED NOVEMBER 22, 1921.

152,372. WHEAT FLOUR. COLLINS FLOUR MILLS, Pendleton, Oreg.
Filed June 30, 1921. Serial No. 149,385. PUBLISHED OCTOBER 4, 1921.

152,373. CIGARS. CONGRESS CIGAR Co., Philadelphia, Pa.
Filed February 5, 1921. Serial No. 143,206. PUBLISHED NOVEMBER 22, 1921.

152,374. DECORATION MADE OF SHREDDED TIN-FOIL, SUITABLE FOR ORNAMENTATION OF CHRISTMAS TREES. THE CONLEY FOIL COMPANY, New York, N. Y.
Filed July 18, 1921. Serial No. 150,509. PUBLISHED NOVEMBER 22, 1921.

152,375. CHEWING AND SMOKING TOBACCO. CONSOLIDATED COMPANIES INC., Plaquemine, Morgan City, St. Martinville, New Roads, and White Castle, La.
Filed April 11, 1921. Serial No. 145,996. PUBLISHED NOVEMBER 29, 1921.

152,376. FLOOR COVERINGS COMPOSED OF FIBROUS MATERIAL SATURATED OR COATED WITH WATERPROOF SUBSTANCE. COTT-A-LAP COMPANY, Somerville, N. J.
Filed August 18, 1921. Serial No. 151,909. PUBLISHED OCTOBER 11, 1921.

152,377. CANDIES. CRUZEN-ALLEGRETTI Co., Chicago, Ill.
Filed July 9, 1921. Serial No. 150,184. PUBLISHED NOVEMBER 8, 1921.

152,378. IRISH STEW, (A COMBINATION OF MEAT AND VEGETABLES.) E. P. DAGGETT CANNING Co., Coopersville, Mich.
Filed March 12, 1921. Serial No. 144,667. PUBLISHED JUNE 28, 1921.

152,379. PASTRY AND CERTAIN NAMED CANNED GOODS. FLORA PAULLIN DALY, Mansfield, Ohio, assignor to Dime Cafeteria, Mansfield, Ohio, a Co-partnership.

Filed January 24, 1921. Serial No. 142,699. PUBLISHED MAY 10, 1921.

152,380. CATTLE AND STOCK FEED. SAMUEL PRESTON DAVIS, Little Rock, Ark.

Filed July 2, 1921. Serial No. 149,949. PUBLISHED NOVEMBER 8, 1921.

152,381. MOTION-PICTURE FILMS, CAMERAS, AND PROJECTING MACHINES, AND TALKING-MOVING-PICTURE MACHINES. DE FOREST RADIO TELEPHONE AND TELEGRAPH COMPANY, New York, N. Y.

Filed May 24, 1921. Serial No. 148,130. PUBLISHED NOVEMBER 8, 1921.

152,382. MOTION-PICTURE FILMS, CAMERAS, AND PROJECTING MACHINES, AND TALKING-MOVING-PICTURE MACHINES. DE FOREST RADIO TELEPHONE AND TELEGRAPH COMPANY, New York, N. Y.

Filed May 24, 1921. Serial No. 148,131. PUBLISHED NOVEMBER 8, 1921.

152,383. ALFALFA MEAL. THE DENVER ALFALFA MILLING & PRODUCTS Co., Lamar, Colo.

Filed June 29, 1921. Serial No. 149,799. PUBLISHED NOVEMBER 8, 1921.

152,384. HEDGE TRIMMERS. JOHN C. DETTRA, Oaks, Pa.

Filed July 21, 1921. Serial No. 150,734. PUBLISHED NOVEMBER 8, 1921.

152,385. CHOCOLATE SIRUPS AND OTHER MALTLESS SIRUPS FOR SOFT DRINKS AND SODA-FOUNTAIN USE. DEVOINE CANDY COMPANY, Baltimore, Md.

Filed August 27, 1921. Serial No. 152,240. PUBLISHED NOVEMBER 15, 1921.

152,386. CERTAIN PAPER-HANDLING MACHINES. DEXTER FOLDER COMPANY, New York, N. Y.

Filed June 20, 1921. Serial No. 149,391. PUBLISHED NOVEMBER 15, 1921.

152,387. NONALCOHOLIC, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME. THE DIAMOND BOTTLING CORPORATION, Waterbury, Conn.

Filed October 6, 1921. Serial No. 153,797. PUBLISHED NOVEMBER 22, 1921.

152,388. PIECE GOODS—NAMELY, CAMBRICS. HUGH A. DONNELLY, St. Louis, Mo.

Filed June 6, 1921. Serial No. 148,720. PUBLISHED OCTOBER 25, 1921.

152,389. STUCCO AND COMPOSITION FLOORING. DORITE MANUFACTURING COMPANY, New York, N. Y.

Filed July 5, 1921. Serial No. 150,007. PUBLISHED OCTOBER 18, 1921.

152,390. TULLES, MUSLINS, CRÉPES, AND SILKS, VEILS, AND VEILINGS AND NETTINGS IN THE PIECE. THE "DYNAMO" TULLE IMPORTING Co., New York, N. Y.

Filed May 11, 1921. Serial No. 147,555. PUBLISHED OCTOBER 11, 1921.

152,391. RAZOR STROPPING AND HONING MACHINES, AND RAZOR-BLADE HOLDERS, HONES, AND STROPS THEREFOR. ELECTROSTROP MANUFACTURING COMPANY, Inc., Philadelphia, Pa.

Filed March 18, 1921. Serial No. 144,900. PUBLISHED NOVEMBER 15, 1921.

152,392. SILK PIECE GOODS. EMPIRE SILK COMPANY, Wilmington, Del., and New York, N. Y.

Filed August 15, 1921. Serial No. 151,789. PUBLISHED OCTOBER 25, 1921.

- 152,393. MAPLE SIRUP, MAPLE SUGAR, MAPLE-SUGAR CANDY, AND MAPLE CREAM. EQUINOX MOUNTAIN SPRING, INC., New York, N. Y.
Filed April 2, 1921. Serial No. 145,619. PUBLISHED NOVEMBER 15, 1921.
- 152,394. PIECE GOODS MADE OF COTTON, ARTIFICIAL SILK, AND SILK, AND COMBINATIONS THEREOF. N. ERLANGER, BLUMGART & CO., INC., New York, N. Y.
Filed August 19, 1921. Serial No. 151,939. PUBLISHED OCTOBER 11, 1921.
- 152,395. UNFERMENTED GRAPE JUICE AND UNFERMENTED JUICE OF OTHER FRUITS. RAFAEL ESCOFET, Tarragona, Spain.
Filed June 13, 1921. Serial No. 149,076. PUBLISHED NOVEMBER 15, 1921.
- 152,396. CERTAIN NAMED BUILDING MATERIALS. THE EVANS BUILDERS COMPANY, Uhrichsville and Cincinnati, Ohio, and Washington, D. C.
Filed April 26, 1921. Serial No. 146,758. PUBLISHED SEPTEMBER 20, 1921.
- 152,397. RECEPTACLES, PARTICULARLY CLASSED AS TANKS. FABRICATED STEEL PRODUCTS CORPORATION, New York and Leetonia, N. Y.
Filed May 10, 1921. Serial No. 147,504. PUBLISHED NOVEMBER 8, 1921.
- 152,398. RUGS. W. M. FERGUSON, Fresno, Calif.
Filed August 15, 1921. Serial No. 151,790. PUBLISHED NOVEMBER 1, 1921.
- 152,399. ROOF COATING CONSISTING OF ASPHALT OIL, AND ASBESTOS FIBER AND MASTIC ROOFING CEMENT. THE FIREPROOF PRODUCTS CO., INC., New York, N. Y.
Filed March 14, 1921. Serial No. 144,715. PUBLISHED SEPTEMBER 20, 1921.
- 152,400. COMPOSITION FLOORING. THE FLEXSTONE FLOORING COMPANY, Columbus, Ohio.
Filed May 25, 1921. Serial No. 148,220. PUBLISHED OCTOBER 4, 1921.
- 152,401. TACKLE BLOCKS. JOHN H. FLYNN, Jr., Cincinnati, Ohio.
Filed October 18, 1920. Serial No. 138,433. PUBLISHED NOVEMBER 15, 1921.
- 152,402. CLINICAL THERMOMETERS. RICHARD FRANKLIN, New York, N. Y.
Filed April 18, 1921. Serial No. 146,305. PUBLISHED NOVEMBER 15, 1921.
- 152,403. CERTAIN NAMED HOUSEHOLD AND TOILET BRUSHES. THE FULLER BRUSH COMPANY, Hartford, Conn.
Filed January 7, 1921. Serial No. 141,951. PUBLISHED NOVEMBER 15, 1921.
- 152,404. RODENT POISON IN POWDERED FORM. HARRY T. GARNER, Sioux Falls, S. D.
Filed July 18, 1921. Serial No. 150,526. PUBLISHED NOVEMBER 1, 1921.
- 152,405. COFFEE. THE GENERAL COFFEE AND TEA COMPANY, Baltimore, Md.
Filed June 9, 1921. Serial No. 148,881. PUBLISHED SEPTEMBER 20, 1921.
- 152,406. FRESH POTATOES USED FOR TABLE AND SEED PURPOSES. DENNIS F. GETCHELL, Limestone, Me.
Filed February 19, 1921. Serial No. 143,813. PUBLISHED NOVEMBER 8, 1921.
- 152,407. HAIR NETS AND HANDKERCHIEFS. GILMAN BROS., INC., Boston, Mass.
Filed June 16, 1921. Serial No. 149,226. PUBLISHED OCTOBER 25, 1921.
- 152,408. TOY GRAPHOPHONES AND TOY TELEPHONES. THE GONG BELL MANUFACTURING CO., East Hampton, Conn.
Filed August 22, 1921. Serial No. 152,008. PUBLISHED NOVEMBER 29, 1921.
- 152,409. MATS MADE WHOLLY OR PARTLY OF RUBBER OR HAVING RUBBER INCORPORATED THEREIN. THE B. F. GOODRICH COMPANY, New York, N. Y.
Filed September 22, 1920. Serial No. 137,470. PUBLISHED OCTOBER 11, 1921.
- 152,410. NAIL PULLERS. L. F. GRAMMES & SONS, Allentown, Pa.
Filed May 18, 1921. Serial No. 147,873. PUBLISHED NOVEMBER 15, 1921.
- 152,411. WOOD SHINGLES. GRAYS HARBOR SHINGLE COMPANY, Aberdeen, Wash.
Filed September 3, 1921. Serial No. 152,552. PUBLISHED OCTOBER 18, 1921.
- 152,412. CERTAIN NONFERROUS METALS AND ALLOYS. GREAT WESTERN SMELTING & REFINING COMPANY, Chicago, Ill.
Filed June 17, 1921. Serial No. 149,281. PUBLISHED NOVEMBER 15, 1921.
- 152,413. CHOCOLATE CANDIES. E. GREENFIELD'S SONS, New York and Brooklyn, N. Y.
Filed July 6, 1921. Serial No. 150,065. PUBLISHED SEPTEMBER 20, 1921.
- 152,414. OUTING OUTFITS FOR CAMPING AND PICKNICKING PARTIES AND THE LIKE. HERBERT J. GREY, New York, N. Y.
Filed June 20, 1921. Serial No. 149,395. PUBLISHED OCTOBER 11, 1921.
- 152,415. FRESH CITRUS FRUITS. NEAMATHLA GROVE, Merritts Island, Fla.
Filed May 28, 1921. Serial No. 148,396. PUBLISHED NOVEMBER 8, 1921.
- 152,416. FRESH CITRUS FRUITS. NEAMATHLA GROVE, Merritts Island, Fla.
Filed May 28, 1921. Serial No. 148,397. PUBLISHED NOVEMBER 8, 1921.
- 152,417. FRESH CITRUS FRUITS. NEAMATHLA GROVE, Merritts Island, Fla.
Filed May 28, 1921. Serial No. 148,398. PUBLISHED NOVEMBER 8, 1921.
- 152,418. SEWING MACHINES. GUHL & HARBECK, Hamburg, Germany.
Filed March 14, 1921. Serial No. 144,716. PUBLISHED NOVEMBER 15, 1921.
- 152,419. FRESH CABBAGE, BEANS, IRISH POTATOES, PEACHES, WATERMELONS, AND SWEET POTATOES. GULF COAST PRODUCE EXCHANGE, Mobile, Ala.
Filed June 23, 1921. Serial No. 149,546. PUBLISHED NOVEMBER 8, 1921.
- 152,420. LATHER BRUSHES. THE HARDRIGHT COMPANY, Belleville, N. J.
Filed December 10, 1920. Serial No. 140,890. PUBLISHED NOVEMBER 22, 1921.
- 152,421. FISH FOOD. THE HEGER BIRD COMPANY, St. Paul, Minn.
Filed January 11, 1921. Serial No. 142,076. PUBLISHED OCTOBER 18, 1921.
- 152,422. BIRD SEEDS AND FOODS. THE HEGER BIRD CO., St. Paul, Minn.
Filed January 11, 1921. Serial No. 142,077. PUBLISHED OCTOBER 18, 1921.
- 152,423. CIGARS. H. & E. CIGAR COMPANY, Lancaster, Pa.
Filed April 5, 1921. Serial No. 145,748. PUBLISHED NOVEMBER 29, 1921.
- 152,424. TEXTILES—TO WIT, PONGEE, SILK, LINEN DUCK, COTTON DUCK, SILK VESTINGS, MOHAIR SUITINGS, AND CORDUROY. D & H HEIDGERD, New York, N. Y.
Filed July 21, 1921. Serial No. 150,747. PUBLISHED OCTOBER 18, 1921.

152,425. MOTION-PICTURE FILMS. SIEGFRIED M. HERZIG, Los Angeles, Calif.

Filed July 12, 1921. Serial No. 150,272. PUBLISHED NOVEMBER 15, 1921.

152,426. BASEBALL BATS. HILLERICH & BRADSBY Co. Inc., Louisville, Ky.

Filed July 7, 1921. Serial No. 150,107. PUBLISHED OCTOBER 11, 1921.

152,427. WORSTED AND WOOLEN TEXTILE FABRICS. HOLDEN-LEONARD COMPANY, New York, N. Y.

Filed August 22, 1921. Serial No. 152,013. PUBLISHED OCTOBER 25, 1921.

152,428. SOAP IN THE FORM OF A PASTE. RAYMOND E. HOYT, Los Angeles, Calif.

Filed January 9, 1920. Serial No. 126,961. PUBLISHED OCTOBER 19, 1921.

152,429. FREEZER DISPLAY COUNTER. HARRY L. HUSSMANN REFRIGERATOR & SUPPLY COMPANY, St. Louis, Mo.

Filed July 22, 1921. Serial No. 150,810. PUBLISHED NOVEMBER 29, 1921.

152,430. GREASE AND OIL GUNS AND CONNECTIONS THEREFOR. I-C MANUFACTURING COMPANY, Chicago, Ill.

Filed April 30, 1921. Serial No. 147,040. PUBLISHED NOVEMBER 15, 1921.

152,431. TOILET PAPER AND WRAPPING PAPER. INDUSTRIAL PAPER COMPANY, Baltimore, Md.

Filed July 5, 1921. Serial No. 150,012. PUBLISHED NOVEMBER 15, 1921.

152,432. CERTAIN AGRICULTURAL MACHINERY AND TRACTORS AND TRACTOR HITCHES. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.

Filed June 29, 1921. Serial No. 149,807. PUBLISHED NOVEMBER 8, 1921.

152,433. CERTAIN AGRICULTURAL MACHINERY AND TRACTORS AND TRACTOR HITCHES. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.

Filed June 29, 1921. Serial No. 149,808. PUBLISHED NOVEMBER 8, 1921.

152,434. A HOUSEHOLD AND GENERAL OFFICE INVENTORY RECORD BLANK. MURRY IRWIN, Cleveland, Ohio.

Filed April 29, 1921. Serial No. 146,970. PUBLISHED NOVEMBER 15, 1921.

152,435. A BRAND OF CANDY. JOHNSON & BONNIER, Detroit, Mich.

Filed May 17, 1919. Serial No. 118,602. PUBLISHED JUNE 8, 1920.

152,436. MALT EXTRACT. HERMAN KASSER, Philadelphia, Pa.

Filed October 1, 1921. Serial No. 153,606. PUBLISHED NOVEMBER 22, 1921.

152,437. DIAGNOSTIC INSTRUMENTS FOR MEASURING THE RATE OF OXYGEN CONSUMPTION. HOBBS M. JONES, Chicago, Ill.

Filed December 13, 1920. Serial No. 140,997. PUBLISHED NOVEMBER 15, 1921.

152,438. MOUSETRAPS. KATCHALL MOUSE TRAP MANUFACTURING Co., Greenville, Miss.

Filed March 16, 1921. Serial No. 144,816. PUBLISHED OCTOBER 11, 1921.

152,439. HAIR NETS. MATTHEW KAUFMAN, New York, N. Y.

Filed August 25, 1921. Serial No. 152,173. PUBLISHED OCTOBER 11, 1921.

152,440. TOOTH, NAIL, HAND, AND BATH BRUSHES. KAUFMAN-STRAUS Co., Louisville, Ky.

Filed December 6, 1920. Serial No. 140,657. PUBLISHED NOVEMBER 15, 1921.

152,441. HAIR NETS. MARTIN KEPESH, New York, N. Y.

Filed August 4, 1921. Serial No. 151,365. PUBLISHED OCTOBER 25, 1921.

152,442. BOYS' WASH SUITS AND GIRLS' DRESSES. KIDDIE GARMENT Co., Inc., New York, N. Y.

Filed May 13, 1920. Serial No. 132,389. PUBLISHED JULY 19, 1921.

152,443. CERTAIN CASTINGS. KINGWELL BROS., San Francisco, Calif.

Filed February 26, 1921. Serial No. 144,090. PUBLISHED NOVEMBER 8, 1921.

152,444. SOAP. JAMES S. KIRK & COMPANY, Chicago, Ill.

Filed August 15, 1921. Serial No. 151,799. PUBLISHED NOVEMBER 1, 1921.

152,445. ALL-RUBBER BABY PANTS, ALL-RUBBER WADERS, AND ALL-RUBBER GARMENT PROTECTORS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.

Filed July 23, 1920. Serial No. 135,328. PUBLISHED JUNE 14, 1921.

152,446. ALL-RUBBER BABY PANTS, ALL-RUBBER WADERS, AND ALL-RUBBER GARMENT PROTECTORS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.

Filed July 23, 1920. Serial No. 135,329. PUBLISHED JUNE 14, 1921.

152,447. CONCRETE MIXERS, CONCRETE-DISTRIBUTING MACHINES, LOADING SKIPS, GRADERS, LOCOMOTIVE CRANES, AND PAVING MACHINES. KOEHRING COMPANY, Milwaukee, Wis.

Filed June 15, 1921. Serial No. 149,189. PUBLISHED NOVEMBER 8, 1921.

152,448. FRESH GRAPES. R. KRASNOW & SONS, Inc., Pittsburgh, Pa.

Filed July 5, 1921. Serial No. 150,017. PUBLISHED SEPTEMBER 20, 1921.

152,449. SEWING AND EMBROIDERING MACHINE NEEDLES. LEO LAMMERTZ, Aix-la-Chapelle, Germany.

Filed March 28, 1921. Serial No. 145,344. PUBLISHED NOVEMBER 8, 1921.

152,450. CANNED FRUITS. HARRY MARTIN LOCKWOOD, Redondo Beach, Calif.

Filed June 1, 1921. Serial No. 148,496. PUBLISHED NOVEMBER 8, 1921.

152,451. HAIR NETS. LORRAINE MANUFACTURING & IMPORTING COMPANY, Grand Haven, Mich.

Filed July 18, 1921. Serial No. 150,546. PUBLISHED OCTOBER 25, 1921.

152,452. CIGARS. JOHN NORMAN MCCRARY, High Point, N. C.

Filed April 2, 1921. Serial No. 145,637. PUBLISHED NOVEMBER 29, 1921.

152,453. HOP BARLEY MALT SUGAR SIRUP FOR THE MANUFACTURE OF A BEVERAGE. JOHN MACAULAY, Detroit, Mich.

Filed August 3, 1921. Serial No. 151,327. PUBLISHED NOVEMBER 22, 1921.

152,454. ATTACHMENTS FOR FITTING MAGNETOS TO INTERNAL-COMBUSTION ENGINES AND MAGNETO DRIVE-COUPINGS THEREFOR. MAGNETO ATTACHMENT Co. Inc., New York, N. Y.

Filed May 27, 1921. Serial No. 148,340. PUBLISHED NOVEMBER 15, 1921.

152,455. SILK PIECE GOODS. H. R. MALLINSON & Co. Inc., New York, N. Y.

Filed August 27, 1921. Serial No. 152,272. PUBLISHED OCTOBER 25, 1921.

152,456. POWDER PUFFS. MARCUS & SMITH, New York, N. Y.

Filed June 22, 1921. Serial No. 149,512. PUBLISHED NOVEMBER 15, 1921.

152,457. CHILDREN'S EXPRESS WAGONS AND CHILDREN'S COASTER WAGONS. MARSHALL-WELLS COMPANY, Duluth, Minn.

Filed August 2, 1920. Serial No. 135,725. PUBLISHED NOVEMBER 15, 1921.

- 152,458. TIME-CONTROLLED SIGNALS AND TRIP MECHANISMS FOR AUTOMATICALLY ARRESTING OPERATION OF A MACHINE. THE MEASUREGRAPH COMPANY, St. Louis, Mo.
Filed February 28, 1921. Serial No. 144,144. PUBLISHED NOVEMBER 15, 1921.
- 152,459. CERTAIN MACHINERY. METROPOLITAN-VICKERS ELECTRICAL CO., LTD., London, Westminster, England.
Filed December 31, 1920. Serial No. 141,726. PUBLISHED NOVEMBER 15, 1921.
- 152,460. STOGIES. BERNARD M. MEYER, Louisville, Ky.
Filed February 21, 1921. Serial No. 143,880. PUBLISHED NOVEMBER 29, 1921.
- 152,461. CIGARS. MI FAVORITA CIGAR COMPANY, INC., New York, N. Y.
Filed March 28, 1921. Serial No. 145,352. PUBLISHED NOVEMBER 29, 1921.
- 152,462. PROJECTION SCREENS FOR MOVING PICTURES. MITROE EXPORT & IMPORT CO., INC., New York, N. Y.
Filed July 13, 1921. Serial No. 150,322. PUBLISHED NOVEMBER 15, 1921.
- 152,463. KEY-RING HOOKS. WILLIAM N. MORRISON, Los Angeles, Calif.
Filed May 29, 1920. Serial No. 133,098. PUBLISHED NOVEMBER 15, 1921.
- 152,464. METAL (COMMERCIAL) ROD NOT FABRICATED INTO FINISHED ARTICLES. MUELLER METALS COMPANY, Port Huron, Mich.
Filed January 14, 1921. Serial No. 142,262. PUBLISHED NOVEMBER 15, 1921.
- 152,465. METAL (COMMERCIAL) ROD NOT FABRICATED INTO FINISHED ARTICLES. MUELLER METALS COMPANY, Port Huron, Mich.
Filed January 14, 1921. Serial No. 142,263. PUBLISHED NOVEMBER 15, 1921.
- 152,466. ORNAMENTAL AND ORNAMENTED POTTERY. THE CHARLES MULLIS MANUFACTURING COMPANY, Greensburg, Ind.
Filed April 28, 1920. Serial No. 131,726. PUBLISHED NOVEMBER 8, 1921.
- 152,467. PREPARED ROOFING. NATIONAL ASBESTOS MANUFACTURING CO., Jersey City, N. J.
Filed April 1, 1921. Serial No. 145,578. PUBLISHED OCTOBER 18, 1921.
- 152,468. CERTAIN METAL-WORKING TOOLS. THE NEW BRITAIN TOOL AND MANUFACTURING COMPANY, New Britain, Conn.
Filed May 2, 1921. Serial No. 147,118. PUBLISHED NOVEMBER 15, 1921.
- 152,469. BREAD, BISCUITS, DOUGHNUTS, FRUIT CAKE, LAYER CAKE, ANGEL CAKE, ASSORTED CAKES, AND COOKIES. JOHN J. NISSEN BAKING COMPANY, Portland, Me.
Filed March 9, 1921. Serial No. 144,539. PUBLISHED NOVEMBER 8, 1921.
- 152,470. SHINGLES. ROOFING. PAPER. BUILDING PAPER, AND WALL BOARD. THE NOLL-WELTY LUMBER COMPANY, Kansas City, Mo.
Filed November 17, 1919. Serial No. 125,010. PUBLISHED SEPTEMBER 20, 1921.
- 152,471. GRINDING MACHINES AND ATTACHMENTS THERETO. NORTON COMPANY, Worcester, Mass.
Filed July 15, 1921. Serial No. 150,406. PUBLISHED NOVEMBER 8, 1921.
- 152,472. ALMONDS AND OTHER NUTS SALTED IN THE SHELL. THE NUT SPECIALTY HOUSE, St. Paul, Minn.
Filed April 14, 1921. Serial No. 146,181. PUBLISHED NOVEMBER 1, 1921.
- 152,473. CIGARS. FRED H. NUTTLEMAN, Westhoff, Tex.
Filed January 28, 1921. Serial No. 142,903. PUBLISHED NOVEMBER 29, 1921.
- 152,474. TRAVELING-BELT SIGNS. ODLE BROTHERS, Detroit, Mich.
Filed June 20, 1921. Serial No. 149,419. PUBLISHED NOVEMBER 8, 1921.
- 152,475. CIGARS. Y. F. O'HALLORAN & SON, Tampa, Fla.
Filed February 18, 1921. Serial No. 143,776. PUBLISHED NOVEMBER 29, 1921.
- 152,476. PIECE GOODS—NAMELY, SHEETINGS AND DRILLS. ORR COTTON MILLS, Anderson, S. C.
Filed August 8, 1921. Serial No. 151,558. PUBLISHED OCTOBER 18, 1921.
- 152,477. WAXED AND TRANSPARENT PAPERS. PACKAGE PAPER & SUPPLY CORPORATION, Springfield, Mass.
Filed June 10, 1921. Serial No. 148,950. PUBLISHED NOVEMBER 15, 1921.
- 152,478. A REACHING DEVICE FOR USE IN HANGING PICTURES AND CURTAIN POLES AND THE TAKING DOWN OF THE SAME. MARY M. PASSY, Port Hope, Ontario, Canada.
Filed June 21, 1918. Serial No. 111,736. PUBLISHED NOVEMBER 8, 1921.
- 152,479. CONCENTRATED FRUIT PECTIN. PECTIN SALES CO., INC., Rochester, N. Y.
Filed June 18, 1921. Serial No. 149,354. PUBLISHED SEPTEMBER 20, 1921.
- 152,480. A NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND POWDER FOR MAKING SAME. "PEP" LABORATORY, Chicago, Ill.
Filed May 31, 1921. Serial No. 148,454. PUBLISHED NOVEMBER 15, 1921.
- 152,481. MILK CHOCOLATE AND COCOA. PETER CAILLER KOHLER SWISS CHOCOLATES CO., INC., New York, N. Y.
Filed July 29, 1921. Serial No. 151,091. PUBLISHED NOVEMBER 8, 1921.
- 152,482. PORTLAND CEMENT. PETOSKEY PORTLAND CEMENT CO., Dover, Del., and Petoskey, Mich.
Filed April 23, 1921. Serial No. 146,659. PUBLISHED SEPTEMBER 20, 1921.
- 152,483. EXPANSION BOLTS. RALPH S. PEIRCE, Hinsdale, Ill.
Filed May 23, 1921. Serial No. 148,085. PUBLISHED NOVEMBER 15, 1921.
- 152,484. CERTAIN TABLE FLATWARE AND CUTLERY OF BASE METAL. PREMIER CUTLERY, INC., New York, N. Y.
Filed May 21, 1921. Serial No. 148,034. PUBLISHED NOVEMBER 15, 1921.
- 152,485. CERTAIN TABLE FLATWARE AND CUTLERY OF BASE METAL. PREMIER CUTLERY, INC., New York, N. Y.
Filed May 21, 1921. Serial No. 148,035. PUBLISHED NOVEMBER 15, 1921.
- 152,486. LEAD PENCILS. REALITE PENCIL CO., Chicago, Ill.
Filed June 20, 1921. Serial No. 149,424. PUBLISHED NOVEMBER 15, 1921.
- 152,487. WHEELED RIDING TOYS. THE RICHARDS MANUFACTURING COMPANY, Marietta, Ohio, assignor, by mesne assignments, to Gould Manufacturing Company, Oshkosh, Wis., a Corporation of Wisconsin.
Filed June 9, 1919. Serial No. 119,369. PUBLISHED NOVEMBER 22, 1921.
- 152,488. CIGARS. MAURICE ROSENTHAL, San Francisco, Calif.
Filed March 22, 1921. Serial No. 145,084. PUBLISHED NOVEMBER 29, 1921.
- 152,489. CIGARS. MAURICE ROSENTHAL, San Francisco, Calif.
Filed March 22, 1921. Serial No. 145,085. PUBLISHED NOVEMBER 29, 1921.

152,490. LEATHER HANDBAGS. RYAN-CUSHING COMPANY, Boston, Mass.

Filed May 2, 1921. Serial No. 147,125. PUBLISHED NOVEMBER 8, 1921.

152,491. CHILDREN'S ONE-PIECE OVERALLS, TWO-PIECE OVERALLS, AND ROMPERS. SACKMAN BROTHERS COMPANY, New York, N. Y.

Filed February 28, 1920. Serial No. 129,020. PUBLISHED NOVEMBER 23, 1920.

152,492. SUGAR, TABLE AND COOKING SIRUPS, AND MOLASSES. SALSBERG REFINING COMPANY, LTD., Lauderdale, La.

Filed April 20, 1921. Serial No. 146,466. PUBLISHED NOVEMBER 8, 1921.

152,493. TOOTHBRUSHES, CLOTH BRUSHES, HAND BRUSHES, HAIR BRUSHES, AND SHAVING BRUSHES. SAN ANTONIO DRUG CO., San Antonio, Tex.

Filed January 18, 1921. Serial No. 142,420. PUBLISHED NOVEMBER 15, 1921.

152,494. CANNED SALMON. GEO. W. SANBORN & SONS, Astoria, Oreg.

Filed July 1, 1921. Serial No. 149,934. PUBLISHED NOVEMBER 8, 1921.

152,495. DISH-WASHING MACHINES. SANITARY DISH WASHING MACHINE COMPANY, Milwaukee, Wis.

Filed September 3, 1920. Serial No. 136,814. PUBLISHED NOVEMBER 15, 1921.

152,496. CERTAIN VALVES AND SIPHONS, COCKS, AND METAL TUBES, PIPING, PIPE FITTINGS, AND FLEXIBLE TUBING. CARL SCHNEIDER, Nutley, N. J.

Filed April 23, 1921. Serial No. 146,669. PUBLISHED NOVEMBER 15, 1921.

152,497. FRUIT PRESSES. THE O. P. SCHRIVER CO., Cincinnati, Ohio.

Filed May 25, 1921. Serial No. 148,245. PUBLISHED NOVEMBER 15, 1921.

152,498. ENAMEL PAPER. SEAMAN PATRICK PAPER CO., Detroit, Mich.

Filed June 29, 1921. Serial No. 149,822. PUBLISHED NOVEMBER 15, 1921.

152,499. WATER CIRCULATOR FOR INTERNAL-COMBUSTION ENGINES. S & G MANUFACTURING COMPANY, Stockton, Calif.

Filed June 20, 1921. Serial No. 149,429. PUBLISHED NOVEMBER 8, 1921.

152,500. EVAPORATED MILK AND CONDENSED MILK. SHEFFIELD CONDENSED MILK CO. INC., New York, N. Y.

Filed July 30, 1921. Serial No. 151,188. PUBLISHED NOVEMBER 29, 1921.

152,501. WRENCHES. SHUSTER ENGINEERING CORPORATION, Philadelphia, Pa.

Filed June 28, 1921. Serial No. 149,782. PUBLISHED NOVEMBER 8, 1921.

152,502. FLOUNCES IN THE PIECE, EMBROIDERED BANDINGS IN THE PIECE, AND SKIRTINGS IN THE PIECE. G. SIDENBERG & Co., New York, N. Y.

Filed June 30, 1921. Serial No. 149,863. PUBLISHED OCTOBER 18, 1921.

152,503. FLOUNCES IN THE PIECE, EMBROIDERED BANDINGS IN THE PIECE, AND SKIRTINGS IN THE PIECE. G. SIDENBERG & Co., New York, N. Y.

Filed June 30, 1921. Serial No. 149,864. PUBLISHED OCTOBER 18, 1921.

152,504. CIGARS. SILBERMAN & GAST, Chester, Pa.

Filed May 3, 1921. Serial No. 147,172. PUBLISHED NOVEMBER 29, 1921.

152,505. COFFEE. SIMON LEVI COMPANY, San Diego, Calif.

Filed September 30, 1920. Serial No. 137,790. PUBLISHED APRIL 19, 1921.

152,506. MACHINES FOR MAKING ENVELOPES. F. L. SMITHE MACHINE COMPANY, INCORPORATED, New York, N. Y.

Filed June 24, 1921. Serial No. 149,603. PUBLISHED NOVEMBER 8, 1921.

152,507. CERTAIN METAL-WORKING SMALL TOOLS. SOCIÉTÉ DES USINES CURIAL, Paris, France.

Filed June 14, 1921. Serial No. 149,152. PUBLISHED NOVEMBER 15, 1921.

152,508. PIECE GOODS IN THE FORM OF COTTON LACE. SOCIÉTÉ FRANÇAISE DE COTONS A COUDRE (SOCIÉTÉ ANONYME), Paris, France.

Filed July 16, 1921. Serial No. 150,478. PUBLISHED OCTOBER 25, 1921.

152,509. PIECE GOODS IN THE FORM OF COTTON LACE. SOCIÉTÉ FRANÇAISE DE COTONS A COUDRE (SOCIÉTÉ ANONYME), Paris, France.

Filed July 16, 1921. Serial No. 150,482. PUBLISHED OCTOBER 25, 1921.

152,510. CERTAIN IRON AND STEEL PRODUCTS. EDWARD L. SOULÉ, San Francisco, Calif.

Filed March 28, 1921. Serial No. 145,366. PUBLISHED NOVEMBER 8, 1921.

152,511. ROTATABLE DICE. THE SPINIM CO., New York, N. Y.

Filed September 19, 1921. Serial No. 153,115. PUBLISHED NOVEMBER 15, 1921.

152,512. EXPANSION-JOINT FILLERS FOR STREET PAVEMENTS, ALLEYS, ROADS, RESERVOIRS, AND BUILDING CONSTRUCTION. STANDARD ASPHALT & REFINING CO., Chicago, Ill.

Filed August 10, 1921. Serial No. 151,640. PUBLISHED SEPTEMBER 27, 1921.

152,513. CERTAIN ARTICLES OF BUILDERS' AND OTHER HARDWARE. THE STANLEY WORKS, New Britain, Conn.

Filed December 14, 1920. Serial No. 141,083. PUBLISHED NOVEMBER 15, 1921.

152,514. WATERPROOF CEMENT FOR BUILDING. THE STAVELEY COAL & IRON CO. LIMITED, Barrow Hill, near Chesterfield, England.

Filed August 24, 1921. Serial No. 152,140. PUBLISHED OCTOBER 4, 1921.

152,515. WOOLEN PIECE GOODS. S. STEIN & Co., New York, N. Y.

Filed August 25, 1921. Serial No. 152,186. PUBLISHED OCTOBER 11, 1921.

152,516. COMPOSITION FLOORING IN BLOCKS AND SHEETS. JUNIUS H. STONE CORPORATION, New York, N. Y.

Filed July 20, 1921. Serial No. 150,712. PUBLISHED OCTOBER 18, 1921.

152,517. DOLLS. A. STRAUSS & Co., New York, N. Y.

Filed September 23, 1921. Serial No. 153,265. PUBLISHED NOVEMBER 15, 1921.

152,518. PUMPS AND PUMPING PLANTS. SUPERIOR MANUFACTURING COMPANY, Lodi, Calif.

Filed September 2, 1920. Serial No. 136,775. PUBLISHED NOVEMBER 15, 1921.

152,519. ENVELOPES. TENSION ENVELOPE COMPANY, INC., Brooklyn, N. Y.

Filed September 7, 1921. Serial No. 152,691. PUBLISHED NOVEMBER 15, 1921.

152,520. MALT SIRUP. WALTER L. TRIBBLE, Tacoma, Wash.

Filed September 12, 1921. Serial No. 152,870. PUBLISHED NOVEMBER 22, 1921.

152,521. HAIR, NAIL, TOOTH, HAT, AND CLOTH BRUSHES. TUSKELOID COMPANY, INC., New York, N. Y.

Filed December 6, 1920. Serial No. 140,689. PUBLISHED NOVEMBER 15, 1921.

152,522. HAIR, NAIL, TOOTH, HAT, AND CLOTH BRUSHES. TUSKELOID COMPANY, INC., New York, N. Y.

Filed December 6, 1920. Serial No. 140,694. PUBLISHED NOVEMBER 15, 1921.

152,523. VIBRATED-SCREEN SEPARATING MACHINES. THE W. S. TYLER COMPANY, Cleveland, Ohio.

Filed July 21, 1919. Serial No. 120,776. PUBLISHED NOVEMBER 15, 1921.

152,524. CANDY, SUCH AS CHOCOLATE BARS, CARAMELS, AND OTHER LIKE CANDY THAT IS USUALLY MARKETED IN INDIVIDUAL WRAPPERS. UCANCO CANDY COMPANY, Davenport, Iowa.

Filed May 9, 1921. Serial No. 147,479. PUBLISHED NOVEMBER 8, 1921.

152,525. WOVEN TEXTILE FABRICS IN THE PIECE USED AS FOUNDATION MATERIAL FOR ART NEEDLEWORK. BERNHARD ULMANN CO. INC., New York, N. Y.

Filed July 7, 1921. Serial No. 150,094. PUBLISHED NOVEMBER 1, 1921.

152,526. WOVEN TEXTILE FABRICS IN THE PIECE USED AS FOUNDATION MATERIAL FOR ART NEEDLEWORK. BERNHARD ULMANN CO. INC., New York, N. Y.

Filed July 7, 1921. Serial No. 150,097. PUBLISHED NOVEMBER 1, 1921.

152,527. CERTAIN MACHINERY AND TOOLS. UNITED IRON WORKS, INC., Kansas City, Mo.

Filed June 22, 1920. Serial No. 134,046. PUBLISHED NOVEMBER 8, 1921.

152,528. PLAYING CARDS. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio.

Filed July 29, 1921. Serial No. 151,115. PUBLISHED NOVEMBER 15, 1921.

152,529. PLAYING CARDS. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio.

Filed July 29, 1921. Serial No. 151,119. PUBLISHED NOVEMBER 15, 1921.

152,530. GOLF BALLS. UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y.

Filed September 16, 1921. Serial No. 153,023. PUBLISHED NOVEMBER 15, 1921.

152,531. ARTIFICIAL REFRIGERATING UNITS AND HOUSEHOLD REFRIGERATORS. THE UTILITY COMPRESSOR COMPANY, Detroit, Mich.

Filed December 16, 1920. Serial No. 141,199. PUBLISHED NOVEMBER 15, 1921.

152,532. CRULLERS. VAN CRULLER COMPANY, Newark, N. J.

Filed June 22, 1921. Serial No. 149,530. PUBLISHED NOVEMBER 8, 1921.

152,533. REMEDY FOR HEMORRHOIDS. JOHN VARGA, South Bethlehem, Pa.

Filed June 29, 1921. Serial No. 149,833. PUBLISHED NOVEMBER 1, 1921.

152,534. CERTAIN WINDOW ATTACHMENTS FOR CARRYING, ADJUSTING, AND REGULATING ORDINARY WINDOW SHADES. VENTALITE SHADE REGULATOR COMPANY, St. Louis, Mo.

Filed April 21, 1920. Serial No. 131,455. PUBLISHED NOVEMBER 8, 1921.

152,535. POLISH AND CLEANER FOR AUTOMOBILES, FURNITURE, AND WOOD. VINARD MANUFACTURING COMPANY, INC., Rochester, N. Y.

Filed July 13, 1921. Serial No. 150,338. PUBLISHED NOVEMBER 1, 1921.

152,536. LIQUID MALT EXTRACT. CHAS. VOLKER & SON, Chicago, Ill.

Filed September 1, 1921. Serial No. 152,490. PUBLISHED NOVEMBER 15, 1921.

152,537. POTATO CHIPS. WALTON & HOFFMAN, Buffalo, N. Y.

Filed May 13, 1921. Serial No. 147,699. PUBLISHED NOVEMBER 8, 1921.

152,538. GOLF BALLS. JOHN WANAMAKER, New York, N. Y.

Filed September 23, 1921. Serial No. 153,271. PUBLISHED NOVEMBER 15, 1921.

152,539. PAVEMENTS AND PAVING MATERIALS CONTAINING BITUMINOUS MATTER. WARREN BROTHERS COMPANY, Boston, Mass.

Filed August 9, 1921. Serial No. 151,602. PUBLISHED SEPTEMBER 20, 1921.

152,540. PAVEMENTS AND PAVING MATERIALS CONTAINING BITUMINOUS MATTER. WARREN BROTHERS COMPANY, Boston, Mass.

Filed August 19, 1921. Serial No. 151,967. PUBLISHED OCTOBER 4, 1921.

152,541. EDUCATIONAL GAME BOARD. VERNA O. WATKINS, Atlanta, Ga.

Filed August 11, 1921. Serial No. 151,694. PUBLISHED NOVEMBER 22, 1921.

152,542. CERTAIN NAMED SOFT DRINKS. THE WAWPEEK SPRING WATER CO., Suffield, Conn.

Filed April 14, 1921. Serial No. 146,176. PUBLISHED NOVEMBER 15, 1921.

152,543. SILK AND SILK-MIXTURE FABRICS IN THE PIECE. WECHSLER BARBER SILK CO. INC., New York, N. Y.

Filed July 29, 1921. Serial No. 151,136. PUBLISHED OCTOBER 11, 1921.

152,544. CHAMPAGNE WINES. WERLE ET COMPAGNIE, Reims, France.

Filed May 20, 1921. Serial No. 148,004. PUBLISHED NOVEMBER 22, 1921.

152,545. CHAMPAGNE WINES. WERLE ET COMPAGNIE, Reims, France.

Filed May 20, 1921. Serial No. 148,006. PUBLISHED NOVEMBER 22, 1921.

152,546. SCREWS AND BOLTS. WHEELING MACHINE PRODUCTS COMPANY, Wheeling, W. Va.

Filed July 16, 1921. Serial No. 150,492. PUBLISHED NOVEMBER 22, 1921.

152,547. COTTON PIECE GOODS, AND ESPECIALLY DENIM. THE WHITE MILLS OF NEW HAMPSHIRE, Winchendon and Winchendon Springs, Mass.

Filed July 26, 1921. Serial No. 150,984. PUBLISHED NOVEMBER 1, 1921.

152,548. CERTAIN WIRE CLOTH, WIRE NETTING, AND WIRE FABRIC, WELDED SCREEN, AND OTHER WIRE PRODUCTS. WICKWIRE SPENCER STEEL CORPORATION, Worcester, Mass.

Filed March 23, 1921. Serial No. 145,143. PUBLISHED NOVEMBER 15, 1921.

152,549. FRESH FRUITS, FRESH VEGETABLES, AND FRESH BERRIES. WICOMICO FARMERS ASSOCIATION, INC., Salisbury, Md.

Filed June 23, 1921. Serial No. 149,568. PUBLISHED NOVEMBER 8, 1921.

152,550. CANDY. WILLIAMSON CANDY CO., Chicago, Ill.

Filed July 6, 1921. Serial No. 150,085. PUBLISHED SEPTEMBER 20, 1921.

152,551. WRENCHES, TOOL HOLDERS, LATHE DOGS, CLAMPS. J. H. WILLIAMS & Co., Brooklyn, N. Y.

Filed July 14, 1921. Serial No. 150,382. PUBLISHED NOVEMBER 8, 1921.

152,552. BASEBALLS. THOS. E. WILSON & Co., Chicago, Ill.

Filed September 15, 1921. Serial No. 152,972. PUBLISHED NOVEMBER 15, 1921.

- | | |
|--|--|
| <p>152,553. CERTAIN CUTLERY AND TOOLS. WINCHES-
TER REPEATING ARMS Co., New Haven, Conn.
Filed June 20, 1921. Serial No. 149,432. PUBLISHED
NOVEMBER 8, 1921.</p> <p>152,554. BROOMS. WINDSOR BROOM COMPANY, Ham-
burg, Pa.
Filed July 5, 1921. Serial No. 150,049. PUBLISHED
NOVEMBER 15, 1921.</p> | <p>152,555. CAMEL'S-HAIR CLOTH IN THE PIECE.
WORUMBO MANUFACTURING COMPANY, Bath, Me.
Filed June 24, 1921. Serial No. 149,616. PUBLISHED
NOVEMBER 1, 1921.</p> <p>152,556. SILKS, RIBBONS, VELVETS, AND COTTON
GOODS, ALL IN THE PIECE. WYLE-HEINSFURTER
Co., New York, N. Y.
Filed August 20, 1921. Serial No. 151,998. PUB-
LISHED NOVEMBER 1, 1921.</p> |
|--|--|

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

FEBRUARY 28, 1922.

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

152,557. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ACME UNIVERSAL JOINT MFG. Co., Kalamazoo, Mich. Filed Oct. 8, 1921. Serial No. 153,827.

ACME "OILTITE"

Particular description of goods.—Universal Joints.
Claims use since June 25, 1918.

152,558. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ADOLPH COORS B. & M. COMPANY, Golden, Colo. Filed Jan. 3, 1921. Serial No. 141,743.

Coors

Particular description of goods.—Malted Milk; Malt Sirup, Being a Food Sirup, and Flaked Skim Milk.
Claims use since about Jan. 1, 1918.

152,559. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE ALMETAL MANUFACTURING COMPANY, Maplewood, Mo. Filed Nov. 15, 1920. Serial No. 139,656.

Everhot Almetal Washer

Particular description of goods.—Laundry Washing Machines.
Claims use since Oct. 26, 1920.

152,560. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) AMERICAN GAS MACHINE COMPANY, INC., Albert Lea, Minn. Filed Jan. 12, 1921. Serial No. 142,119.

KAMPKOOK

Particular description of goods.—Coke and Wood Camp Stoves.
Claims use since Oct. 24, 1917.

295 O. G.—57

152,561. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa.; New York, N. Y., and Worcester, Mass. Filed Sept. 12, 1921. Serial No. 152,823.

ANTHONY

Particular description of goods.—Plain and Galvanized Wire Fencing.
Claims use since August, 1903.

152,562. (CLASS 37. PAPER AND STATIONERY.) AMERICAN WRITING PAPER COMPANY, Holyoke, Mass. Filed Sept. 26, 1921. Serial No. 153,320.

GOVERNMENT RECORD

Particular description of goods.—Writing and Printing Papers and Mailing Envelopes.
Claims use since June 1, 1895.

152,563. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE ANTHONY COMPANY, Long Island City, N. Y. Filed Sept. 1, 1920. Serial No. 136,694.

ANTHONY

Particular description of goods.—Electrical-Motor-Driven Blower and Pump Units, Electrical-Motor-Driven Blower and Pump Units in Combination with Coal, Liquid-Fuel, and Gas Burners, and Electrical Furnaces.
Claims use since May 1, 1910.

152,564. (CLASS 15. OILS AND GREASES.) BENZOLINE MOTOR FUEL Co., Chicago, Ill. Filed Nov. 10, 1921. Serial No. 155,252.



Particular description of goods.—Motor Fuel Oil.
Claims use since Jan. 1, 1920.

152,565. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BESTO SYRUP CO., Des Moines, Iowa. Filed June 15, 1921. Serial No. 149,169.



The lining on the drawing represents yellow and blue.
Particular description of goods.—Malt Sirup for Food Purposes.

Claims use since Apr. 2, 1920.

152,566. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BILOXI FISHERMEN'S PACKING CO., Biloxi, Miss. Filed Aug. 27, 1921. Serial No. 152,233.

COCKTAIL

Particular description of goods.—Canned Oysters and Shrimp.

Claims use since Sept. 3, 1919.

152,567. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BOBWHITE CHEMICAL CORPORATION, New York, N. Y. Filed Nov. 2, 1921. Serial No. 154,917.

Morgan's Sure Death

Particular description of goods.—Insecticides, Bactericides, Disinfectants, and Fungicides for Plants.

Claims use since June, 1920.

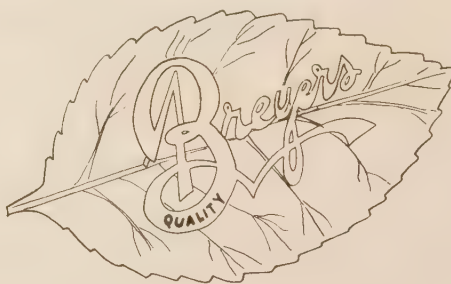
152,568. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BRADLEY & VROOMAN COMPANY, Chicago, Ill. Filed Mar. 14, 1918. Serial No. 109,550.

PYRA KOTE

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints.

Claims use since Feb. 15, 1918.

152,569. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BREYER ICE CREAM COMPANY, Philadelphia, Pa. Filed Aug. 18, 1921. Serial No. 151,906.



Particular description of goods.—Ice Cream.

Claims use since May, 1912.

152,570. (CLASS 37. PAPER AND STATIONERY.) L. L. BROWN PAPER COMPANY, Adams, Mass. Filed May 18, 1921. Serial No. 147,858.

THE WATERMARK OF QUALITY

Particular description of goods.—Writing Papers.

Claims use since 1907.

152,571. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE CENTRAL BRASS MANUFACTURING CO., Cleveland, Ohio. Filed June 25, 1921. Serial No. 149,630.

QUICKCOOL

Particular description of goods.—Drinking Fountains for Human Use.

Claims use since about December, 1919.

152,572. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CENTRAL SCIENTIFIC COMPANY, Chicago, Ill. Filed Mar. 10, 1921. Serial No. 144,560.

HARTL

Particular description of goods.—Optical Disks and Accessories Therefor.

Claims use since on or about Mar. 2, 1904.

152,573. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE CLEAR VISION PUMP COMPANY, Wichita, Kans. Filed Aug. 17, 1920. Serial No. 136,187.

CLEAR VISION

Particular description of goods.—Gasoline Measuring and Dispensing Pumps.

Claims use since Apr. 7, 1918.

152,574. (CLASS 2. RECEPTACLES.) CLIFTON MANUFACTURING Co., Waco, Tex. Filed Oct. 31, 1921. Serial No. 154,786.

STANDARD

Particular description of goods.—Cotton-Picking Sacks.
Claims use since 1910.

152,575. (CLASS 2. RECEPTACLES.) CLIFTON MANUFACTURING Co., Waco, Tex. Filed Oct. 31, 1921. Serial No. 154,787.

CLIFTON

Particular description of goods.—Cotton-Picking Sacks.
Claims use since 1910.

152,576. (CLASS 2. RECEPTACLES.) CLIFTON MANUFACTURING Co., Waco, Tex. Filed Oct. 31, 1921. Serial No. 154,788.

LEADER

Particular description of goods.—Cotton-Picking Sacks.
Claims use since 1910.

152,577. (CLASS 2. RECEPTACLES.) CLIFTON MANUFACTURING Co., Waco, Tex. Filed Oct. 31, 1921. Serial No. 154,789.

EXTRA

Particular description of goods.—Cotton-Picking Sacks.
Claims use since 1910.

152,578. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) CYCLEMOTOR CORPORATION, Rochester, N. Y. Filed May 28, 1920. Serial No. 133,045.



Particular description of goods.—Power-Driven Bicycles.
Claims use since Dec. 7, 1917.

152,579. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOHN L. DAWES, Pittsburgh, Pa. Filed June 4, 1921. Serial No. 148,650.

SEMI- INDESTRUCTABLE

Particular description of goods.—Electrically - Illuminated Signs.
Claims use since Feb. 1, 1919.

152,580. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DU BOIS MACHINE COMPANY, Albany, N. Y. Filed Nov. 5, 1920. Serial No. 139,199.

OILPROOF

Particular description of goods.—Metallic Oil Rings.
Claims use since Oct. 27, 1920.

152,581. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DUFF MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Oct. 7, 1921. Serial No. 153,839.

DUFF

Particular description of goods.—Lifting Jacks and Parts Thereof.
Claims use since about January, 1916.

152,582. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) WILLIAM OSCAR ERBES, Goldendale, Wash. Filed Apr. 12, 1920. Serial No. 131,019.

SIMCOE

Particular description of goods.—Phonographs and Talking Machines.
Claims use since Apr. 1, 1919.

152,583. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) N. ERLANGER, BLUMGART & Co., Inc., New York, N. Y. Filed Jan. 20, 1921. Serial No. 142,479.

EVERFAST

Particular description of goods.—Linen, Cotton, Silk, and Mixed Piece Goods.
Claims use since Jan. 3, 1921.

152,584. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) EXCEL MFG. COMPANY, Milwaukee, Wis. Filed May 21, 1921. Serial No. 148,020.



Particular description of goods.—Billiard and Pocket Tables.

Claims use since March, 1919.

152,585. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) FOLLANSBEE BROTHERS COMPANY, Pittsburgh, Pa. Filed Aug. 13, 1921. Serial No. 151,757.

**OPEN
BAY STATE BLUE
HEARTH**

Particular description of goods.—Ferrous-Metal Plates and Sheets.

Claims use since Jan. 27, 1916.

152,586. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) FOLLANSBEE BROTHERS COMPANY, Pittsburgh, Pa. Filed July 28, 1921. Serial No. 151,037.

"FOR BEST SERVICE"

Particular description of goods.—Ferrous-Metal Plates and Sheets.

Claims use since Mar. 7, 1921.

152,587. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORT DUMMER MILLS, Brattleboro, Vt. Filed Nov. 21, 1921. Serial No. 155,677.

FORT DUMMER MILLS

Particular description of goods.—Cotton Piece Goods.
Claims use since January, 1914.

152,588. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JOHN E. FOWLER, Rosslyn, Va. Filed Mar. 30, 1921. Serial No. 145,441.

CHERRY SMASH

The lining on the drawing represents the color red.
Particular description of goods.—Nonalcoholic, Non-cereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.

Claims use since April, 1909.

152,589. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FRANCO ELECTRIC CORPORATION, Brooklyn, N. Y. Filed July 27, 1920. Serial No. 135,445.

MONO-CELL

Particular description of goods.—Dry Batteries.

Claims use since on or about Feb. 1, 1920.

152,590. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GARNER PRINT WORKS AND BLEACHERY, New York, N. Y. Filed July 29, 1921. Serial No. 151,082.

BELFAST

Particular description of goods.—Cotton Piece Goods.

Claims use since July, 1920.

152,591. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GARNER PRINT WORKS AND BLEACHERY, New York, N. Y. Filed July 29, 1921. Serial No. 151,083.

Briarcliff

Particular description of goods.—Cotton Piece Goods.

Claims use since Oct. 14, 1918.

152,592. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GREENE, TWEED & Co., New York, N. Y. Filed Aug. 22, 1921. Serial No. 152,009.

ROCHESTER

Particular description of goods.—Lubricators.
Claims use since Jan. 1, 1896.

152,593. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HAMLER BOILER & TANK COMPANY, Chicago, Ill. Filed Nov. 19, 1920. Serial No. 139,857.

CORRUGATED

Particular description of goods.—Steam-Jacketed Agitator-Type Driers.

Claims use since Oct. 1, 1919.

152,594. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) F. A. HARDY & COMPANY, Chicago, Ill. Filed Nov. 3, 1921. Serial No. 154,973.

F. A. HARDY & CO.

Particular description of goods.—Eyeglass Frames and Mountings.

Claims use since June 1, 1905.

152,595. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) F. A. HARDY & COMPANY, Chicago, Ill. Filed Nov. 3, 1921. Serial No. 154,978.

HARDY

Particular description of goods.—Ophthalmometers.

*Claims use since Aug. 1, 1896.**

152,596. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) F. A. HARDY & COMPANY, Chicago, Ill. Filed Nov. 3, 1921. Serial No. 154,981.

Peerless

Particular description of goods.—One-Piece Eyeglass Mountings.

Claims use since Mar. 1, 1902.

152,597. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE E. C. HARLEY COMPANY, Dayton, Ohio. Filed Dec. 15, 1920. Serial No. 141,110.

HARLEY

Particular description of goods.—Canned Fruits, Vegetables, Fish, Soup, Milk, Table Sirup, Molasses, Chili Sauce, Catsup, Tea, Spices.

Claims use since Jan. 1, 1915.

152,598. (CLASS 37. PAPER AND STATIONERY.) HAUSER & WEIL, New York, N. Y. Filed June 6, 1921. Serial No. 148,735.

TELEPHONE CALLIST

Particular description of goods.—Blank Telephone Register.

Claims use since Nov. 4, 1915.

152,599. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HAYES MANUFACTURING Co., Paterson, N. J. Filed Oct. 10, 1921. Serial No. 153,933.

"MODERN"

Particular description of goods.—Safety Valves.

Claims use since June 28, 1897.

152,600. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GEORGE H. HERBERT, St. Petersburg, Fla. Filed Nov. 12, 1921. Serial No. 155,309.

Florida Gloss

Particular description of goods.—Liquid Automobile and Furniture Polish.

Claims use since Jan. 6, 1919.

152,601. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD HUDNUT, New York, N. Y. Filed Aug. 12, 1921. Serial No. 151,715.



Particular description of goods.—Cold Cream.

Claims use since Dec. 31, 1902.

- 152,602. (CLASS 45. BEVERAGES, NONALCOHOLIC.)
H. A. JOHNSON CO., Boston, Mass. Filed July 1, 1921.
Serial No. 149,908.

Johnson's

Particular description of goods.—Fruit Juices, Extracts, Flavors, Sirups, Emulsions, Pastes, and Colors Used in the Manufacture of Nonalcoholic, Maltless Beverages.

Claims use since March, 1912.

- 152,603. (CLASS 27. HOROLOGICAL INSTRUMENTS.)
L. H. KELLER & CO. INC., New York, N. Y. Filed Aug. 11, 1921. Serial No. 151,676.

JURGENSEN

Particular description of goods.—Watch Springs.

Claims use since Jan. 1, 1904.

- 152,604. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED J. KRANK, St. Paul, Minn. Filed Sept. 2, 1921. Serial No. 152,507.

LEMON
CLEANSING CREAM

Particular description of goods.—Cleansing Cream.
Claims use since May, 1912.

- 152,605. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) KYOTO MANUFACTURING & TRADING CO., New York, N. Y. Filed Aug. 8, 1921. Serial No. 151,548.

ROTATING BRUSH

Particular description of goods.—Toilet Brushes—Namely, Tooth, Nail, Hand, Hair, Cloth, and Hat Brushes.
Claims use since 1916.

- 152,606. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) LACKAWANNA FOUNDRY COMPANY, Dickson, Pa. Filed May 20, 1921. Serial No. 147,964.

AMERICAN

Particular description of goods.—Gas and Oil Stoves and Ranges.
Claims use since Oct. 15, 1920.

- 152,607. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) LANDERS, FRARY & CLARK, New Britain, Conn. Filed Mar. 18, 1921. Serial No. 144,924.

COLUMBIA

Particular description of goods.—Weighing Scales.
Claims use since Aug. 15, 1901.

- 152,608. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) LAVA CRUCIBLE COMPANY OF PITTSBURGH, Pittsburgh, Pa. Filed July 15, 1920. Serial No. 135,006.



Particular description of goods.—Crucibles.
Claims use since about March, 1920.

- 152,609. (CLASS 12. CONSTRUCTION MATERIALS.) LEHIGH PORTLAND CEMENT COMPANY, Allentown, Pa. Filed July 16, 1920. Serial No. 135,049.



Particular description of goods.—Portland Cement.
Claims use since Jan. 15, 1915.

- 152,610. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE LOBL MANUFACTURING COMPANY, Middleboro, Mass. Filed May 16, 1921. Serial No. 147,788.

THE WIRELESS

Particular description of goods.—Ice Bags.
Claims use since February, 1918.

152,611. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) RALPH M. LOVEJOY, Boston, Mass. Filed Sept. 19, 1921. Serial No. 153,092.

LOVEJOY

Particular description of goods.—Vehicle Parts and Accessories—Namely, Shock Absorbers, Springs, Spring Shackles, and Spring Clips.

Claims use since January, 1917.

152,612. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE LOWE BROTHERS COMPANY, Dayton, Ohio. Filed Oct. 17, 1921. Serial No. 154,220.

SEALCOTE

Particular description of goods.—Wall Sizing.

Claims use since Aug. 23, 1910.

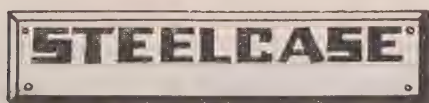
152,613. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROYAL H. McLELLAN, Norwalk, Conn. Filed Nov. 2, 1921. Serial No. 154,926.

EGYPTIAN

Particular description of goods.—Dental Cream.

Claims use since 1899.

152,614. (CLASS 25. LOCKS AND SAFES.) METAL OFFICE FURNITURE CO., Grand Rapids, Mich. Filed Mar. 22, 1921. Serial No. 145,077.



Particular description of goods.—Safes.

Claims use since Mar. 1, 1920.

152,615. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE MILLER RUBBER COMPANY, Akron, Ohio. Filed Dec. 18, 1920. Serial No. 141,272.

Miller

Particular description of goods.—Medicine Droppers, Sanitary Aprons, Diapers, Rubber Baby Pants, Nursery Sheeting, Crib Sheets, Nipples, Nursing Bottles, Surgeons' Gloves, Finger Cots, Rubber Tubing, Rectal Tubes, Colon Tubes, Stomach Tubes, Catheters, Syringe Pipes and Fittings, Hard-Rubber Screw Connections and Hard-Rubber Slip Connections for Apparatus Designed for Use in the Art of Surgery, Ice Caps, Ear and Ulcer Syringes, Vaginal Douches, Breast Pumps, Water Bottles, Fountain Syringes, Combination Syringes, Drainage-Gauze Covers, Dilator Covers, Face Bottles, Nursery Kits, Infant Syringes, Invalid Cushions.

Claims use since Oct. 6, 1907.

152,616. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NATHAN AND COHEN CO., INC., New York, N. Y. Filed June 22, 1921. Serial No. 149,520.

SOIE MAILLETTE

Particular description of goods.—Silk and Cotton Warp Mixture Piece Goods.

Claims use since Jan. 2, 1920.

152,617. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed May 20, 1921. Serial No. 147,978.

HOT SPARK

Particular description of goods.—Electric Batteries.

Claims use since about July, 1912.

152,618. (CLASS 37. PAPER AND STATIONERY.) NEW JERSEY PAPER TUBE COMPANY, Englewood, N. J. Filed Nov. 10, 1921. Serial No. 155,271.



Particular description of goods.—Soda Straws.

Claims use since June 1, 1910.

152,619. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE J. M. NEY COMPANY, Hartford, Conn. Filed Nov. 25, 1921. Serial No. 155,903.

ELASTIC

Particular description of goods.—Gold Alloys for Dental Purposes.

Claims use since May, 1915.

152,620. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) E. E. PECK CO. INC., Medina, N. Y. Filed Aug. 9, 1921. Serial No. 151,593.



Particular description of goods.—Soft-Metal Rivets.
Claims use since Jan. 1, 1919.

152,621. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PURE FOOD SPECIALTY CORPORATION, New York, N. Y. Filed Dec. 14, 1920. Serial No. 141,077.

HY-TEST

Particular description of goods.—Bouillon Cubes.
Claims use since Nov. 5, 1920.

152,622. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHES, PIVER & Co., Hillside Township, Union County, P. O. Elizabeth, N. J., and New York, N. Y. Filed Aug. 13, 1921. Serial No. 151,770.

SANDERS' DUST

Particular description of goods.—Insecticides and Fungicides.
Claims use since June 1, 1920.

152,623. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. R. ROACH & Co., Hart, Mich. Filed Sept. 9, 1918. Serial No. 113,084.

GILMAN

Particular description of goods.—Canned Vegetables.
Claims use since 1894.

152,624. (CLASS 2. RECEPTACLES.) SAFFERT-GUGISBERG CEMENT CONSTRUCTION CO., New Ulm, Minn. Filed Dec. 28, 1920. Serial No. 141,608.

RIB STONE SILO

Particular description of goods.—Silos.
Claims use since Oct. 1, 1918.

152,625. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) THE SANITARY SLICKER COMPANY, New York, N. Y. Filed Oct. 30, 1920. Serial No. 139,011.

The Sanitary Slicker

Particular description of goods.—Hairbrushes.
Claims use since Jan. 1, 1917.

152,626. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE SCHMIT TRUNK COMPANY, Oshkosh, Wis. Filed Sept. 22, 1921. Serial No. 153,228.

TRAVELWELL

Particular description of goods.—Trunks.
Claims use since July 8, 1916.

152,627. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALFRED SCHRATTER, New York, N. Y. Filed Dec. 15, 1920. Serial No. 141,133.

TOLEDO

Particular description of goods.—Canned Peppers.
Claims use since Feb. 1, 1918.

152,628. (CLASS 25. LOCKS AND SAFES.) SECURITY MANUFACTURING COMPANY, Los Angeles, Calif. Filed Oct. 9, 1919. Serial No. 123,589.

SECURITY AUTO THEFT-SIGNAL

Particular description of goods.—Automobile Locks for Securing About a Wheel.

Claims use since Aug. 30, 1917.

152,629. (CLASS 25. LOCKS AND SAFES.) SEGAL LOCK & HARDWARE CO. INC., New York, N. Y. Filed May 26, 1921. Serial No. 148,305.

SEGAL

Particular description of goods.—Keys, Locks, Padlocks, and Door Bolts.

Claims use since January, 1913.

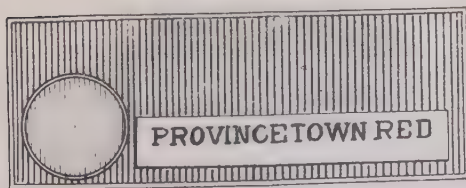
152,630. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) C. A. SHALER COMPANY, Waupun, Wis. Filed Aug. 4, 1919. Serial No. 121,263.

5 Minute

Particular description of goods.—Portable Rubber-Tire Vulcanizers.

Claims use since Jan. 2, 1917.

152,631. (CLASS 11. INKS AND INKING MATERIALS.) SIGMUND ULLMAN COMPANY, New York, N. Y. Filed Mar. 2, 1921. Serial No. 144,263.



Particular description of goods.—Printing Inks.
Claims use since Nov. 23, 1920.

152,632. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) C. C. SMOOT & SONS CO., Alexandria, Va. Filed June 28, 1921. Serial No. 149,784.



Particular description of goods.—Leather.
Claims use since Dec. 22, 1920.

152,633. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE STOLL MANUFACTURING CO., Denver, Colo. Filed July 25, 1921. Serial No. 150,934.



Particular description of goods.—Tents and Awnings.
Claims use since July 1, 1918.

152,634. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) WALTER G. TRUETTNER, Milwaukee, Wis. Filed Apr. 26, 1920. Serial No. 131,676.

THE BUNGALOW MAN

Particular description of goods.—Dwelling Houses Which Are Built by Applicant in Quantity and Sold to the Trade.

Claims use since May 2, 1918.

152,635. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) VAN ANTWERP'S DRUG CORPORATION Inc., Mobile, Ala. Filed June 7, 1921. Serial No. 148,825.



Particular description of goods.—The Following Field and Garden Seeds—Namely, Alfalfa, Beans, Beets, Cucumbers, Corn, Pop Corn, Cauliflower, Cabbage, Clover, Carrot, Celery, Grass, Mustard, Okra, Onion, Peas, Pepper, Pumpkin, Rye, Radish, Spinach, Squash, Sunflower, Tomato, Watermelon, and Wheat.

Claims use since February, 1909.

152,636. (CLASS 37. PAPER AND STATIONERY.)
WEST VIRGINIA PULP & PAPER CO., New York, N. Y.
Filed July 12, 1921. Serial No. 150,296.



Particular description of goods.—Printing and Writing Papers.

Claims use since July 1, 1917.

152,637. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.)
WHITE ROCK MINERAL SPRINGS COMPANY, Waukesha,
Wis. Filed Jan. 12, 1922. Serial No. 157,863.



The trade-mark consists of a label of undulating contour with a straight base, the whole having a somewhat circular form, having a gray-green border. On the upper portion of the label on a blue-green field are the words "Still Rock" printed in white letters shaded in gray green. Below this is the representation of a spring house or kiosk with a roof of red and yellow; sides of yellow and blue green; columns, window casing, and entablature of white and interior of dark blue. On the entablature are the words "Still Rock" printed in blue-green ink. The lower background of the kiosk is of blue green dotted with gray green, the side and foreground being of dark blue dotted with gray green and of yellow and blue green. To the right in a gray-green oval panel and printed in dark-blue ink are the words "May Be Used in Any Quantity Blends with Wines and Liquors" with a small ornamentation. To the left in a gray-green oval panel and printed in dark blue are the words "A Superior Pure Water and an Aid to Health" with a small ornamentation. Below all the above-described matter on a dark-blue field are the words printed in red with black projections "A Fine Natural Water Mildly Alkaline and Mildly Diuretic" and the words printed in gray-green ink "Bottled Only by the White Rock Mineral Springs Company at Waukesha, Wisconsin, U. S. A."

Particular description of goods.—Natural Spring Water.
Claims use since June 1, 1916.

152,638. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.)
WHITE ROCK MINERAL SPRINGS COMPANY, Waukesha,
Wis. Filed Jan. 12, 1922. Serial No. 157,864.

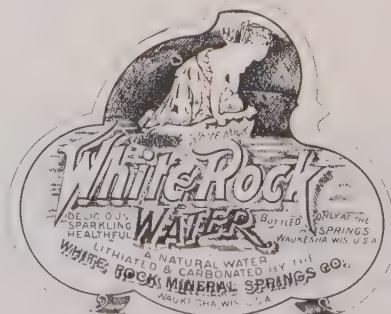


The trade-mark consists of a label of square shape with the corners cut off and having a white border. Within this border the upper left-hand and upper right-hand corners are of dark blue with vertical striations of light blue. In such upper left-hand corner and printed in light blue are the words "Made from Purest Jamaica Ginger, Fruit Extracts" and an ornamental scroll. In such upper right-hand corner and printed in light blue are the words "Selected Spices Including Capsicum and Cane Sugar." In the central portion of the label there stands forth from a background of dark blue above and of yellow below a white rock on the edge of a pool, at the left-hand side of which rock aquatic plants are seen and on the face of which rock are the words "White Rock" in blue letters. Upon said rock there appears the figure of winged Psyche, a mythological character, kneeling and leaning forward, her body resting on both hands and looking into the water below. Below this and printed in red ink with white projections are the words "White Rock." Surrounding the dark-blue and yellow background, the figure of winged Psyche, and the words "White Rock," on the right, left, and above is an undulating band of light blue of scroll-like form and of somewhat triangular shape, the interior edge of said light-blue band being in greater part bounded by an interior band of similar form printed in yellow. Below the said portion of the label above described and on a dark blue field appear the words "Ginger Ale" printed in yellow. Below this on a light-blue field surrounded by a dark-blue edging to the right, left, and below appear the words "Bottled by White Rock Mineral Springs Co. Waukesha, Wis." printed in dark blue.

Particular description of goods.—Ginger Ale.

Claims use since Oct. 16, 1893.

152,639. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.)
WHITE ROCK MINERAL SPRINGS COMPANY, Waukesha,
Wis. Filed Jan. 12, 1922. Serial No. 157,865.



The trade-mark consists of a label of undulating contour and scroll-like in general shape, the base being

widened, giving the whole a somewhat triangular form, on whose ground, yellow and black, there stands forth from a dark horizon a white rock rising from the surface of a tranquil pool in which some aquatic plants are seen, and on the face of the rock are the words "White Rock" in black letters. Upon said rock there appears the figure of winged Psyche, a mythological character, kneeling and leaning forward, her body resting on both hands and looking into the water below. Below this and printed in red ink with white projections are the words "White Rock," below which and printed in black ink with white projections is the word "Water." To the left of this and printed in black are the words "Delicious," "Sparkling," and "Healthful," and to the right of this and printed in black are the words "Bottled Only at the Springs, Waukesha, Wis. U. S. A." Below the various letterings above described and in the lower part of the label are the words printed in black "A Natural Water Lithiated & Carbonated by the White Rock Mineral Springs Co. Waukesha, Wis. U. S. A."

Particular description of goods.—Mineral Water and Beverages Made of Water.

Claims use since Oct. 16, 1893.

152,640. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.)
WHITE ROCK MINERAL SPRINGS COMPANY, Waukesha, Wis. Filed Jan. 12, 1922. Serial No. 157,866.



The trade-mark consists of a label of square shape with the corners cut off and having a white border. Within this border the upper left-hand and upper right-hand corners are of dark blue with vertical striations of light blue. In such upper left-hand corner and printed in light blue are the words "Made from the Highest Grade of Materials" and an ornamental scroll. In such upper right-hand corner and printed in light blue are the words "Sweetened with Pure Sugar" and an ornamental scroll. In the central portion of the label there stands forth from a background of dark blue above and of yellow below a white rock on the edge of a pool, at the left-hand side of which rock aquatic plants are seen and on the face of which rock are the words "White Rock" in blue letters. Upon said rock there appears the figure of winged Psyche, a mythological character, kneeling and leaning forward, her body resting on both hands and looking into the water below. Below this and printed in red ink with white projections are the words "White Rock." Surrounding the dark-blue and yellow background, the figure of winged Psyche, and the words "White Rock," on the right, left, and above is an undulating band of light blue of scroll-like form and of somewhat triangular shape, the interior edge of said light-blue band being in greater part bounded by an interior band of similar form printed in yellow. Below the said portion of the label above described and on a dark-blue field appear the words "Sarsaparilla" printed in yellow and the words "Colored and Flavored" printed in light blue. Below this on a light-blue field sur-

rounded by a dark-blue edging to the right, left, and below appear the words "Bottled by White Rock Mineral Springs Co. Waukesha, Wis." printed in dark blue.

Particular description of goods.—Sarsaparilla.

Claims use since Oct. 16, 1893.

152,641. (CLASS 37. PAPER AND STATIONERY.)
WHITING PAPER COMPANY, Holyoke, Mass. Filed Jan. 11, 1922. Serial No. 157,783.

CRUSHED ANTIQUÉ

Particular description of goods.—Writing Paper and Mailing Envelopes.

Claims use since January, 1912.

152,642. (CLASS 37. PAPER AND STATIONERY.)
WHITING PAPER COMPANY, Holyoke, Mass. Filed Jan. 11, 1922. Serial No. 157,784.

OAK GRAIN

Particular description of goods.—Writing Paper and Mailing Envelopes.

Claims use since February, 1919.

152,643. (CLASS 37. PAPER AND STATIONERY.)
WHITING PAPER COMPANY, Holyoke, Mass. Filed Jan. 11, 1922. Serial No. 157,786.

STRONG INDEX

Particular description of goods.—Index and Bristol Boards.

Claims use since 1898.

152,644. (CLASS 15. OILS AND GREASES.) THE
WHITMORE MANUFACTURING COMPANY, Cleveland, Ohio.
Filed Dec. 29, 1921. Serial No. 157,289.

WHITMORE'S

Particular description of goods.—Lubricants.

Claims use since Oct. 1, 1909.

152,645. (CLASS 23. CUTLERY, MACHINERY, AND
TOOLS, AND PARTS THEREOF.) WILLIAMS BROS.
AIRCRAFT CORPORATION, San Francisco, Calif. Filed Aug.
1, 1921. Serial No. 151,243.

Williams

Particular description of goods.—Motor-Vehicle Accelerators.

Claims use since Feb. 26, 1919.

152,646. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BERNARD H. WOELDIKE, St. Louis, Mo. Filed Dec. 10, 1920. Serial No. 140,907.

GOLD FIBRE

Particular description of goods.—Moving - Picture Screens.

Claims use since February, 1915.

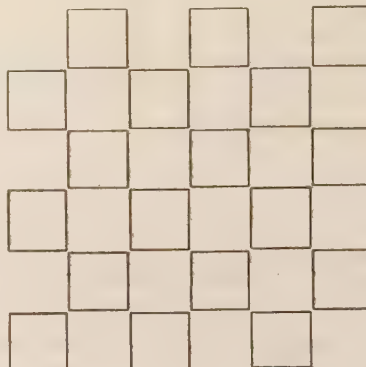
152,647. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WOLVERINE BRASS WORKS, Grand Rapids, Mich. Filed Oct. 24, 1921. Serial No. 154,541.

"SURE SEAT"

Particular description of goods.—Tank Balls.

Claims use since August, 1916.

152,648. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WOOLSON SPICE COMPANY, Toledo, Ohio. Filed June 29, 1921. Serial No. 149,801½.



Particular description of goods.—Coffee, Tea, and Spices.

Claims use since Feb. 21, 1910.

TRADE-MARK REGISTRATIONS RENEWED.

18,552. INSULATED CONDUCTING WIRE. Registered October 28, 1890. SIMPLEX ELECTRICAL COMPANY, Boston, Mass. Renewed October 28, 1920.

19,887. CIGARS. Registered July 14, 1891. JOSÉ GENEER, Habana, Cuba. Renewed July 14, 1921.

20,033. SMALL SUGARED STICKS OF CANDY. Registered August 18, 1891. CHASE & COMPANY CORPORATION, Boston, Mass.; New England Confectionery Company, a Corporation of Massachusetts, assignee. Renewed August 18, 1921.

20,226. LUBRICATING OIL. Registered October 13, 1891. THE ACME GREASE & OIL MANUFACTURING CO., Cleveland, Ohio. Renewed October 13, 1921.

20,250. MASONIC AND OTHER SOCIETY EMBLEMS. Registered October 20, 1891. SINNOCK & SHERRILL, New York, N. Y. Renewed October 20, 1921.

20,306. BEER. Registered November 3, 1891. THE AMERICAN BREWING COMPANY, St. Louis, Mo. Renewed November 3, 1921.

20,339. INSULATED CONDUCTING WIRES. Registered November 10, 1891. PHILLIPS INSULATED WIRE CO., Pawtucket, R. I.; Phillips Wire Co., assignee. Renewed November 10, 1921.

20,450. HEADACHE POWDERS, CORN CURE, COUGH DROPS, TOOTH CORDIAL, PILLS, AND INHALERS. Registered December 8, 1891. ADDISON L. BECK, Sharon, Pa. Renewed December 8, 1921.

20,529. COTTON THREAD. Registered December 29, 1891. CLARK THREAD COMPANY, Newark, N. J. Renewed December 29, 1921.

20,530. COTTON THREAD. Registered December 29, 1891. CLARK THREAD COMPANY, Newark, N. J. Renewed December 29, 1921.

20,543. SEWING COTTON, LINEN, AND HEMP YARNS AND THREAD, JUTE YARNS, SILK SPUN, THROWN, OR SEWING, AND YARNS OF WOOL, WORSTED, OR HAIR. Registered January 5, 1892. AKTIENGESSELLSCHAFT FÜR TEXTIL-INDUSTRIE, VORMALS DOLLFUS-MIEG & CIE., Mulhausen, Germany, and Belfort and Paris, France, a Corporation organized under the laws of Germany; Dollfus-Mieg & Cie., Société Anonyme, successor. Renewed January 5, 1922.

20,544. SEWING COTTON, LINEN AND HEMP YARNS AND THREAD, JUTE YARNS, SILK SPUN, THROWN, OR SEWING, AND YARNS OF WOOL, WORSTED, OR HAIR. Registered January 5, 1892. AKTIENGESSELLSCHAFT FÜR TEXTIL-INDUSTRIE, VORMALS DOLLFUS-MIEG & CIE., Mulhausen, Germany, and Belfort and Paris, France, a Corporation organized under the laws of Germany. Dollfus-Mieg & Cie., Société Anonyme, successor. Renewed January 5, 1922.

20,632. UMBRELLAS, UMBRELLA RIBS, STRETCHERS, AND FRAMES OF METAL. Registered January 26, 1892. SAMUEL FOX & COMPANY, LIMITED, Stockbridge Works, near Sheffield, England. Renewed January 26, 1922.

20,833. LEATHER BELTING, BELT, LACE, PICKER, HAME-STRING, AND LEGGING LEATHER, PICKER STRAPS, HAME STRINGS, AND CUT LACINGS. Registered February 10, 1892. PAGE BELTING COMPANY, Concord, N. H. Renewed February 10, 1922.

21,093. PLAYING CARDS. Registered May 10, 1892. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y. Renewed May 10, 1922.

21,469. JEWELRY. Registered July 19, 1892. UNITED SOCIETY OF CHRISTIAN ENDEAVOR, Boston, Mass. Renewed July 19, 1922.

LABELS

REGISTERED FEBRUARY 28, 1922

- 24,129.—*Title:* "RALPH DUGHIE." (For Cigars.) JOSE AGUILO, New York, N. Y. Filed January 14, 1922.
- 24,130.—*Title:* "BASSICK CASTERS." (For Packages Containing Casters.) THE BASSICK COMPANY, Bridgeport, Conn.; Newark, N. J., and Meriden, Conn. Filed December 31, 1921.
- 24,131.—*Title:* "BOUILLONIZED PEANUTS." (For Containers of Bouillonized Peanuts.) BOUILLONIZED PEANUT COMPANY, Philadelphia, Pa. Filed February 13, 1922.
- 24,132.—*Title:* "CO KIS—KING OF ORANGE LAND." (For Orange Peel.) CALIFORNIA ORANGE KIS CORPORATION, Los Angeles, Calif. Filed January 17, 1922.
- 24,133.—*Title:* "CAMEL." (For Beverages.) CAMEL BEVERAGE Co., Milwaukee, Wis. Filed January 19, 1922.
- 24,134.—*Title:* "BIG PLANTED STOCK OYSTERS." (For Packages Containing Canned Oysters.) J. W. CHEW, Baltimore, Md. Filed January 27, 1922.
- 24,135.—*Title:* "BABY PANTS." (For Baby Pants.) CLIMAX SPECIALTY Co., St. Louis, Mo. Filed December 7, 1921.
- 24,136.—*Title:* "FRESH HOME MADE CANDY." (For Candies.) COLLINS CANDY Co., Washington, D. C. Filed January 26, 1922.
- 24,137.—*Title:* "SONNIE BOY." (For Grapes.) B. CRIBARI & SONS, San Jose, Calif. Filed December 7, 1921.
- 24,138.—*Title:* "IMERSO ELECTRIC WATER HEATER." (For Immersion Electric Water Heater.) ELECTRO-HEATER Co., Washington, D. C. Filed January 19, 1922.
- 24,139.—*Title:* "NEPTUNE." (For Hosiery.) FREEDMAN & Co., Harrisburg, Pa. Filed December 7, 1921.
- 24,140.—*Title:* "EUDORA." (For a Container for Human-Hair Nets.) FULLER-MORRISON COMPANY, Chicago, Ill. Filed December 16, 1921.
- 24,141.—*Title:* "BREEZTEX." (For Athletic Underwear.) HANSLEY MILLS, New York, N. Y. Filed January 25, 1922.
- 24,142.—*Title:* "ICE CREAM MAKERS' FRIEND." (For Bottles Holding Ice Cream Makers' Friend, a Flavoring Compound.) B. HELLER & Co., Chicago, Ill. Filed February 3, 1922.
- 24,143.—*Title:* "BULL-MEAT-BRAND FLOUR." (For Receptacles Containing Bull-Meat-Brand Flour, a Product for Use in All Kinds of Sausage.) B. HELLER & Co., Chicago, Ill. Filed February 3, 1922.
- 24,144.—*Title:* "HELLER'S EMULSION." (For Glass Jars Holding Heller's Flavoring Emulsion, a Concentrated Emulsion for Flavoring Purposes.) B. HELLER & Co., Chicago, Ill. Filed February 3, 1922.
- 24,145.—*Title:* "Ice CREAM MAKERS' FRIEND DRY FORM." (For Receptacles Containing Ice Cream Makers' Friend Dry Form, a Flavoring Compound in Dry Form.) B. HELLER & Co., Chicago, Ill. Filed February 3, 1922.
- 24,146.—*Title:* "DEPENDABLE BRAND." (For Cured Meats.) HOME PACKING & ICE Co., Terre Haute, Ind. Filed November 22, 1921.
- 24,147.—*Title:* "JEFFY-ANDY." (For Toe-Protecting Devices for Shoes.) JEFFY-ANDY TOE PROTECTOR COMPANY, Allentown, Pa. Filed October 18, 1921.
- 24,148.—*Title:* "DON NIETO." (For Cigars.) NATHAN D. KAPLAN, Chicago, Ill. Filed January 25, 1922.
- 24,149.—*Title:* "ESKIMO POP." (For Bottles Containing a Nonalcoholic Beverage.) MAX LEIBER & COMPANY, Donora, Pa. Filed January 31, 1922.
- 24,150.—*Title:* "MY-T-KLEAN METAL CLEANER." (For Metal Polish.) ARTHUR M. MANN, New York, N. Y. Filed November 18, 1921.
- 24,151.—*Title:* "BEECH-NUT." (For Cigars.) PETER McGUIGAN & SONS, Red Lion, Pa. Filed January 18, 1922.
- 24,152.—*Title:* "MILD-O." (For Stogies and Cigars.) MARIETTA CIGAR COMPANY, Marietta, Ohio. Filed November 7, 1921.
- 24,153.—*Title:* "NATIONAL IVORYWHITE." (For Tooth Paste.) NATIONAL DRUG STORES CORP., New York, N. Y. Filed January 17, 1922.
- 24,154.—*Title:* "PERFECTA HUMAN HAIR NETS." (For Hair Nets.) NEW YORK MERCHANDISE COMPANY, New York, N. Y. Filed January 21, 1922.
- 24,155.—*Title:* "COSMOPOLITAN HAIR NET." (For Hair Nets.) NEW YORK MERCHANDISE COMPANY, New York, N. Y. Filed January 21, 1922.
- 24,156.—*Title:* "DOROTHY HAIR NET." (For Hair Nets.) NEW YORK MERCHANDISE COMPANY, New York, N. Y. Filed January 21, 1922.
- 24,157.—*Title:* "VICTRA." (For Hair Nets.) NORTH AMERICAN IMPORT Co., Chicago, Ill. Filed January 30, 1922.
- 24,158.—*Title:* "SYRUP OF PRUNES." (For a Tonic Laxative Proprietary Medicine.) OREGON SYRUP OF PRUNES Co., Portland, Oreg. Filed April 4, 1921.
- 24,159.—*Title:* "VICTORY COAL SAVE." (For a Composition for Treating Fuel Coal.) WILLIAM A. ROBISON, Saratoga Springs, N. Y. Filed January 26, 1922.
- 24,160.—*Title:* "U R C A ROOFING MATERIAL FORMERLY A-R-A AND NATIONAL ASSOCIATION OF ROOFING CONTRACTORS." (For Roofing Material.) UNITED ROOFING CONTRACTORS ASSOCIATION, Chicago, Ill. Filed December 1, 1921.
- 24,161.—*Title:* "VITAFOOD." (For Tonic Foods.) VITAMIN FOOD Co. Inc., New York, N. Y. Filed January 23, 1922.
- 24,162.—*Title:* "WARD'S HOMESPUN BREAD." (For Bread.) WARD BAKING COMPANY, New York, N. Y. Filed January 23, 1922.
- 24,163.—*Title:* "AUTOTRIM." (For Automobiles and Furniture Upholstery.) WOODWARD & COCHEY, INC., Lynn, Mass. Filed September 24, 1921.

PRINTS

REGISTERED FEBRUARY 28, 1922.

- 5,992.—*Title*: "RIBBONS." (For Advertising Purposes for Ribbons.) H. ADLER & BRO., New York, N. Y. Filed August 13, 1921.
- 5,993.—*Title*: "BEECH-NUT MACARONI AND SPAGHETTI." (For Advertising Purposes for Beech-Nut Brand Macaroni.) BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Filed January 23, 1922.
- 5,994.—*Title*: "BEECH-NUT PORK AND BEANS—AS FINE A PRODUCT AS BEECH-NUT BACON." (For Advertising Purposes for Beech-Nut Brand Pork and Beans.) BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Filed January 23, 1922.
- 5,995.—*Title*: "BEECH-NUT SLICED BACON." (For Advertising Purposes for Beech-Nut Brand Bacon.) BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Filed January 23, 1922.
- 5,996.—*Title*: "THAT REAL OLD-FASHIONED FLAVOR!" (For Advertising Purposes for Beech-Nut Brand Pork and Beans.) BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Filed January 23, 1922.
- 5,997.—*Title*: "SEE THE SHADOW IN THE EXPOSED PROCESS." (For Advertising Purposes for the 100-Candle-Power Cameron's Right-Angle Dentalamp.) CAMERON'S SURGICAL SPECIALTY COMPANY, Chicago, Ill. Filed January 25, 1922.
- 5,998.—*Title*: "SERVICE." (For Advertising Purposes for Automobile Accessories.) RUSSELL H. CARLEY, Washington, D. C. Filed December 10, 1920.
- 5,999.—*Title*: "CHERO-COLA THERE'S NONE SO GOOD." (For Advertising Purposes for a Soft Drink.) CHERO COLA COMPANY, Columbus, Ga. Filed May 16, 1921.
- 6,000.—*Title*: "CLIMAX BABY." (For Advertising Purposes for Children's and Ladies' Sanitary Goods.) CLIMAX SPECIALTY COMPANY, St. Louis, Mo. Filed October 29, 1921.
- 6,001.—*Title*: "HIS BODYGUARD." (For Advertising Purposes for Wheat Breakfast Food.) CREAM OF WHEAT CO., Minneapolis, Minn. Filed January 30, 1922.
- 6,002.—*Title*: "GAUDIN'S RELIEF PENCIL." (For Advertising Purposes for Relief Pencils Used in Forming Raised Designs, Letters, Etc.) FRANK R. GAUDIN, Los Angeles, Calif. Filed December 13, 1921.

- 6,003.—*Title*: "G. M. C. METALLIC GREASE." (For Advertising Purposes for Lubricating Grease.) GEARO MFG. CO., Quincy, Ill. Filed January 27, 1922.
- 6,004.—*Title*: "MASTIN SAYS." (For Advertising Purposes for Tablets for Use in Cases of Anæmia, Nervous Deficiency, Malnutrition, Disordered Metabolism, Physical Breakdown, Emaciation, Pellagra, Skin Troubles, and Lack of Energy and Endurance.) MASTIN & CO., New York, N. Y. Filed January 24, 1922.
- 6,005.—*Title*: "CHOC-O-MINT DO-NUT." (For Advertising Purposes for a Candy Specialty.) MILWAUKEE PAPER BOX COMPANY, Milwaukee, Wis. Filed January 16, 1922.
- 6,006.—*Title*: "NASCO." (For Advertising Purposes for After-Dinner Mints.) MILWAUKEE PAPER BOX COMPANY, Milwaukee, Wis. Filed January 17, 1922.
- 6,007.—*Title*: "OLD FASHION CHOCOLATE CREAMS." (For Advertising Purposes for Chocolate Creams.) MILWAUKEE PAPER BOX COMPANY, Milwaukee, Wis. Filed January 27, 1922.
- 6,008.—*Title*: "A BEAUTY SECRET 3,000 YEARS OLD." (For Advertising Purposes for Palmolive Soap.) THE PALMOLIVE COMPANY, Milwaukee, Wis. Filed January 31, 1922.
- 6,009.—*Title*: "C. W. G. (CORRUGATED WIRE GLASS)." (For Advertising Purposes for Corrugated Wire Glass.) PENNSYLVANIA WIRE GLASS COMPANY, Philadelphia, Pa. Filed January 11, 1922.
- 6,010.—*Title*: "THE PHILLIPS CUFF SHIRT." (For Advertising Purposes for Shirts Provided with a Special Kind of Cuff.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed January 18, 1922.
- 6,011.—*Title*: "VAN HEUSEN THE WORLD'S SMARTEST COLLAR." (For Advertising Purposes for Collars.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed February 2, 1922.
- 6,012.—*Title*: "BETTER WHITE DUCK CLOTHING." (For Advertising Purposes for White Duck Clothing.) THE JAMES E. RICHARDS COMPANY, Dayton, Ohio. Filed January 27, 1922.
- 6,013.—*Title*: "EVERSHARP RIBBON GUARD." (For Advertising Purposes for Ribbon Guards.) THE WAHL COMPANY, Chicago, Ill. Filed February 2, 1922.

DECISIONS

OF THE

COMMISSIONER OF PATENTS

AND OF

UNITED STATES COURTS IN PATENT CASES.

DECISIONS OF THE U. S. COURTS.

Court of Appeals of the District of Columbia.

IN RE INDERRIEDEN CANNING CO.

No. 1445. Decided January 3, 1922.

TRADE-MARKS—SIMILARITY OF GOODS.

Canned peas and canned corn *Held* to be goods of the same descriptive properties.

Mr. A. E. Wallace for Inderrieden Canning Co.

Mr. T. A. Hostetler for the Commissioner of Patents.

SMYTH, C. J.:

The application of Inderrieden Canning Co. for registration of the words "Peter-Pan," together with a representation of that character as a trade-mark for canned peas and canned corn, was rejected in view of the prior registration for Davis & Company of the same mark for canned pineapple, and the canning company appeals. The ground of the rejection was that the goods to which these marks are applied are of the same descriptive properties.

It is not easy to define with exactness the phrase "same descriptive properties" as used in the statute, (33 Stat., 725.) If we consider pineapple, corn, and peas in their original state, we can not say with correctness that the qualities by which they may be described are the same. We are not, however, dealing with them in that state, but as canned articles. As such they have been passed through a process which gives them certain properties in common. After this has been done it is usual and proper to refer to them by the same descriptive term, namely, canned goods. Where a trade-mark is applied to them they are known to the public as canned goods of the variety indicated by the mark. For years it has been the practice in the Patent Office to treat canned fruits and canned vegetables as goods of the same descriptive qualities. And it has been ruled by this court that coffee has the same descriptive qualities as tea, cocoa as coffee, pancake flour as corn meal. (*Macy & Co. v. New York Grocery Co.*, 50 App. D. C., 105; 267 Fed., 749; *Baker & Co., Ltd. v. Harrison*, 32 App. D. C., 272; *Williams v. Kern & Sons*, 47 App. D. C., 441; 254 O. G., 866.)

Of course, as counsel for the Commissioner says, it is not conceivable that the mark would lead

anyone to make the mistake of purchasing canned pineapple when he intended to purchase canned corn or canned peas, but if he liked pineapple of the "Peter-Pan" brand and desired to purchase canned peas or canned corn, he would be likely to select the peas or corn offered in containers bearing the "Peter-Pan" mark, because he would assume that it was put out by the concern which canned the pineapple. Undoubtedly, if he made a careful examination of all that appeared on the containers he might not be confused, but a purchaser is not required to do this. (*Patton Paint Company v. Orr Zinc White, Ltd.*, 48 App. D. C., 221; 258 O. G., 814.) He may rely on his first impression, and if he does so the confusion which the statute is designed to guard against would be likely to result.

The goods of the owner of the registered trade-mark are put up in Hawaii, while those of the applicant are canned in Chicago. But this is immaterial. It has no tendency to establish in a commercial age like the present, which has practically annihilated distance, that the goods of both would not come into the same market and be handled by the same jobber or retail grocer. It might be of importance in an infringement suit (*United Drug Company v. Rectanus Company*, 248 U. S., 90; 257 O. G., 1082,) but not in a proceeding of this character.

We think the goods possess the same descriptive properties, and that the mark if registered would be likely to cause confusion in the minds of prospective purchasers. We therefore affirm the decision of the Commissioner.

Affirmed.

Mr. Justice Hitz, of the Supreme Court of the District of Columbia, sat in the place of Mr. Justice Van Orsdel in the hearing and determination of this appeal.

Court of Appeals of the District of Columbia.

BIJUR v. KENNINGTON.

No. 1452. Decided January 3, 1922.

1. PATENTS—INTERFERENCE—EVIDENCE.

The testimony in an interference proceeding in which all of the tribunals of the Patent Office had awarded priority of invention to K. considered, and the decision of the Commissioner affirmed.

2. SAME—SAME—NEW APPLICATION BY SOLE INVENTOR.

Where K. and McD. filed a joint application, which was unallowable because K. was the sole inventor, and K. later filed a new application for the same invention, *Held* K. was entitled to the filing date of the joint application for constructive reduction to practice. (Following *in re Roberts*, C. D., 1920, 158; 273 O. G., 410; 49 app. D. C., 250; 263 Fed., 646.)

3. SAME—SAME—ABANDONED EXPERIMENT.

Where an applicant tested an engine starter in 1912 and did nothing further with the device until after another party came into the field, *Held* the test was an abandoned experiment.

4. SAME—SAME—ESTOPPEL.

Where B. constructively reduced to practice on March 13, 1912, and the Interference Examiner found he actually reduced at a later date, *Held* the other party is not estopped in a subsequent interference with B. from showing that B. reduced later than March 13, 1912, because that question was not in issue in the first proceeding.

Mr. A. G. Davis and Mr. J. Edgar Bull for Bijur.

Mr. J. A. Watson and Mr. S. E. Hibben for Kennington.

SMYTH, C. J.:

From a decision of the First Assistant Commissioner of Patents awarding priority to Kennington with respect to the invention of the issue Bijur appeals.

The structure involved is described in four counts, illustrated sufficiently by count 1, which reads:

A starter for gas engines and the like, comprising in combination with a member operatively connected with the engine, a motor, a shaft driven thereby, a driving member adapted to engage and drive the engine member but normally out of engagement therewith, said driving member being mounted on the shaft and having screw-threaded engagement therewith whereby rotation of the shaft advances such driving member into engagement with the engine member, and means for yieldingly stopping said driving member and thus permitting it to yield and cushion the shock of starting the engine member.

The three tribunals of the Patent Office concurred in favor of Kennington. Were they clearly wrong? If not we must affirm the Commissioner's decision. (*Ruth v. Groch*, this day decided, and cases cited therein.) Bijur does not deny that Kennington conceived in January, 1912, but insists he did not actually reduce to practice until October, 1913. Kennington urges that he is entitled to May 24, 1912, for reduction to practice, because he and one McDermott filed a joint application on that date for the invention of the issue. Later it was decided that this application was not allowable, for the reason that Kennington was the sole inventor of the subject-matter disclosed. Kennington then filed the present application. Bijur says that he is not entitled to the filing date of the joint application, but must be confined to that of the present one, March 13, 1915.

We held in *in re Roberts* (C. D., 1920, 158; 273 O. G., 410; 49 App. D. C., 250; 263 Fed., 646) that the sole inventor was entitled to the benefit of the date of the joint application on the theory that his application was an amendment of the joint one. It is a rule that—

an amendment relates back to the time of the filing of the original petition. *Union Pacific Railway Company v. Wyler*, 158 U. S., 285, 296.

From this it follows that Kennington is entitled to May 24, 1912, for constructive reduction to practice.

The present application of Bijur was involved in *Halbleib v. Bendix*, (50 App. D. C., 247; 285 O. G., 191; 270 Fed., 683.) He there relied on a device described as Exhibit 2 for reduction to practice, which he said took place in the early part of 1912.

He stands on the same exhibit here and the same reduction to practice. In that case he contended that the device was tested on a Packard car which had been furnished for that purpose by the Packard Company, and he presented the testimony of a number of witnesses to support his position. We held that if his conduct after that test was such as to corroborate his proof concerning it, "reduction to practice could be readily inferred; but it was not."

His conduct, we said, forced the conclusion that what he had done on the car in 1912 was an "abandoned experiment." We further said that he made no attempt after that to do anything with the device until January or February, 1914. The testimony which Bijur presents in this case somewhat strengthens the testimony in the former one, but that avails him nothing, because, as we have just said, the decision there rested not upon the testimony of his witnesses but upon his own conduct after the test, which we held clearly established that he did not regard the "test as a success." Nothing that he has produced in this case lessens the probative force of his conduct, and therefore we must adhere to our former conclusion, namely, that he had not proven a satisfactory reduction to practice in 1912.

Bijur, however, urges that the main question in this case is one of *res judicata*. He insists that in a prior interference, No. 38013, between him and Kennington, the Examiner of Interferences held that Exhibit 2, which he claims embodies the invention of the present issue, was actually reduced to practice in April or May, 1912, and that this decision is final because an appeal taken from it was subsequently denied. The Examiner's decision was offered in evidence by Bijur but the record before us does not contain it. Without it we can not decide that the question now presented for adjudication was disposed of by it, unless we unite the extracts which purport to have been taken from it as they appear in the opinion of the Patent Office tribunals and the briefs of the parties, and treat the result as a true copy. We have done so, and we proceed on the assumption that the copy is correct.

Bijur had a constructive reduction to practice of the invention involved in that interference as of March 13, 1912. This was not denied. It was therefore entirely unnecessary for the Examiner of Interferences to decide that Bijur had actually reduced to practice at a later date. The question was not before him, and his holding was merely obiter. It is well settled that—

where the second action between the same parties is upon a different claim or demand, the judgment in the prior action operates as an estoppel only as to those matters in issue or points controverted, upon the determination of which the finding or verdict was rendered. *Cromwell v. County of Sac*, 94 U. S., 351, 353; *Radford v. Myers*, 231 U. S., 725, 730.

The matter presented for decision in the prior interference was as to whether Kennington's reduction to practice preceded or followed Bijur's date, March 13, 1912. Whether or not Bijur had a later date was a question not in issue and the Examiner of Interferences had no power to decide it in that proceeding.

Bijur has not established that the decision of the Commissioner of Patents is wrong, and it is therefore affirmed.

Affirmed.

ADJUDICATED PATENTS.

(U. S. C. C. A. Calif.) The Layne patent, No. 821,653, for well mechanism, claims 9, 13, and 20 *Held* valid, but not infringed. *Western Well Works v. Layne & Bowler Corporation*, 276 Fed. Rep., 465.

(U. S. C. C. A. Nebr.) The Loudon patent, No. 990,827, for cattle stanchions *Held valid and infringed.* *Hudson Mfg. Co. v. Loudon Machinery Co.*, 276 Fed. Rep., 527.

Amended Patent Laws.

(Continued from page 681.)

ent Office, and shall either be signed by the Commissioner of Patents or have his name printed thereon and attested by an Assistant Commissioner of Patents or by one of the law examiners duly designated by the commissioner, and shall be recorded, together with the specifications, in the Patent Office in books to be kept for that purpose.

AMENDMENT TO REVISED STATUTES, SECTION 4898.

The act of February 18, 1922, amends section 4898 of the Revised Statutes to read as follows:

SEC. 4898. Every patent or any interest therein shall be assignable in law by an instrument in writing, and the patentee or his assigns or legal representatives may in like manner grant and convey an exclusive right under his patent to the whole or any specified part of the United States. An assignment, grant, or conveyance shall be void as against any subsequent purchaser or mortgagee for a valuable consideration, without notice, unless it is recorded in the Patent Office within three months from the date thereof or prior to such subsequent purchase or mortgage.

If any such assignment, grant, or conveyance of any patent shall be acknowledged before any notary public of the several States or Territories or the District of Columbia, or any commissioner of any court of the United States for any District or Territory, or before any secretary of legation or consular officer authorized to administer oaths or perform notarial acts under section 1750 of the Revised Statutes, the certificate of such acknowledgment, under the hand and official seal of such notary or other officer, shall be prima facie evidence of the execution of such assignment, grant, or conveyance.

AMENDMENT TO REVISED STATUTES, SECTION 4906.

The act of February 18, 1922, amends section 4906 of the Revised Statutes to read as follows:

SEC. 4906. The clerk of any court of the United States, for any District or Territory wherein testimony is to be taken for use in any contested case pending in the Patent Office, shall, upon the application of any party thereto, or of his agent or attorney, issue a subpoena for any witness residing or being within such District or Territory, commanding him to appear and testify before any officer in such District or Territory authorized to take depositions and affidavits at any time and place in the subpoena stated. But no witness shall be required to attend at any place more than forty miles from the place where the subpoena is served upon him; and the provisions of section 869 of the Revised Statutes relating to the issuance of subpoenas duces tecum shall apply to contested cases in the Patent Office.

AMENDMENT TO REVISED STATUTES, SECTION 4921.

The act of February 18, 1922, amends section 4921 of the Revised Statutes to read as follows:

SEC. 4921. The several courts vested with jurisdiction of cases arising under the patent laws shall have power to grant injunctions according to the course and principles of courts of equity, to prevent the violation of any right secured by patent, on such terms as the court may deem reasonable; and upon a decree being rendered in any such case for an infringement the complainant shall be entitled to recover, in addition to the profits to be accounted for by the defendant, the damages the complainant has sustained thereby, and the court shall assess the same or cause the same to be assessed under its direction. *If on the proofs it shall appear that the complainant has suffered damage from the infringement or that the defendant has realized profits therefrom to which the complainant is justly entitled, but that such damages or profits are not susceptible of calculation and determination with reasonable certainty, the court may, on evidence tending to establish the same, in its discretion, receive opinion or expert testimony, which is hereby declared to be competent and admissible, subject to the general rules of evidence applicable to this character of testimony; and upon such evidence and all other evidence in the record the court may adjudge and decree the payment by the defendant to the complainant of a reasonable sum as profits or general damages for the infringement: Provided, That this provision shall not affect pending litigation.* And the court shall have the same power to increase such damages, in its discretion, as is given to increase the damages found by verdicts in actions in the nature of actions of trespass upon the case; but in any suit or action brought for the infringement of any patent there shall be no recovery of profits or damages for any infringement committed more than six years before the filing of the bill of complaint or the issuing of the writ in such suit or action, and this provision shall apply to existing causes of action. *And it shall be the duty of the clerks of such courts within one month after the filing of any action, suit, or proceeding arising under the patent laws to give notice thereof in writing to the Commissioner of Patents, setting forth in*

order so far as known the names and addresses of the litigants, names of the inventors, and the designating number or numbers of the patent or patents upon which the action, suit, or proceeding has been brought, and in the event any other patent or patents be subsequently included in the action, suit, or proceeding by amendment, answer, cross bill, or other pleading, the clerk shall give like notice thereof to the Commissioner of Patents, and within one month after the decision is rendered or a decree issued the clerk of the court shall give notice thereof to the Commissioner of Patents, and it shall be the duty of the Commissioner of Patents on receipt of such notice forthwith to indorse the same upon the file wrapper of the said patent or patents and to incorporate the same as a part of the contents of said file or file wrapper; and for each notice required to be furnished to the Commissioner of Patents in compliance herewith a fee of 50 cents shall be taxed by the clerk as costs of suit.

AMENDMENT TO REVISED STATUTES, SECTION 4934.

The act of February 18, 1922, amends section 4934 of the Revised Statutes to read as follows:

SEC. 4934. The following shall be the rates for patent fees:

On filing each original application for a patent, except in design cases, \$20.

On issuing each original patent, except in design cases, \$20.

In design cases: For three years and six months, \$10; for seven years, \$15; for fourteen years, \$30.

On every application for the reissue of a patent, \$30.

On filing each disclaimer, \$10.

On an appeal for the first time from the primary examiners to the examiners in chief, \$10.

On every appeal from the examiners in chief to the commissioner, \$20.

For uncertified printed copies of specifications and drawings of patents, 10 cents per copy: *Provided, That the Commissioner of Patents may supply public libraries of the United States with such copies as published, for \$50 per annum: Provided further, That the Commissioner of Patents may exchange copies of United States patents for those of foreign countries.*

For copies of records made by the Patent Office, excluding printed copies, 10 cents per hundred words.

For each certificate, 25 cents.

For recording every assignment, agreement, power of attorney, or other paper of three hundred words or under, \$1; of over three hundred and under one thousand words, \$2; and for each additional thousand words or fraction thereof, \$1; *for each additional patent or application included or involved in one writing, where more than one is so included or involved, 25 cents additional.*

For copies of drawings, the reasonable cost of making them.

That the provisions of section 4934 as herein amended shall take effect sixty days after the approval of this act.

Nolan Act—Reciprocity of Italian Laws Recognized.

(ORDER NO. 2,725.)

DEPARTMENT OF THE INTERIOR.

UNITED STATES PATENT OFFICE,

Washington, D. C., February 15, 1922.

Notice is hereby given that the laws of Italy are recognized as affording to citizens of the United States privileges substantially reciprocal to the privileges accorded by the Nolan Act of March 3, 1921, (41 Stat. L., 1313,) and that consequently the privileges specified in said act will be extended to citizens of Italy, subject to the limitation that extensions will not be granted to relieve defaults falling under section 2 of the act for a longer period than six years and eight months.

WM. A. KINNAN,
Acting Commissioner.

Adverse Decisions in Interference.

PATENT NO. 1,277,711.

On January 17, 1922, a decision was rendered that John R. Gammeter was not the first inventor of the subject-matter covered by claims 1 and 2 of his Patent No. 1,277,711, subject, "Endless belts and method of making the same," and no appeal having been taken within the time allowed such decision has become final.

PATENT NO. 1,335,309.

On January 6, 1922, a decision was rendered that Alfred James Winship was not the first inventor of the subject-matter covered by claims 1 and 2 of his Patent No. 1,335,309, subject, "Press for hay and the like," and no appeal having been taken within the time allowed such decision has become final.

No. 4.]

PATENT NO. 1,346,352.

On January 4, 1922, a decision was rendered that Daniel E. Tweedale was not the first inventor of the subject-matter covered by claims 1, 2, and 3 of his Patent No. 1,346,352, subject, "Button fastener," and no appeal having been taken within the time allowed such decision has become final.

Interference Notices.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., February 3, 1922.

Bruno H. Goll Chemical Works, their assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of R. Odell & Sons Company, 103 Washington Street, Newark, N. J., and Henry Bach, 102 West Market Street, Akron, Ohio, for registrations of trade-marks and trade-mark registered Dec. 31, 1907, No. 66,838, to Bruno H. Goll Chemical Works, 661 West Twelfth Street, Chicago, Ill., and a notice of such declaration sent by registered mail to Bruno H. Goll Chemical Works at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Bruno H. Goll Chemical Works, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., February 7, 1922.

Coe & Hill, their assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of The Electrozone Water Company, of 1005 West Twelfth Street, city of Oklahoma, Okla., for registration of a trade-mark and trade-mark registered September 27, 1921, No. 146,969, to Coe & Hill, of Oklahoma, Okla., and a notice of such declaration sent by registered mail to said Coe & Hill at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Coe & Hill, their assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., February 8, 1922.

Henry Rattermann, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Wadsworth-Howland Company, 219-229 Carpenter Street, Chicago, Ill., for registration of a trade-mark and trade-mark registered June 4, 1895, No. 26,652, to Henry Rattermann, 577 Elm Street, Cincinnati, Ohio, and a notice of such declaration sent by registered mail to said Henry Rattermann at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Henry Rattermann, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Assistant Commissioner.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., February 11, 1922.

The Ohio Coffee & Spice Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Davidson-Lake Tea & Coffee Co., 41-43-45 Richards street, Salt Lake City, Utah, for registration of a trade-mark and trade-marks registered November 26, 1895, No. 27,331, and June 4, 1907, No. 63,129, to The Ohio Coffee & Spice Company, 184 West Randolph street, Columbus, Ohio, and a notice of such declaration sent by registered mail to The Ohio Coffee & Spice Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless The Ohio Coffee & Spice Company, its assigns or legal repre-

sentatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Acting Commissioner.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., February 18, 1922.

The Railway Lock-Nut Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of The Bull Dog Lock Washer Co., of 269 South Seventh Street, Baltimore, Maryland, for registration of a trade-mark and trade-mark registered August 20, 1907, No. 64,753, to The Railway Lock-Nut Company, of 77 Jackson Boulevard, Chicago, Illinois, and a notice of such declaration sent by registered mail to The Railway Lock-Nut Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless The Railway Lock-Nut Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., February 20, 1922.

Grace L. Sager, her assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications of Noxall Mfg. Co., Inc., 145 to 149 West Thirtieth Street, New York, N. Y., Frank H. Spencer, 119 South Mill Street, Lexington, Ky., Solomon Garde, 303 Prefontaine Building, Seattle, Wash., Alice Jane Dougherty, Twenty-fifth Street and Depot Lane, Flushing, Long Island, N. Y., and the application of Grace L. Sager, 1007 West Forty-eighth Street, Los Angeles, Calif., and a notice of such declaration sent to Grace L. Sager at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Grace L. Sager, her assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

Changes in Classification.

(ORDER NO. 2,724.)

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., February 13, 1922.

The following changes in the classification of inventions are hereby directed, to take effect immediately:

In class 20, Wooden Buildings, (Division XLVI,) abolish the following subclasses with their definitions:

13. Lathing—
14. Lath holders.

The patents formerly contained in subclass 13, above, have been placed in class 72, Masonry and Concrete Structures, subclass 116, Reinforcing elements, Lathing, and those formerly contained in subclass 14 have been placed for the most part in class 144, Woodworking, subclass 288.5, Lath holders, hereinafter established.

In class 144, Woodworking, (Division XXIX,) establish the following subclass and definition:

288.5. Lath holders.

288.5. LATH HOLDERS. Devices for holding or spacing laths in position to be secured.

The patents contained in this subclass have been taken from class 20, Wooden Buildings, subclass 14, Lathing, Lath holders, hereinbefore abolished.

In class 72, Masonry and Concrete Structures, (Division XXXIII,) subclass 116, Reinforcing elements, Lathing, abolish the note at the end of the definition.

KARL FENNING,
Acting Commissioner.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF FEBRUARY, 1922.

NOTE.—Arranged in accordance with the first significant character or word of the name. (In accordance with city and telephone directory practice.)

- Abbott, Adrian O., Jr., Detroit, Mich., assignor to Morgan & Wright. Attachment for mixing mills. No. 1,405,383; Feb. 7.
- Abraham, Herbert, New York, N. Y., assignor to The Rubberoid Co. Strip shingle. (Reissue.) No. 15,280; Feb. 7.
- Abrell, Charles, Redding, Calif. Tableware. No. 1,406,135; Feb. 7.
- Ackerman, Henry F., and J. F. Habben, Palmer, Iowa. Radiator. No. 1,405,381; Feb. 7.
- Acme Electric & Mfg. Co., The. (See Bunch, Charles H., assignor.)
- Actien-Gesellschaft für Anilin Fabrikation. (See Haugwitz, Rudolf, assignor.)
- Adams, Frank A., Rochester, assignor to B. C. Olney, Rome, and F. C. Dailey, Rochester, N. Y. Clothes-washing machine. No. 1,406,136; Feb. 7.
- Adams, Frank A., Rochester, assignor to B. C. Olney, Rome, and F. C. Dailey, Rochester, N. Y. Clothes-washing machine. No. 1,406,137; Feb. 7.
- Adland, Victor E. (See Kamper, L. H., Adland, and Bartholomew.)
- Aeolian Company, The. (See Dickinson, Joseph H., assignor.)
- Ahlheim Company, The. (See Kerr, H. E., and Ahlheim, assignors.)
- Ahlheim, Edward C. (See Kerr, H. E., and Ahlheim.)
- Aikin, William P., Watertown, N. Y. Apparatus for dressing pulp-wood grindstones. No. 1,406,138; Feb. 7.
- Aims, William D. P., Philadelphia, Pa. Apparatus for distilling heavy hydrocarbons, shale, and the like. No. 1,405,704; Feb. 7.
- Aktiebolaget Svenska Kullagerfabriken. (See Borg, John L., assignor.)
- Allen, Joseph J., Crook, England. Tool for refacing valve seats. No. 1,406,139; Feb. 7.
- Alt, Otto, Kiel, assignor to Fried. Krupp Aktiengesellschaft Germaniawerft, Kiel-Gaarden, Germany. Piston for internal-combustion engines. No. 1,405,887; Feb. 7.
- Altenbaugh, William F. (See Welch, J. C., and Altenbaugh.)
- American Can Company. (See Johnson, Axel, assignor.)
- American Car and Foundry Company. (See Cork, Tudor C., assignor.)
- American Car and Foundry Company. (See Hervig, Richard, assignor.)
- American Car and Foundry Company. (See Hochberg, Oscar, assignor.)
- American Car and Foundry Company. (See Ostrander, Allen E., assignor.)
- American Car and Foundry Company. (See Wolnick, Henry F., assignor.)
- American Coke & Chemical Company. (See Roberts, Arthur, assignor.)
- American Hardware Corporation, The. (See Teich, Ernest L., assignor.)
- American Optical Company. (See Maynard, Albert E., assignor.)
- American Sales Book Company. (See Bottle, Edward K., assignor.)
- American Steam Truck Company. (See Jacobson, Era C., assignor.) (Reissue.)
- American Steel and Wire Company of New Jersey. (See Ekstrand, Lars M., assignor.)
- American Steel Foundries. (See Peycke, Armand H., assignor.)
- American Telephone and Telegraph Company. (See Demarest, Charles S., assignor.)
- American Telephone and Telegraph Company. (See Osborne, Harold S., assignor.)
- Anchor Cap & Closure Corporation. (See Ramsey, George, assignor.)
- Anderson, Adolph F., assignor to Apex Appliance Company, Chicago, Ill. Power-transmitting mechanism. No. 1,405,382; Feb. 7.
- Anderson, Axel J., Brooklyn, N. Y. Rotary engine. No. 1,406,140; Feb. 7.
- Andrews, William A., Detroit, Mich. Electric liquid heater. No. 1,405,475; Feb. 7.
- Anglemyer, Williard A., Indianapolis, Ind. Shock snubber. No. 1,405,813; Feb. 7.
- Ankener, Henry E., and L. A. Demarco, Baltimore, Md. Game. No. 1,405,705; Feb. 7.
- Anston, George, Shreveport, La. Respiratory apparatus. No. 1,406,141; Feb. 7.
- Apex Appliance Company. (See Anderson, Adolph F., assignor.)
- Aram, Otto, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Refuse grinder and discharge mechanism for stokers. No. 1,405,814; Feb. 7.
- Arkell, Bartlett, assignor to Arkell Safety Bag Company, New York, N. Y. Machine for making stretchable crinkled paper. No. 1,405,384; Feb. 7.
- Arkell Safety Bag Company. (See Arkell, Bartlett, assignor.)
- Armstrong Manufacturing Company. (See Watson, George R., assignor.)
- Asbury, William, assignor to Straight Line Regulator Corporation, New York, N. Y. Closure operator. No. 1,406,142; Feb. 7.
- Atkinson, Joseph M., assignor to Oppenheim, Oberndorf & Co., Inc., Baltimore, Md. Combination garment. No. 1,405,962; Feb. 7.
- Atkinson, Joseph M., assignor to Oppenheim, Oberndorf & Co., Inc., Baltimore, Md. Union garment. No. 1,405,963; Feb. 7.
- Audi, Lucie T., New York, N. Y. Sanitary fixture. No. 1,405,476; Feb. 7.
- Bailey, Leland T., Lynchburg, Va. Tire. No. 1,405,888; Feb. 7.
- Baker, N. L., Manufacturing Co. (See Baker, Norman L., assignor.)
- Baker, Norman L., Philadelphia, Pa., assignor to N. L. Baker Manufacturing Co. Rim for automobile wheels. No. 1,405,563; Feb. 7.
- Baker, Olaf, et al. (See Scribner, E. W., and Depee, assignors.)
- Baldrige, Charles W. (See McFarland, Harvey P., assignor.)
- Ballard, Milton H., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Press. No. 1,405,385; Feb. 7.
- Baluss, Fred C., Duluth, Minn. Gas heater for furnaces. No. 1,405,386; Feb. 7.
- Banschbach, Edward A., Chicago, Ill. Vehicle support. No. 1,405,656; Feb. 7.
- Barkdoll, Edward J., Garrison, Iowa. Bridle. No. 1,405,387; Feb. 7.
- Barling, Walter H., Hasbrouck Heights, N. J. Spar. No. 1,405,889; Feb. 7.
- Barling, Walter H., Hasbrouck Heights, N. J. Aerofoil arrangement for aircraft. No. 1,405,890; Feb. 7.
- Barnwell, Harry T., assignor to The Newell Mfg. Co., Inc., Ogdensburg, N. Y. Curtain-rod bracket. No. 1,405,891; Feb. 7.
- Barrier, Ralph W., Indianapolis, Ind. Laundry assorting apparatus. No. 1,405,964; Feb. 7.
- Barron, William L., New York, N. Y., assignor to The Singer Manufacturing Company. Button-sewing machine. No. 1,405,477; Feb. 7.
- Bartholomew, William. (See Kamper, L. H., Adland, and Bartholomew.)
- Bassett, Harry P., Cynthiana, Ky. Production of magnesia. No. 1,405,388; Feb. 7.
- Bassick Company, The. (See Herold, Walter F., assignor.)
- Bates, Thomas F., Shelbyville, Tenn. Dental instrument holder. No. 1,406,143; Feb. 7.
- Battaglia, Sam, Brooklyn, N. Y. Leg block. No. 1,406,144; Feb. 7.
- Bauer, Walter C., Kansas City, Mo. Driving mechanism for washing machines. No. 1,405,657; Feb. 7.
- Baumann, Karl, Urmoston, England, assignor to The British Westinghouse Electric and Manufacturing Company, Limited. Steam turbine. No. 1,405,564; Feb. 7.
- Baumann, Karl, Urmoston, England, assignor to The British Westinghouse Electric and Manufacturing Company, Limited. Steam turbine. No. 1,405,565; Feb. 7.
- Baxter, William C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Delivery mechanism. No. 1,405,389; Feb. 7.
- Bazzeghin, Carlo M., Washington, D. C. Aeroplane attachment. No. 1,405,658; Feb. 7.
- Beatty, Earle J. R. (See Wahlgren, R. M., and Beatty.)
- Beaver Company, The. (See Stuart Ethelbert B., assignor.)
- Beemer, George S., Meeker, Colo. Hay stacker. No. 1,405,659; Feb. 7.
- Beers, Roy R., Alva, Okla. Concrete mixer. No. 1,405,707; Feb. 7.
- Beitzell, August F., and B. D. Weikert, assignors of one-third to C. B. Whetlie, Baltimore, Md. Power-transmission means. No. 1,405,479; Feb. 7.

- Bell Manufacturing Co. (See Belling, Bernard A., assignor.)
- Belling, Bernard A., assignor to Bell Manufacturing Co., Beaver Dam, Wis. Drinking cup for stock. No. 1,405,478; Feb. 7.
- Bentley, Aline E., et al. (See Bentley, Dozier T., assignor.)
- Bentley, Dozier T., assignor of one-half to A. E. Bentley and one-half to F. W. Galvery, Sacramento, Calif. Air gauge. No. 1,405,706; Feb. 7.
- Bergdorf, Josef, New York, N. Y. Hydraulic water gate. No. 1,405,390; Feb. 7.
- Berger, Christian, New York, N. Y., assignor to F. L. Sawyer, Evanston, Ill. Sound-operated circuit controller. No. 1,405,708; Feb. 7.
- Berger, Henry, Jr., Portland, Oreg. Film holder. No. 1,405,892; Feb. 7.
- Berglund, Andrew, assignor to R. S. Broge, Indiana Harbor, Ind. Double hand and foot propelled vehicle. No. 1,405,660; Feb. 7.
- Bergman-Koropp & Co. (See Johnston, R. L., and Wallner, assignors.)
- Bergren, Louis G., San Francisco, Calif. Safety delivery door. No. 1,405,661; Feb. 7.
- Berry, William, San Diego, Calif. Automobile signal device. No. 1,405,893; Feb. 7.
- Biette, Henry C., Pittsburgh, Pa. Percolator. No. 1,405,662; Feb. 7.
- Black, William A., Asheville, N. C. Thermometer holder case. No. 1,405,709; Feb. 7.
- Blair, F. R., & Co. (See Ungar, Gustave A., assignor.)
- Blanc-Garin, Henri C., Levallois-Perret, France. Change-speed gear. No. 1,405,391; Feb. 7.
- Blauhorn, Emanuel, assignor to Firm of Alex. Friedmann, Vienna, Austria. Injector. No. 1,406,145; Feb. 7.
- Bliss, Ira B., Stamford, Conn. Chassis and spring protector. No. 1,405,663; Feb. 7.
- Blood, Louis H. (See Oosterleijn, C. D., and Blood.)
- Blumberg, Paul. (See Meili, O., and Blumberg.)
- Bob White Chemical Corporation. (See Morgan, Neil E., assignor.)
- Boden, George, Waterbury, assignor to Oakville Company, Oakville, Conn. Machine for making safety pins. No. 1,405,392; Feb. 7.
- Boc, Edd, et al. (See Halseth, Edwin A., assignor.)
- Boc, Helmer J., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Mechanism for covering cores. No. 1,405,710; Feb. 7.
- Boehme, John H., Onawa, Iowa. Marker for planters. No. 1,404,480; Feb. 7.
- Boileau, Henri, Bois-Colombes, assignor of one-half to G. Debladis, Paris, France. Pneumatic gun. No. 1,405,664; Feb. 7.
- Bonelli, George A., Kingman, Ariz. Wave and tidal motor. No. 1,405,746; Feb. 7.
- Bonnell, Irven, Madison, Wis. Shingle gauge. No. 1,405,393; Feb. 7.
- Booth, John T., Birmingham, England. Internal-combustion engine. No. 1,405,747; Feb. 7.
- Booth, William N., assignor to Kelsey Wheel Company, Inc., Detroit, Mich. Vehicle wheel rim. No. 1,405,481; Feb. 7.
- Borg, Johan L., assignor to Aktiebolaget Svenska Kullager-fabriken, Gottenborg, Sweden. Ball bearing provided with an entrance opening for the balls. No. 1,405,894; Feb. 7.
- Borgo, Edmondo M., Turin, Italy. Intermittent starting device for internal-combustion motors. No. 1,406,146; Feb. 7.
- Bostedo, Louis G., Chicago, Ill. Method of and means for propelling craft navigating a fluid medium. No. 1,405,482; Feb. 7.
- Boston Pressed Metal Co. (See Needham, William H., assignor.)
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifold sales book. No. 1,405,748; Feb. 7.
- Boucher, George F. (See Ward, E. K., and Boucher.)
- Bourdeau, Leon N., Rock Island, Ill., assignor of one-half to J. G. Sorenson, Davenport, Iowa. Grease cup. No. 1,405,666; Feb. 7.
- Boye Needle Company, The. (See Flannery, John L., assignor.)
- Brady, Mary A., New York, N. Y. Sink lining. No. 1,406,147; Feb. 7.
- Bradenberger, Jacques E., Bezons, assignor to la Sté Ame: "La Cellophane," Paris, France. Band of cellulosic material. No. 1,406,148; Feb. 7.
- Brauner, Ada A., Nampa, assignor of one-half to E. Carnefex, Meridian, Idaho. Drier and dishwasher. No. 1,405,394; Feb. 7.
- Brennan, John A., New York, N. Y. Resilient vehicle wheel. No. 1,405,395; Feb. 7.
- Bretos y Claveria, Manuel, Santiago de Cuba, Cuba. Folding door and shutter. No. 1,405,758; Feb. 7.
- Brevard, Procter, Highland Park, Mich. Lubricating system for explosive engines. No. 1,405,396; Feb. 7.
- British Westinghouse Electric and Manufacturing Company Limited, The. (See Baumann, Karl, assignor.)
- Broge, Richard S. (See Burglund, Andrew, assignor.)
- Brown, James A., et al. (See Rathman, Gilbert, assignor.)
- Brown, Stanley, Garden City, assignor to The Griscum Russell Company, New York, N. Y. Evaporator system. No. 1,405,483; Feb. 7.
- Browne, Hugh M., assignor of one-fifth to A. Tacconelli, Washington, D. C. Furnace draft controller. No. 1,405,749; Feb. 7.
- Browne, Joseph A., Portland, Oreg. Stone raker. No. 1,405,750; Feb. 7.
- Brunner, Walter. (See Schmidlin, J., and Brunner.)
- Buchter, Emil. (See Maag, M., and Buchter.)
- Budd, Edward G., Manufacturing Company. (See Fry, Walter L., assignor.)
- Bullock, George L., Louisville, Ky. Repeating attachment for sound-reproducing machines. No. 1,405,751; Feb. 7.
- Bunch, Charles H., assignor to The Acme Electric & Mfg. Co., Cleveland, Ohio. Motor generator. No. 1,405,965; Feb. 7.
- Bunk, Christian, and H. F. Kuechler, Kenosha, Wis. Vessel-salvaging apparatus. No. 1,405,895; Feb. 7.
- Burke, Lawrence, Jr., Rock Island, Ill. Toy. No. 1,405,752; Feb. 7.
- Burnett, Charley, Washington Court House, Ohio. Roof construction. No. 1,405,966; Feb. 7.
- Burnett, Richard W., Chicago, Ill. Reversible-strut brake beam. No. 1,405,665; Feb. 7.
- Burroughs, Charles F., East Orange, assignor to Composition Machinery Corporation, Newark, N. J. Molding press. No. 1,405,484; Feb. 7.
- Burt, F. N., Company. (See Carle, Harold, assignor.)
- Bush, Reno J., Bloomsburg, Pa. Dispensing container. No. 1,405,753; Feb. 7.
- Butler, William A., Portsmouth, Va. Inside pipe wrench. No. 1,405,896; Feb. 7.
- Butters, Robert H. (See Levy, Henri G., assignor.) (Re-issue.)
- Cable Company, The. (See Swensen, Alfred, assignor.)
- Cade, Enos B., Seattle, Wash. Measuring device. No. 1,405,754; Feb. 7.
- Caesber, Asa E. (See Jordan, T. A., and Caesber.)
- Cahill, Gerald, et al. (See Carlson, Ivar, assignor.)
- Cain, Alvah E., Philipsburg, Mont. Tractor. No. 1,405,897; Feb. 7.
- Callery, Thomas J., Jersey City, N. J. Freight-car-closing device. No. 1,405,485; Feb. 7.
- Camburn, Clare H. and W. E., Tecumseh, Mich. Air pump for motor vehicles. No. 1,405,397; Feb. 7.
- Camburn, William E. (See Camburn, Clare H. and W. E.)
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Grain-car door. No. 1,405,666; Feb. 7.
- Campbell, Donald J., Muskegon Heights, assignor of one-fourth to R. B. Campbell, South Haven, Mich. Sand-hopper construction. No. 1,405,398; Feb. 7.
- Campbell, Robert B. (See Campbell, Donald J., assignor.)
- Cardem Process Company, The. (See Carr, Oma, assignor.)
- Carle, Harold, Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada. Labeling machine. No. 1,405,755; Feb. 7.
- Carlson, Hjalmar, Woonsocket, R. I. Dog driver. No. 1,405,898; Feb. 7.
- Carlson, Ivar, Leominster, assignor of one-third to G. Cahill, Lowell, Mass., and one-third to J. H. Lynch, Pawtucket, R. I. Aeroplane. No. 1,405,667; Feb. 7.
- Carnefex, Elizabeth. (See Brauner, Ada A., assignor.)
- Carpino, Frank W., et al. (See Ceserani, John, assignor.)
- Carr, Oma, assignor to The Cardem Process Company, New York, N. Y. Evaporating apparatus. No. 1,405,756; Feb. 7.
- Carrm, Bazel E., New York, N. Y. Convertible automobile body. No. 1,405,486; Feb. 7.
- Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose ether solvent and composition. No. 1,405,487; Feb. 7.
- Carson, Clarence, New Rochelle, N. Y., assignor to Johns-Manville Incorporated. Trip reset for speedometers. No. 1,405,899; Feb. 7.
- Case, Theodore W., Scipio, N. Y. Electrical device. No. 1,406,149; Feb. 7.
- Cassalette, Eddy, Berlin-Friedenau, Germany. Device for controlling the exhaust of motor cars and the like. No. 1,405,900; Feb. 7.
- Cawley, Frank P., Pittsburgh, Pa. Game apparatus. No. 1,405,967; Feb. 7.
- Ceserani, John, assignor of one-third to G. Wrightson and one-third to F. W. Carpino, Butte, Mont. Surveyor's instrument and range finder. No. 1,406,150; Feb. 7.
- Chadwick, Lee S., assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Oil burner. No. 1,405,488; Feb. 7.
- Chambers, Charles E., El Dorado, Kans. Skimmer. No. 1,405,668; Feb. 7.
- Chambers, Peter. (See Fisher, W. H., and Chambers.)
- Chapin & Hollister Co. (See Lewis, Frederick W., assignor.)
- Charles, Manuel, Mexico, Mexico. Tire. No. 1,406,151; Feb. 7.
- Chase, March E., Ardsley-on-Hudson, and F. E. Pierce, assignors to The Cos Process Company, Inc., New York, N. Y. Manufacture of sulphuric anhydride and sulphuric acid. No. 1,405,669; Feb. 7.
- Cheney, Anson W., Seattle, Wash. Safety cabinet for gas plates and ranges. No. 1,405,489; Feb. 7.
- Chigoy, Thomas E., et al. (See Lichtenberger, Joseph A., assignor.)
- Chile Exploration Company. (See Middlemiss, Bruce A., assignor.)

- Christensen, Thorvald F., Chicago, Ill. Automobile frog. No. 1,405,567; Feb. 7.
- Christman, John H., Cleveland, Ohio. Valve. No. 1,405,968; Feb. 7.
- Christofferson, Charles L., Chicago, Ill. Hairpin. No. 1,405,815; Feb. 7.
- Chryst, William A. (See Kettering, C. F., and Chryst.)
- Clair, Ruby L. (See Luse, Ruby.)
- Clark, Arthur B., Dyerville, Calif. Stove. No. 1,406,152; Feb. 7.
- Clark, Henry F., Oakmont, assignor to Window Glass Machine Company, Pittsburgh, Pa. Carrier for glass articles. No. 1,405,757; Feb. 7.
- Clarke, Athol W. (See Scanes, A. E. L., and Clarke.)
- Clarke, Hans T., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether composition. No. 1,405,490; Feb. 7.
- Clarke, Hans T., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether composition. No. 1,405,491; Feb. 7.
- Clary, Burton N., Beverly, and B. F. Mayo, Salem, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Cutting machine. No. 1,405,492; Feb. 7.
- Clayton, James, Coventry, England, assignor to The Viscose Company, Marcus Hook, Pa. Apparatus employed in the manufacture of artificial silk. No. 1,406,153; Feb. 7.
- Clemmer, Joel G. (See Eschinger, Edward A., assignor.)
- Cleveland Metal Products Company, The. (See Chadwick, Lee S., assignor.)
- Cline, Allan J., Chicago, Ill. Motor controller. No. 1,405,493; Feb. 7.
- Cold Light Manufacturing Company, The. (See Erdle, Reiner W., assignor.)
- Coleman, John P., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signal mechanism. No. 1,405,494; Feb. 7.
- Coleman, Walter P., Atlanta, Ga. Safety-razor guard. No. 1,405,759; Feb. 7.
- Collins, Francis, and D. D. MacCormack, Boston, Mass. Shingling gauge. No. 1,405,760; Feb. 7.
- Colombelle, Henri, Le Raincy, France. Apparatus for operating window frames or sashes. No. 1,406,154; Feb. 7.
- Colson, Edd L. (See Crosby, R. A., and Colson.)
- Combustion Engineering Corporation. (See Skelly, John S., assignor.)
- Composition Machinery Corporation. (See Burroughs, Charles F., assignor.)
- Computing-Tabulating-Recording Company. (See Odell, George W., assignor.)
- Condé Max, Berlin-Wilmersdorf, Germany. Race game. No. 1,406,155; Feb. 7.
- Conklin, Roscoe A., Chicago, Ill. Plant box. No. 1,405,568; Feb. 7.
- Continental Transport Company. (See Nilsson, Hjalmar, assignor.)
- Cook, Adolf F., New York, N. Y. Check dispenser. No. 1,405,495; Feb. 7.
- Cooper, Charles H. (See Crane, Ernest W., assignor.)
- Cork, Tudor C., assignor to American Car and Foundry Company, New York, N. Y. Railway trapdoor lock mechanism. No. 1,405,496; Feb. 7.
- Cornell, Leonard B., Spokane, Wash. Pin-fastening. No. 1,405,761; Feb. 7.
- Corum, Clinton. (See Swains, C. S., and Corum.)
- Cory, Chas. & Son Incorporated. (See Grierson, P. S., and Mead, assignors.)
- Cory, Charles & Son, Incorporated. (See Wood, Frank W., assignor.)
- Cos Process Company, The. (See Chase, M. F., and Pierce, assignors.)
- Costello, Joseph A., Cleveland, Ohio. Making hexagonal hot-metal pieces for making hexagonal nut blanks. No. 1,405,969; Feb. 7.
- Cotter, Edward J., and R. E., Philadelphia, Pa. Stepping tool. No. 1,406,156; Feb. 7.
- Cotter, Roy E. (See Cotter, Edward J. and R. E.)
- Coulombe, Joseph C., Dracut, Mass. Fuel-feeding system for internal-combustion motors. No. 1,406,157; Feb. 7.
- Cowen, Joshua L., New York, N. Y. Armature brush holder for electric toy dynamo. No. 1,405,497; Feb. 7.
- Craley, Clarence C., Reading, Pa. Lathe attachment. No. 1,405,670; Feb. 7.
- Crane, Ernest W., assignor of one-half to C. H. Cooper, Buena Vista, Fla. Liquid conveyer. No. 1,406,158; Feb. 7.
- Crane, Frederick G., et al. (See Hammond, Grant, assignor.)
- Cranney, John E., Omaha, Nebr. Attachment for line-casting machines. No. 1,405,498; Feb. 7.
- Crawford, George H., Lorain, Ohio. Display fixture. No. 1,405,569; Feb. 7.
- Crawford, Samuel M., Winfield, N. Y. Sterilizing and cooling apparatus. No. 1,405,816; Feb. 7.
- Crawfordville Seed Company. (See Herr, Shirl, assignor.)
- Croasdale, John P. (See Wray, William J., assignor.)
- Crocker, William W., Somerville, Mass. Metallic window. No. 1,405,817; Feb. 7.
- Croll, Albert J. (See Schulz, C. G., and Croll.)
- Crosby, Raymond A., and E. L. Colson, Waukena, Nebr. Combination steering device and gage. No. 1,405,901; Feb. 7.
- Crosby, Vernon E., Minneapolis, Minn. Rear-seat windshield. No. 1,405,499; Feb. 7.
- Crowell, John H., Tisbury, Mass. Fountain-pen pencil. No. 1,405,970; Feb. 7.
- Croxton, David T. (See Greene, Stanley R., assignor.)
- Crozier, Alfred O., New York, N. Y. Apparatus for cutting concrete and the like. No. 1,405,671; Feb. 7.
- Cuddy, Fred K. (See Keck, G. E., and Cuddy.)
- Curtis, Thomas S., assignor to Universal Optical Corporation, Providence, R. I. Furnace. No. 1,405,762; Feb. 7.
- Curtiss, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Handle. No. 1,405,971; Feb. 7.
- Dahl, Palmer S., Everett, Wash. Pin. No. 1,405,500; Feb. 7.
- Bailey, Florence C., et al. (See Adams, Frank A., assignor.)
- Dalton, Charles J., New York, N. Y. Oversized plural truck tire. No. 1,405,972; Feb. 7.
- Dalton, Charles J., New York, N. Y. Oversized truck tire. No. 1,405,973; Feb. 7.
- Dame, James A., Kokomo, Ind. Shoe fastener. No. 1,405,974; Feb. 7.
- Dargert, Henry D., Buffalo, N. Y. Motor-propelled vehicle. No. 1,405,763; Feb. 7.
- Davis, Gilbert, Nicholson, N. D. Binder platform. No. 1,405,571; Feb. 7.
- Davis, William E., Genesee, Mich. Antiskid device. No. 1,405,672; Feb. 7.
- Dayton Engineering Laboratories Company, The. (See Kettering, C. F., and Chryst, assignors.)
- Dayton Engineering Laboratories Company. (See Schwarz, Elmer H., assignor.)
- Debladis, Gustave. (See Boileau, Henri, assignor.)
- De Cano, Victor M., assignor to R. F. Starr, Chicago, Ill. Washboard. No. 1,405,764; Feb. 7.
- Degen, Lewis, Oakland, Calif. Fire-alarm telegraph. No. 1,405,673; Feb. 7.
- Demarco, Lawrence A. (See Ankener, H. E., and Demarco.)
- Demarest, Charles S., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Repeater-network-selecting apparatus. No. 1,405,501; Feb. 7.
- Depee, Roy. (See Scribner, E. W., and Depee.)
- Derans, Oscar A., assignor to Svenska Aktiebolaget Nobel-Diesel, Nynäshamn, Sweden. Two-cycle engine. No. 1,405,975; Feb. 7.
- Dewald, Edward A. (See Nelson, E. H., and Dewald.)
- Dhooge, Oscar, Chicago, Ill. Fishing tool for oil wells. No. 1,405,976; Feb. 7.
- Diamond Electric Specialties Corp. (See Rosenfeld, Francis M., assignor.)
- Dickerson, Earl W., Detroit, Mich. Book hanger. No. 1,405,818; Feb. 7.
- Dickinson, Joseph H., Cranford, N. J., assignor to The Aeolian Company. Motor drive for phonographs. No. 1,405,572; Feb. 7.
- Diehl Manufacturing Company. (See Karle, John D., assignor.)
- Diehm, Lucius N., West Hartford, assignor of one-half to B. C. Stone, Middletown, Conn. Pistol. No. 1,405,765; Feb. 7.
- Dietze, Paul, Chemnitz, Germany. Production of a solvent for fat. No. 1,405,902; Feb. 7.
- Dill, Walter E., Springfield, Mass. Door latch. No. 1,405,977; Feb. 7.
- Diller, Job S., Waynesboro, Pa. Cutter head. No. 1,405,903; Feb. 7.
- Dixon, Frederick E. (See Lippman, L. C., and Dixon, assignor.)
- Docter, Albert M. (See Gendel, Harry, assignor.)
- Dodds, Lee L., Brooklyn, N. Y. Electric motor. No. 1,405,502; Feb. 7.
- Doering, Charles J. (See Doering, William M. and C. J.)
- Doering, William M. and C. J., Cincinnati, Ohio. Container and display carton. No. 1,405,503; Feb. 7.
- Doering, William M. and C. J., Cincinnati, Ohio. Container and display carton. No. 1,405,504; Feb. 7.
- Doering, William M. and C. J., Cincinnati, Ohio. Container and display carton. No. 1,405,505; Feb. 7.
- Donaldson, Frank A., Minneapolis, Minn. Air cleaner. No. 1,405,399; Feb. 7.
- Donigan, Horn G., St. Louis, Mo. Blowtorch. No. 1,405,978; Feb. 7.
- Dorsey, Farnum F., assignor to North East Electric Company, Rochester, N. Y. Ignition apparatus. No. 1,405,979; Feb. 7.
- Downing, Hiram, Spokane, Wash. Grain separator. No. 1,405,766; Feb. 7.
- Doyle, James E., Cleveland, Ohio. Method of and means for heating printed sheets. No. 1,405,506; Feb. 7.
- Draper Corporation. (See Lane, Charles B., assignor.)
- Draper Corporation. (See Rhoades, Alonzo E., assignor.)
- Draper Corporation. (See Snow, Isaac, assignor.)
- Dravis, William F., Waukon, Iowa. Fender for corn cultivators. No. 1,405,980; Feb. 7.
- Drevitson, Carl B., Somerville, Mass. Skate. No. 1,405,981; Feb. 7.
- Drum, James B., and F. J. Everett, Wilkes-Barre, Pa. Bicycle. No. 1,405,982; Feb. 7.
- Duesenberg, Frederick S., Elizabeth, N. J. Motor vehicle. No. 1,405,904; Feb. 7.
- Dunmore, Francis W., Washington, D. C. Radio receiving apparatus. No. 1,405,905; Feb. 7.
- Dunson, William, Indianapolis, Ind. Adjustable shade and blind holder. No. 1,405,400; Feb. 7.
- Duquette, Charles J., Schenectady, N. Y. Guard for the handles of coffee percolators and the like. No. 1,405,983; Feb. 7.

- Dyer, George H., San Francisco, Calif. Tractor and like drawbar. No. 1,405,906; Feb. 7.
- Eagle Pencil Company. (See Michael, Alfred, assignor.)
- Easley, Thomas L., assignor of one-half to W. Nagel, San Antonio, Tex. Changeable exhibitor. No. 1,405,767; Feb. 7.
- Eastman Kodak Company. (See Carroll, Stewart J., assignor.)
- Eastman Kodak Company. (See Clarke, Hans T., assignor.)
- Eastman Kodak Company. (See Seel, Paul C., assignor.)
- Eastman Kodak Company. (See Tessier, Julien, assignor.)
- Eckhart, Charles F., Milwaukee, Wis. Lighting fixture. No. 1,405,674; Feb. 7.
- Eder, Josef B., Johannesburg, Transvaal, South Africa. Mine and like electric bell. No. 1,405,819; Feb. 7.
- Edwards, Clayton. (See Edwards, Welford G. and C.)
- Edwards, Daniel G., Hopkinsville, Ky. Air pump. No. 1,405,907; Feb. 7.
- Edwards, Daniel G., Hopkinsville, Ky. Running-board pump. No. 1,405,908; Feb. 7.
- Edwards, James M., New York, N. Y. Ventilating device. No. 1,405,820; Feb. 7.
- Edwards, Welford G. and C., Plainview, Minn. Milling and keyway-cutting attachment for lathes. No. 1,405,909; Feb. 7.
- Eger, Ernst, Detroit, Mich., assignor to Morgan & Wright. Bale cutter. No. 1,405,401; Feb. 7.
- Ehle, Homer F. (See Iverson, William H., assignor.)
- Ehrhart, Raymond N., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condensing apparatus. No. 1,405,821; Feb. 7.
- Eiler, Klaus, Sahrensdorf-on-Fehmarn, Holstein, Germany, assignor to P. Eiler, Germantown, Calif. Sound-damping door. No. 1,405,984; Feb. 7.
- Eiler, Peter. (See Eiler, Klaus, assignor.)
- Ekehorn, Sven A., assignor of one-half to D. B. Swartz, Milwaukee, Wis. Convertible body support. No. 1,405,768; Feb. 7.
- Ekstrand, Lars M., Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey. Rolling-mill guide. No. 1,405,985; Feb. 7.
- Elbertz, Frank V., assignor to B. F. Everitt Company, Detroit, Mich. Differential mechanism. No. 1,405,986; Feb. 7.
- Elcock, Robert, Johannesburg, Transvaal, South Africa. Combination lock. No. 1,405,987; Feb. 7.
- Elliott, Dargan P., Rimini, S. C. Machine for catching and destroying boll weevils. No. 1,405,573; Feb. 7.
- Elvin Mechanical Stoker Company. (See Fahnestock, Adam B., assignor.)
- Emerick, William H., Chicago, Ill. Door. No. 1,405,507; Feb. 7.
- Endres, Lawrence M. and M. A., Springfield Corners, Wis. Cartridge magazine. No. 1,405,508; Feb. 7.
- Endres, Michael A. (See Endres, Lawrence M. and M. A.)
- Enterprise Railway Equipment Company. (See Campbell, Argyle, assignor.)
- Eppler, John, Philadelphia, Pa. Pattern mechanism for machines for knitting lacework. No. 1,405,769; Feb. 7.
- Erdle, Reiner W., Weehawken, N. J., assignor to The Cold Light Manufacturing Company. Self-luminous chain pendant. No. 1,405,770; Feb. 7.
- Erickson, Albert W., New York, N. Y. Printing rule. No. 1,405,570; Feb. 7.
- Erickson, Alfred S., Ames, Iowa. Insect trap. No. 1,405,822; Feb. 7.
- Erickson, James V. E., assignor to Federal Sign System (Electric), Chicago, Ill. Gearing. No. 1,405,509; Feb. 7.
- Ernst, Friedrich C., New York, N. Y. Umbrella-rib-top retainer. No. 1,405,402; Feb. 7.
- Erwin, Verner E., Lima, Ohio. Game. No. 1,405,988; Feb. 7.
- Eschinger, Edward A., assignor of one-half to J. G. Clemmer, Philadelphia, Pa. Talking machine. No. 1,405,675; Feb. 7.
- Etrich, Ignaz, assignor to I. Etrich, Jr., Oberaltstadt, near Trautenau, Bohemia. Adjusting mechanism for the breaking rollers of flax-breaking machines. No. 1,405,989; Feb. 7.
- Etrich, Ignaz, assignor to I. Etrich, Jr., Oberaltstadt, near Trautenau, Bohemia. Scutching machine. No. 1,405,990; Feb. 7.
- Etrich, Ignaz, Jr. (See Etrich, Ignaz, assignor.)
- Evans, Fred, Summit, N. J., assignor of one-half to Hartshorne & Battelle, New York, N. Y. Tractor wheel. No. 1,405,823; Feb. 7.
- Evans, S. W. & Son. (See Evans, Wayne S., assignor.)
- Evans, Wayne S., assignor to S. W. Evans & Son, Philadelphia, Pa. Umbrella rib and stretcher. No. 1,405,824; Feb. 7.
- Evans, Thomas N., London, England. Interchangeable letter. No. 1,405,991; Feb. 7.
- Everett, Frederick J. (See Drum, J. B., and Everett.)
- Everett, John E., and T. R., Cochran, Ga. Internal-combustion engine. No. 1,405,403; Feb. 7.
- Everett, Thomas R. (See Everett, John E. and T. R.)
- Everitt, B. F., Company. (See Elbertz, Frank V., assignor.)
- Fageol, Rollie B., Oakland, Calif. Bumper support for motor vehicles. No. 1,405,676; Feb. 7.
- Fahnestock, Adam B., Great Neck, N. Y., assignor, by mesne assignments, to Elvin Mechanical Stoker Company, Wilmington, Del. No. 1,405,677; Feb. 7.
- Fair, Irvin E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cord fabric and means for making the same. No. 1,405,992; Feb. 7.
- Fargo, Charles R., Chicago, Ill., assignor to Wilson-Jones Loose-Leaf Company. Leaf-upsetting device. No. 1,405,993; Feb. 7.
- Favilla, John, New York, N. Y. Banjo. No. 1,405,771; Feb. 7.
- Federal Sign System (Electric). (See Erickson, James V. E., assignor.)
- Ferguson, Acheson, Belfast, Ireland. Block used for building purposes. No. 1,405,574; Feb. 7.
- Fine, Bernard M., East Orange, N. J. Internal-combustion engine and attachment therefor. No. 1,405,772; Feb. 7.
- Firestone Tire and Rubber Company, The. (See Myers, Carmon A., assignor.)
- Fisher, Joseph K., Santa Monica, Calif., assignor to J. E. Osgen, Mountainville, N. Y. Concrete insert. No. 1,405,994; Feb. 7.
- Fisher, William H., Los Angeles, and P. Chambers, Redondo Beach, Calif. Composition for treating iron and its alloys. No. 1,405,678; Feb. 7.
- Flannery, John L., assignor to The Boye Needle Company, Chicago, Ill. Cabinet. No. 1,405,825; Feb. 7.
- Flannery, Mary C., Denver, Colo. Sanitary closure for milk-can tops. No. 1,405,679; Feb. 7.
- Fleckenstein, Adelaide, guardian. (See Fleckenstein, Jackson.)
- Fleckenstein, Jackson, minor, Ionia, Mich.; A. Fleckenstein, guardian, assignor to Fleckenstein Visible Gasometer Company, Chicago, Ill. Measuring apparatus. No. 1,405,826; Feb. 7.
- Fleckenstein, Jackson, Ionia, assignor to Fleckenstein Visible Gasometer Company, Grand Rapids, Mich. Liquid measuring and dispensing apparatus. No. 1,405,827; Feb. 7.
- Fleckenstein Visible Gasometer Company. (See Fleckenstein, Jackson, assignor.)
- Flickinger, Harrison W., Dayton, Ohio. Guy-wire fitting. No. 1,405,828; Feb. 7.
- Flowers, John B., Albany, N. Y. Propeller. No. 1,405,910; Feb. 7.
- Flynn, Dennis J., New Brunswick, N. J. Wall construction. No. 1,405,995; Feb. 7.
- Folberth Auto Specialty Company, The. (See Folberth, William M., assignor.)
- Folberth, William M., assignor to The Folberth Auto Specialty Company, Cleveland, Ohio. Windshield-cleaning apparatus. No. 1,405,773; Feb. 7.
- Forbes, Walter S., Port Richmond, N. Y. Antirattler for windows and doors. No. 1,405,575; Feb. 7.
- Forsyth, George H., Chicago, Ill. Metal sash construction. No. 1,405,829; Feb. 7.
- Foster Machine Company. (See McKean, John O., assignor.)
- Frambach, Mathew J., Hartley, Iowa. Chain coupling. No. 1,405,830; Feb. 7.
- Freed, Eva S., et al. (See Leitch, James T., assignor.)
- Freed, Tilghman A., et al. (See Leitch, James T., assignor.)
- Freeze, Joseph C., Kansas City, Kans. Centrifugal diving apparatus. No. 1,405,996; Feb. 7.
- Fretz, Samuel S., Sr., Philadelphia, Pa. Connection of umbrella ribs and stretchers. No. 1,405,911; Feb. 7.
- Fric, José, Pigüé, Buenos Aires, Argentina. Self-propelled heading and thrashing harvester. No. 1,405,774; Feb. 7.
- Fricker, Anthony, Cleveland, Ohio. Street-flushing apparatus. No. 1,405,831; Feb. 7.
- Fried, Krupp Aktiengesellschaft. (See Lauer, Karl, assignor.)
- Fried, Krupp Aktiengesellschaft. (See Siepmann, A., and Radameyer, assignors.)
- Fried, Krupp Aktiengesellschaft Germaniawerft. (See Altr. Otto, assignor.)
- Friedmann, Firm of Alex. (See Blauhorn, Emanuel, assignor.)
- Friedman, Samuel, and M. Ohlbaum, New York, N. Y. Fiber comb. No. 1,405,576; Feb. 7.
- Friedrichs, Gottfried L. A., New York, N. Y. Apparatus for preserving perishable products. No. 1,405,775; Feb. 7.
- Fry, John, Portland, Oreg. Traffic signal. No. 1,405,997; Feb. 7.
- Fry, Walter L., Detroit, Mich., assignor, by mesne assignments, to Edward G. Budd Manufacturing Company. Automobile body and making same. No. 1,405,680; Feb. 7.
- G. & J. Tire Company. (See Jordan, T. A., and Caesber, assignors.)
- Gaines, Edward C., Montreal, Quebec, Canada. Door opener. No. 1,405,404; Feb. 7.
- Galvory, Frank W., et al. (See Bentley, Dozier T., assignor.)
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making rubber cylinders. No. 1,405,998; Feb. 7.
- Gane, Eustace H., New York, N. Y., assignor to McKesson & Robbins, Incorporated. Medicinal preparation. No. 1,405,999; Feb. 7.

- Gardner, John D., Gainesville, Fla. Running gear for vehicles. No. 1,406,000; Feb. 7.
- Garland, Claude M., Chicago, Ill. Shock absorber. No. 1,405,912; Feb. 7.
- Garrett, Carlton M., et al. (See Garrett, Myers A., assignor.)
- Garrett, Myers A., Chicago, Ill., assignor of one-half to C. D. Pettis and one-half to C. M. Garrett, New York, N. Y. Tank-car-dome covers. No. 1,405,577; Feb. 7.
- Garwood, William C., Dayton, Ohio, and C. P. Weber, Washington, D. C. Air-compression starter. No. 1,405,913; Feb. 7.
- Gasau-Thompson Company. (See McKellar, Judson L., assignor.)
- Gates, Louis W., assignor to Turnstedt Manufacturing Co., Detroit, Mich. Window regulator. No. 1,405,510; Feb. 7.
- Geiger, William A., Chicago, Ill., assignor to W. H. Miner. Chazy, N. Y. Antifriction bearing. No. 1,405,681; Feb. 7.
- Gendel, Harry, assignor to A. M. Docter, Chicago, Ill. Outer garment. No. 1,405,405; Feb. 7.
- General Electric Company. (See Hall, Chester I., assignor.)
- General Electric Company. (See Spurck, Robert M., assignor.)
- General Fire Extinguisher Company. (See Meadowcraft, John R., assignor.)
- General Research Laboratories. (See Moisant, Alfred J., assignor.)
- Genter, Albert L., Salt Lake City, Utah, assignor to United Filters Corporation, New York, N. Y. Filtering apparatus. No. 1,405,406; Feb. 7.
- Gentzel, Perry H., Newton, Mass. Throttle valve. No. 1,405,833; Feb. 7.
- Gentzel, Perry H., Newton, Mass. Water-level indicator for boilers. No. 1,405,832; Feb. 7.
- Gill, Frank, Chicago, Ill. Airship. No. 1,405,407; Feb. 7.
- Gish, John L., South Bend, Ind. Duplex valve. No. 1,405,578; Feb. 7.
- Gleason, James E., assignor to Gleason Works, Rochester, N. Y. Gear-cutting machine. No. 1,406,001; Feb. 7.
- Gleason Works. (See Gleason, James E., assignor.)
- Glendon, John, Malden, Mass. Folding machine. No. 1,405,776; Feb. 7.
- Good Inventions Co. (See Good, John, assignor.)
- Good, John, assignor to Good Inventions Co., Brooklyn, N. Y. Carbureting apparatus. No. 1,405,777; Feb. 7.
- Goodman, Joseph, Hayes, England. Protective means for electrical apparatus having windings. No. 1,406,002; Feb. 7.
- Goodrich, B. F., Company, The. (See Fair, Irvin E., assignor.)
- Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)
- Goodrich, B. F., Company, The. (See Hoffman, Harry A., assignor.)
- Goodwin, Hall, Chicago, Ill. Renewable fuse. No. 1,405,682; Feb. 7.
- Goodyear's Metallic Rubber Shoe Company, The. (See Randall, C. J., and Taylor, assignors.)
- Goodyear's Metallic Rubber Shoe Company, The. (See Randall, Chester J., assignor.)
- Gordon, Fred W., assignor to Nash Receiver Sight Corporation, New York, N. Y. Sight for firearms. No. 1,405,834; Feb. 7.
- Graham, Malcolm J., Beaumont, Tex. Monolithic wall. No. 1,405,579; Feb. 7.
- Gravenhorst, Otto, and L. Hölzl, Buenos Aires, Argentina. Refillable multiple fuse. No. 1,405,778; Feb. 7.
- Green, Richard D., assignor to John A. Roebling's Sons Company, Trenton, N. J. Wire rope. No. 1,405,835; Feb. 7.
- Green, Richard D., assignor to John A. Roebling's Sons Company, Trenton, N. J. Wire rope. No. 1,405,836; Feb. 7.
- Green, Richard D., assignor to John A. Roebling's Sons Company, Trenton, N. J. Wire rope. No. 1,405,837; Feb. 7.
- Green, Richard D., assignor to John A. Roebling's Sons Company, Trenton, N. J. Wire rope. No. 1,405,838; Feb. 7.
- Green, Samuel G., U. S. Army. Gun sight. No. 1,405,580; Feb. 7.
- Greene, Stanley R., assignor of one-half to D. T. Croxton, Cleveland, Ohio. Tuvrey stock. No. 1,405,683; Feb. 7.
- Grierson, Paul S., South Orange, N. J., and S. N. Mead, Brooklyn, N. Y., assignors to Chas. Cory & Son, Incorporated, New York, N. Y. Ship signaling apparatus. No. 1,405,839; Feb. 7.
- Griesemer, Bernard J., et al. (See Walter, William L., assignor.)
- Griffith, R. A., et al. (See Kelley, Benjamin F., assignor.)
- Griffith, Richard H., assignor to The Ohio Cultivator Company, Bellevue, Ohio. Implement pulverizer disk. No. 1,405,581; Feb. 7.
- Griffith, Thomas A., Kansas City, Mo. Driving mechanism. No. 1,405,408; Feb. 7.
- Griscom Russell Company, The. (See Brown, Stanley, assignor.)
- Griscom Russell Company, The. (See Nelson, E. H., and Dewald, assignors.)
- Grus, William, Jr., Chicago, Ill. Leaf-spring lubricator. No. 1,405,582; Feb. 7.
- Gulf Refining Company. (See McAfee, Almer M., assignor.)
- Gustafson, Harold E., Harcourt, Iowa. Mail-box signal. No. 1,405,583; Feb. 7.
- Habben, John F., et al. (See Ackerman, H. F., and Habben.) Feb. 7.
- Hagen, Joseph F., Chicago, Ill. Burner. No. 1,406,003; Feb. 7.
- Hagemueller, Herbert E., Jersey City, N. J. Bench vise. No. 1,405,840; Feb. 7.
- Hahnemann, Paul R., assignor to The Pack, Stow & Wilcox Company, Southington, Conn. Metal-working machine. No. 1,406,004; Feb. 7.
- Haines, Allen K., East St. Louis, Ill. Climeter. No. 1,405,841; Feb. 7.
- Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Recording stylus. No. 1,405,409; Feb. 7.
- Halseth, Edwin A., assignor of one-fourth to E. Roe. Clearbrook, and one-fourth to O. L. Halseth, Bagley, Minn. Sleigh. No. 1,405,779; Feb. 7.
- Halseth, Otto L., et al. (See Halseth, Edwin A., assignor.)
- Halvorson, Cromwell A. B., Jr., Lynn, Mass. Headlight reflector. No. 1,405,410; Feb. 7.
- Hamacek, Adolph E., Chicago, Ill. Ship. No. 1,405,684; Feb. 7.
- Hamachek, Frank, Kewaunee, Wis. Screen drum for viners. No. 1,405,914; Feb. 7.
- Hamer, John T. (See Howard, Eldon C., assignor.)
- Hamilton, John R., Yonkers, assignor to Sypho Chemical Sprinkler Corporation, New York, N. Y. Automatic pumping sprinkler system. No. 1,405,411; Feb. 7.
- Hammond, Grant, New Haven, Conn., assignor of one-third to A. C. Washburne, Pittsfield, and one-third to F. G. Crane, Dalton, Mass. Magazine catch and release. No. 1,405,685; Feb. 7.
- Hanson, Bengt M. W., Hartford, Conn. Fishing reel. No. 1,406,005; Feb. 7.
- Hanson, Bengt M. W., Hartford, Conn. Tool holder. No. 1,406,006; Feb. 7.
- Hanson, Lucy V., Leesburg, Fla. Garment hanger. No. 1,406,007; Feb. 7.
- Hanway, Thomas F., Chicago, Ill. Spark plug. No. 1,405,686; Feb. 7.
- Hapgood, Frank H., Stevenson, Wash. Hame and trace connector. No. 1,406,008; Feb. 7.
- Hardesty, Chester C., Cleveland, Ohio. Adjustable sign bracket. No. 1,405,842; Feb. 7.
- Hardy, Charles S., San Diego, Calif. Apparatus for cooling lard, etc. No. 1,405,584; Feb. 7.
- Hardy, George, assignor to The Mills Works & Machinery Limited, Pont Rouge, Quebec, Canada. Paste regulator for paper-making machines. No. 1,406,009; Feb. 7.
- Harle, Balwin, et al. (See Smith, Charles P., assignor.)
- Harris, Gordon D., Islip, assignor to National Evaporator Corporation, New York, N. Y. Apparatus for evaporating moisture-containing materials. No. 1,405,780; Feb. 7.
- Harris, Gordon D., Freeport, assignor to National Evaporator Corporation, New York, N. Y. Conveyer drying apparatus. No. 1,405,781; Feb. 7.
- Hartford-Fairmont Company. (See Lorenz, E. H., and Peiler, assignors.)
- Hartford-Fairmont Company. (See Peiler, Karl E., assignor.)
- Hartshorne & Battelle. (See Evans, Fred, assignor.)
- Haskel, Fred, Detroit, Mich. Universal card holder. No. 1,405,915; Feb. 7.
- Hastie, Thomas H. (See Rouch, J. A., and Hastie.)
- Haugwitz, Rudolf, Friedrichshagen, near Berlin, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Azo dyes. No. 1,405,687; Feb. 7.
- Haynes, Jack M., Frost, Tex. Stalk-cutter attachment. No. 1,405,782; Feb. 7.
- Heatwole, Isaac N., Dalton, Ohio. Garment fastener. No. 1,405,688; Feb. 7.
- Heatwole, Timothy O., Baltimore, Md. Tongue guard. No. 1,405,689; Feb. 7.
- Heenan, William B., Columbus, Ohio. Adjustable tractor hitch. No. 1,405,916; Feb. 7.
- Heintz, Carl M., et al. (See Wolfe, Cyrus H., assignor.)
- Heintz, L. R., et al. (See Wolfe, Cyrus H., assignor.)
- Helmold, William F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,405,412; Feb. 7.
- Helmold, William F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,405,413; Feb. 7.
- Henderson, George A., St. Albans, W. Va. Aeroplane. No. 1,405,917; Feb. 7.
- Henderson, George M., Farrell, Pa. Reel. No. 1,406,010; Feb. 7.
- Hepburn Decarbonizer Company. (See Hepburn, Donald M., assignor.)
- Hepburn, Donald M., Akron, Ohio, assignor to Hepburn Decarbonizer Company, New York, N. Y. Decarbonizing valve for internal-combustion engines. No. 1,405,843; Feb. 7.
- Herold, Walter F., Newark, N. J., assignor to The Bassick Company, Bridgeport, Conn. Caster wheel. No. 1,405,585; Feb. 7.

- Herr, Shirl, assignor to Crawfordsville Seed Company, Crawfordsville, Ind. Seed-reclaiming process. No. 1,405,690; Feb. 7.
- Herviz, Richard, Chicago, Ill., assignor to American Car and Foundry Company, New York, N. Y. Drill-twisting machine. No. 1,405,414; Feb. 7.
- Heymann, R. D. (See Vanderbrouk, Harry A., assignor.)
- Hieatzman, Arthur H., assignor of two-fifths to W. C. Ludwig, Baltimore, Md. Gas-supplying system for automobile engines. No. 1,405,918; Feb. 7.
- Hill, Konsta. (See Tervo, Oscar, assignor.)
- Hill, Myron F., New York, N. Y. Ship. No. 1,405,844; Feb. 7.
- Himmel, Solomon. (See Woltz, Albert M., assignor.)
- Hinchman, Alva K., assignor, by mesne assignments, of one-fourth to C. H. Quimby and one-fourth to C. H. Morton, Philadelphia, Pa. Expansion valve and governor. No. 1,406,014; Feb. 7.
- Hinchman, Alva K., assignor of one-fourth to C. H. Morton and one-fourth to C. H. Quimby, Philadelphia, Pa. Governor valve. No. 1,406,011; Feb. 7.
- Hinchman, Alva K., assignor of one-fourth to C. H. Morton, and one-fourth to C. H. Quimby, Philadelphia, Pa. Governor valve. No. 1,406,012; Feb. 7.
- Hinchman, Alva K., assignor of one-fourth to C. H. Morton, and one-fourth to C. H. Quimby, Philadelphia, Pa. Governor valve for steam engines. No. 1,406,013; Feb. 7.
- Hinchman, Alva K., assignor of one-fourth to C. H. Morton, and one-fourth to C. H. Quimby, Philadelphia, Pa. Governor valve. No. 1,406,015; Feb. 7.
- Hindmarsh, Percy J., Lincoln, Nebr. Fencepost. No. 1,405,586; Feb. 7.
- Hirshfeld, Morris, Brooklyn, N. Y. Laminated fabric. No. 1,405,511; Feb. 7.
- Hochberg, Oscar, assignor to American Car and Foundry Company, New York, N. Y. General-service railway car. No. 1,405,415; Feb. 7.
- Hodely, John, Shingleton, Mich. Cushion tire. No. 1,406,016; Feb. 7.
- Hodgkinson, William, et al. (See Rathman, Gilbert, assignor.)
- Hoffman, Harry A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Treating golf balls. No. 1,405,845; Feb. 7.
- Holle, August, Düsseldorf, assignor to Maschinenbau-Aktiengesellschaft Balcke, Bochum, Germany. Preventing the deposition of scale or sludge from the cooling water in surface steam condensers. No. 1,405,783; Feb. 7.
- Höllrigl, Luis. (See Gravenhorst, O., and Höllrigl.)
- Holmes, Charles W. (See Holmes, Robert E. L., and C. W.)
- Holmes, Robert E. L., Philadelphia, Pa., and C. W. Holmes, New York, N. Y., assignors to Keystone Driller Company, Beaver Falls, Pa. Sucker rod. No. 1,406,017; Feb. 7.
- Hopkins, Jesse T., Kansas City, Mo. Clamping tool. No. 1,405,587; Feb. 7.
- Hopkins, Morton K., assignor to J. L. Kennedy, Chicago, Ill. Fusible link. No. 1,405,512; Feb. 7.
- Hopkins, Morton K., assignor to J. L. Kennedy, Chicago, Ill. Fusible link. No. 1,405,588; Feb. 7.
- Howard, Eldon C., assignor of one-half to J. T. Hamer, The Plains, Ohio. Mechanical starter for gas motors or internal-combustion engines. No. 1,406,018; Feb. 7.
- Howell, Clement J., and L. B. Odson, Spokane, Wash. Curtain rod. No. 1,405,416; Dec. 7.
- Howieson, Alida B., administratrix. (See Howieson, John T.)
- Howieson, Alida B. (See Howieson, John T., assignor.)
- Howieson, John T., deceased, Rochester, N. Y. B. Howieson, administratrix, assignor to A. B. Howieson, Flushing, N. Y. Computing mechanism. No. 1,405,589; Feb. 7.
- Hruska, Joseph W., Mankato, Minn. Road drag. No. 1,406,019; Feb. 7.
- Hudson, Moulton L., Canton, N. C. Adjustable pulley. No. 1,405,590; Feb. 7.
- Hufstедler, Laurence P., Tulsa, Okla. Attachment for pipe machines. No. 1,405,784; Feb. 7.
- Hughes, Levi P., Hoboken, N. J., assignor, by mesne assignments, to Hughes Machine Corporation, New York, N. Y. Multiform printing press. No. 1,405,513; Feb. 7.
- Hughes, Levi P., Hoboken, N. J. Printing press. No. 1,405,515; Feb. 7.
- Hughes, Levi P., Hoboken, N. J., assignor to Hughes Machine Corporation, New York, N. Y. Sheet-registering device. No. 1,405,514; Feb. 7.
- Hughes Machine Corporation. (See Hughes, Levi P., assignor.)
- Hughes, William K., et al. (See Kelley, Benjamin F., assignor.)
- Humphreys, Charles A., Chicago, Ill. Tip for belts and straps. No. 1,405,516; Feb. 7.
- Hunter, Joseph H., Detroit, Mich. Nonstretchable cord. No. 1,405,591; Feb. 7.
- Hunter, W. Irvin. (See Snively, Wilson J., assignor.)
- Hurl, Charles W., Nantyglo, assignor to J. W. Kephart and J. W. Leech, Ebensburg Borough, Pa. Automatic release valve for air-brake systems. No. 1,406,020; Feb. 7.
- Icke, Stanley C. (See Miller, R., and Icke.)
- Ihmels, Diedrich, Hanover, Germany. Portable kiosk for selling newspapers, books, or other articles. No. 1,406,021; Feb. 7.
- Inforati, Matteo E., Jr., assignor to J. N. Lapointe Co., New London, Conn. Broaching machine. No. 1,406,022; Feb. 7.
- Intertype Corporation. (See Pierson, Edwin W., assignor.)
- Isidor, Joseph S., Newark, N. J., assignor to The R. Neumann Hardware Co. Bag-frame lock. No. 1,405,919; Feb. 7.
- Ito, Umekichi, New York, N. Y. Walking doll. No. 1,406,023; Feb. 7.
- Iverson, William H., Osceola, Wis., assignor of one-half to H. F. Ehle, Minneapolis, Minn. Bag holder. No. 1,405,846; Feb. 7.
- Jackson, William S., Ridgewood, N. J., assignor to H. B. Thurston, Pittsburgh, Pa. Low-water alarm. No. 1,406,024; Feb. 7.
- Jacobson, Era C., assignor, by mesne assignments, to American Steam Truck Company, Chicago, Ill. Fuel-burning apparatus. (Reissue.) No. 15,281; Feb. 7.
- James, Russel E., Burkburnett, Tex. Headlight. No. 1,406,025; Feb. 7.
- Jansson, Arvid, Brooklyn, N. Y. Map meter. No. 1,405,417; Feb. 7.
- Jensenius, Herman A., Philadelphia, Pa. Accumulator safety valve. No. 1,406,026; Feb. 7.
- Johns-Manville, Inc. (See Carson, Clarence, assignor.)
- Johnson, Axel, Oakland, assignor to American Can Company, San Francisco, Calif. Method and apparatus for cutting and applying gasket liners to can ends. No. 1,405,592; Feb. 7.
- Johnson, Charles E., Muskegon, Mich. Machining out-of-round piston-ring castings. No. 1,405,517; Feb. 7.
- Johnson, George D., deceased; L. Johnson, administratrix, Chicago, Ill. Computing device. No. 1,405,847; Feb. 7.
- Johnson, Joseph, Lebanon, Pa. Chain-link-forming device. No. 1,405,785; Feb. 7.
- Johnson, Louise, administratrix. (See Johnson, George D.)
- Johnston, Richard L., and J. S. Wallner, assignors to Bergman-Koropp & Co., Inc., Chicago, Ill. Decorative plant product. No. 1,405,786; Feb. 7.
- Jordan, Thomas A., and A. E. Caesber, Indianapolis, Ind., assignors to G. & J. Tire Company. Method and apparatus for wrapping uncured tubes from cured tubes. No. 1,405,418; Feb. 7.
- Joy, Joseph F., Pittsburgh, Pa. Conveyer. No. 1,405,419; Feb. 7.
- Justice, Ithamar M., and G. A. Willigman, Dayton, Ohio. Apparatus for baking material (downdraft kilns). No. 1,405,593; Feb. 7.
- Kabitting, Bernard R., Oakland, Calif. Nailing implement. No. 1,406,027; Feb. 7.
- Kamper, Leslie H., V. E. Adland, and W. Bartholomew, Chicago, Ill. Dry-room tumbler. No. 1,405,594; Feb. 7.
- Kapferer, Henri, Paris, assignor to La Societe Astra, Billancourt, France. Liquid-elevating apparatus. No. 1,405,595; Feb. 7.
- Karle, John D., Roselle Park, assignor to Diehl Manufacturing Company, Elizabeth, N. J. Brush holder. No. 1,405,596; Feb. 7.
- Kasley, Alexander T., Tinicum township, Delaware county, Pa., assignor to Westinghouse Electric & Manufacturing Co. Locomotive. No. 1,405,848; Feb. 7.
- Kaszinski, Benedykt A., Fairfield, Conn. Article of furniture. No. 1,405,420; Feb. 7.
- Keck, George E., Kansas City, Mo., and F. K. Cuddy, Amarillo, Tex. Work garment. No. 1,405,421; Feb. 7.
- Keever Starch Company, The. (See McVeigh, Edgar N., assignor.)
- Keller, John F., Ottoville, Ohio. Rat trap. No. 1,406,028; Feb. 7.
- Kelley, Benjamin F., assignor of one-fourth to R. A. Griffith, one-fourth to T. J. McKinney, Tulsa, Okla., and one-fourth to W. K. Hughes, St. Louis, Mo. Socket. No. 1,406,029; Feb. 7.
- Kelly, John F., assignor to Thomas Maddock's Sons Co., Trenton, N. J. Lavatory. No. 1,406,030; Feb. 7.
- Kelsey Wheel Company. (See Booth, William N., assignor.)
- Kennedy, Davis S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical distributing machine. No. 1,405,518; Feb. 7.
- Kennedy, Howard L., Van Wert, Ohio. Metal tool kit for mechanics. No. 1,405,422; Feb. 7.
- Kennedy, John L. (See Hopkins, Morton K., assignor.)
- Kephart, J. W., et al. (See Hurl, Charles W., assignor.)
- Kerr, Harry E., and E. C. Ahlheim, assignor to The Ahlheim Company, Cleveland, Ohio. Aluminum rolling pin. No. 1,405,920; Feb. 7.
- Kettering, Charles F., and W. A. Chryst, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company. Brush mounting. No. 1,405,519; Feb. 7.
- Keystone Driller Company. (See Holmes, Robert E. L. and C. W., assignors.)
- Kievan, George M., Kansas City, Mo. Current motor. No. 1,406,031; Feb. 7.
- King, Frederick W., New York, N. Y., assignor to Julius King Optical Company. Goggles. No. 1,405,787; Feb. 7.
- King, John Y., Lansdowne, Pa. Air-feeding device. No. 1,405,520; Feb. 7.
- King, Julius, Optical Company. (See King, Frederick W., assignor.)

- King, Percival F., Shreveport, La. Plier wrench. No. 1,406,032; Feb. 7.
- Kingston, Alfred P., Little Falls, N. Y. Shoe and sole therefor. No. 1,406,033; Feb. 7.
- Kipniss, Abraham, Arverne, N. Y., assignor to Progressive Machine and Metal Products Co., Inc. Drill chuck. No. 1,405,921; Feb. 7.
- Kirby, James B., Cleveland, Ohio. Valve-operating device for internal-combustion engines. No. 1,405,597; Feb. 7.
- Kirkwood, Charles A., Chicago, Ill. Gas plate. No. 1,405,521; Feb. 7.
- Kloetzer, Otto F., Washington, Ind. Flag holder and classification lamp. No. 1,406,034; Feb. 7.
- Klug, Louis E., assignor to Rub-Tex Products, Inc., Indianapolis, Ind. Manufacture of rubber jars. No. 1,406,160; Feb. 7.
- Knowles, Carroll, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Wheel guard for grinding machines. No. 1,405,922; Feb. 7.
- Kohler, Ernest, Denver, Colo., assignor to The United Mines and Manufacturing Company. Amusement device, (revolving walking beam.) No. 1,405,923; Feb. 7.
- Kohlhaas, Herman T., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Vibration detector. No. 1,405,849; Feb. 7.
- Komarek, Gustav, Chicago, Ill., assignor, by mesne assignments, to Malcolmson Engineering and Machine Corporation, St. Louis, Mo. Briquet machine. No. 1,405,788; Feb. 7.
- Krakauer, Samuel. (See Marcus, S. S., and Krakauer.)
- Kramer, Fred M., San Francisco, Calif. Course corrector. No. 1,405,598; Feb. 7.
- Kuechler, Hermann F. (See Bunk, C., and Kuechler.)
- Kuehner, Arthur T., Elkridge, Md. Removing crane for locomotive smoke-box fronts. No. 1,405,555; Feb. 7.
- Kulick, Abraham, New York, N. Y. Hand bag. No. 1,406,035; Feb. 7.
- Küpper, Ernst. (See Rychiger, R., and Küpfer.)
- Kyakuto Jidoshia Kogyo Co. (See Watanabe, Masanori, assignor.)
- La Societe Astra. (See Kapferer, Henri, assignor.)
- La Sté Ame "La Cellophane." (See Brandenberger, Jaques E., assignor.)
- Lake, Charles W., McPherson, Kans. Attachment for pumps. No. 1,406,036; Feb. 7.
- Lancia & C. (See Zeppegno, Rodolfo, assignor.)
- Landers, Frary & Clark. (See Curtiss, George E., assignor.)
- Lane, Charles B., Knoxville, Tenn., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. No. 1,405,522; Feb. 7.
- Lane, Franklin L., assignor to P. B. Yates Machine Company, Beloit, Wis. Board guide. No. 1,405,599; Feb. 7.
- Langford, James E., Kin Kin, Cooran, Queensland, Australia. Fireplace. No. 1,406,037; Feb. 7.
- Lanning, Charles D., Boston, Mass. Mobile support for suction cleaner apparatus. No. 1,405,924; Feb. 7.
- Lansdown, Samuel C. and Philip Magnus, North Fitzroy, near Melbourne, Victoria, Australia. Treatment and utilization of scrap or waste leather. No. 1,405,600; Feb. 7.
- Lapointe, J. N., Co. (See Inforati, Matteo E., Jr., assignor.)
- Larsen, Herman and P., Lake View, Mich. Ice fishing indicator. No. 1,406,038; Feb. 7.
- Larsen, Peter. (See Larsen, Herman and P.)
- Larson, Charles, Burlington, Iowa. Saw handle and blade connection. No. 1,405,925; Feb. 7.
- Larson, Lawrence O., Minneapolis, Minn. Line fastener. No. 1,405,423; Feb. 7.
- Latour, Marius C. A., Paris, France. Audion or lamp relay or amplifying apparatus. No. 1,405,523; Feb. 7.
- Lau, Frederick J., assignor to Worcester Metal Goods Co., Waterbury, Conn. Bag fastener. No. 1,405,524; Feb. 7.
- Lauer, Karl, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Measuring instrument. No. 1,405,926; Feb. 7.
- Lauer, Karl, Karlskoga, Sweden, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Measuring instrument. No. 1,405,711; Feb. 7.
- Lauth, Jacob, Chicago, Ill. Clutch mechanism. No. 1,405,927; Feb. 7.
- Le Cain, John A., Malden, Mass., assignor to Worthington Pump and Machinery Corporation. Valve. No. 1,405,525; Feb. 7.
- Lee, Sidney, Broken Arrow, Okla. Twine holder. No. 1,405,526; Feb. 7.
- Lee, Thomas L., assignor to North East Electric Company, Rochester, N. Y. Electric system for motor vehicles. No. 1,406,039; Feb. 7.
- Leech, J. W., et al. (See Hurl, Charles W., assignor.)
- Lehman, William C., Cannelton, Ind. Roundabout. No. 1,406,040; Feb. 7.
- Lehto, Kusti, Maynard, Mass. Photographic copying and enlarging apparatus. No. 1,406,041; Feb. 7.
- Leitch, James T., assignor of two-fifths to T. A. Freed and E. S. Freed, Allentown, Pa. Phonograph. No. 1,406,042; Feb. 7.
- Lester, George W., Daleview, Mont. Lock nut. No. 1,406,043; Feb. 7.
- Levy, Harold, New York, N. Y. Note holder. No. 1,405,850; Feb. 7.
- Levy, Henri G., San Francisco, Calif., assignor to R. H. Butters, Atlanta, Ga. Tire lock. (Reissue.) No. 15,282; Feb. 7.
- Lewis, Frederick W., assignor to Chapin & Hollister Co., Providence, R. I. Chain. No. 1,405,851; Feb. 7.
- Lewis, Harrison, Los Angeles, Calif. Adjustable handle. No. 1,405,712; Feb. 7.
- Lewis, Lloyd V., Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling system. No. 1,405,527; Feb. 7.
- Libby, Lewis L., Plainfield, assignor to H. T. Shriver, West Orange, N. J. Transmission-band lining. No. 1,405,601; Feb. 7.
- Lichtenberger, Joseph A., assignor of one-third to T. E. Chigov and one-third to C. H. Wilson, New York, N. Y. Drawer-knob-fastening means. No. 1,405,528; Feb. 7.
- Lindberg, John F., Chicago, Ill. Steam generator. No. 1,406,044; Feb. 7.
- Lindsey, Thomas H., et al. (See Morse, Robert B., assignor.)
- Lipp, Elmer L., et al. (See Stephens, Richard M., assignor.)
- Lippman, Louis G., Yonkers, N. Y., and F. E. Dixon, Scotch Plains, N. J. Water heater. No. 1,405,789; Feb. 7.
- Lockwood, Nelson A., Ogden, Utah. Knife-setting machine. No. 1,405,790; Feb. 7.
- Loeb-Strongson Corporation. (See Strongson, Herman L., assignor.)
- Lorenz, Edward H., and K. E. Peiler, Hartford, Conn., assignors to Hartford-Fairmont Company, Canajoharie, N. Y. Glassware-ejecting mechanism. No. 1,406,045; Feb. 7.
- Loveland, Theodore O., Iowa City, Iowa. Sound recording and reproducing machine. No. 1,406,046; Feb. 7.
- Ludwig, William C. (See Heatzman, Arthur H., assignor.)
- Luse, Ruby, (now by marriage Ruby L. Claar,) Chicago, Ill. Thimble. No. 1,405,928; Feb. 7.
- Lynch, John H., et al. (See Carlson, Ivar, assignor.)
- McCafee, Almer M., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburg, Pa. Manufacture of aluminum chloride. No. 1,405,734; Feb. 7.
- McBee Binder Co., The. (See McBee, Charles F., assignor.)
- McBee, Charles F., Athens, Ohio, assignor to The McBee Binder Co. Back for loose-leaf files. No. 1,405,602; Feb. 7.
- McCandless, Lewis W., Chicago, Ill. Pencil lead. No. 1,405,791; Feb. 7.
- McCorkel, Harry, Laporte, Ind. Appliance for foundry molds. No. 1,405,929; Feb. 7.
- McCulloch, Eldrige V., Hutchinson, Kans. Intake heater for gasoline engines. No. 1,406,048; Feb. 7.
- McDonough, Robert H., Detroit, Mich. Transmission lock for motor vehicles. No. 1,405,603; Feb. 7.
- McFarland, Harvey P., Burlington, Iowa, assignor of one-half to C. W. Baldrige, Chicago, Ill. Rail anchor. No. 1,405,604; Feb. 7.
- McGee, John C., New York, N. Y. Ripping device. No. 1,405,529; Feb. 7.
- McGrath, John T., Bloomington, Ill. Tube cleaner. No. 1,405,930; Feb. 7.
- McIlroy, Francis B., Hammond, Ind. Transmission lining. No. 1,406,049; Feb. 7.
- McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Device for guiding, clearing, and tensioning yarn. No. 1,405,792; Feb. 7.
- McKellar, Judson L., assignor to Gasau-Thompson Company, Inc., Brooklyn, N. Y. Convertible chair and couch. No. 1,405,931; Feb. 7.
- McKesson & Robbins, Incorporated. (See Gane, Eustace H., assignor.)
- McKinney, Thomas J., et al. (See Kelley, Benjamin F., assignor.)
- McVeigh, Edgar N., assignor to The Keever Starch Company, Columbus, Ohio. Producing laundry starch. No. 1,406,050; Feb. 7.
- Maag, Max, and E. Buchter, Zurich, Switzerland. Device for tightening bands of rolls simultaneously and equally. No. 1,405,852; Feb. 7.
- MacCormack, David D. (See Collins, F., and MacCormack.)
- Macnicol, Arnold N., Melbourne, Victoria, Australia. Apparatus for distributing materials. No. 1,405,731; Feb. 7.
- Maddock's, Thomas Sons Co. (See Kelly, John F., assignor.)
- Madison, George E., Muskegon, Mich., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Lathe tool. No. 1,405,605; Feb. 7.
- Magnus, Philip. (See Lansdown, S. C., and Magnus.)
- Mahler, William H., Newark, N. J. Deriving hydrazobenzol and its homologues. No. 1,405,732; Feb. 7.
- Mahler, William H., Newark, N. J. Chemical apparatus. No. 1,405,733; Feb. 7.
- Majestic Electric Development Company. (See Shoenberg, Milton H., assignor.)
- Major, Albert, Shenandoah, Pa. Electric signaling system for mines. No. 1,405,853; Feb. 7.
- Malcolmson Engineering and Machine Corporation. (See Komarek, Gustav, assignor.)
- Manley, Charles E., et al. (See Stephens, Richard M., assignor.)
- Manners, Charles E., Glenville Glen Crafters, South Australia, Australia. Spring. No. 1,405,606; Feb. 7.

- Manning, Maxwell & Moore, Inc. (See Madison, George E., assignor.)
- Manson, William C., et al. (See Morse, Robert B., assignor.)
- Marcus, Samuel S., New York, and S. Krakauer, Brooklyn, N. Y. Spring pad. No. 1,406,051; Feb. 7.
- Marko, Louis, assignor of one-fourth to S. P. Nemeth, one-fourth to M. Psotka, and one-fourth to D. A. Scheibenzuber, Dayton, Ohio. Electric-lighted vanity case. No. 1,405,532; Feb. 7.
- Markovich, Joseph J., Uniontown, Pa. Rail-tie chair. No. 1,405,607; Feb. 7.
- Marshall, Edmund, Detroit, Mich. Hour-guide calendar. No. 1,405,793; Feb. 7.
- Martin, Harry E., Auburn, Me., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. No. 1,405,530; Feb. 7.
- Martin, Richard W., et al. (See Matthiasen, Matthias, assignor.)
- Maschinenbau - Aktiengesellschaft Balcke. (See Holle, August, assignor.)
- Matson, Charles L., Chicago, Ill. Safety-razor motor and the like. No. 1,405,794; Feb. 7.
- Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Sectional insulator. No. 1,405,608; Feb. 7.
- Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. No. 1,405,609; Feb. 7.
- Matthiasen, Matthias, assignor of one-third to R. W. Martin and one-third to T. L. Rodda, San Pedro, Calif. Cask handler. No. 1,406,052; Feb. 7.
- Maull, Edward N., assignor of one-half to H. C. Ploof, Jacksonville, Fla. Stripper and huller. No. 1,405,610; Feb. 7.
- Maynard, Albert E., assignor to American Optical Company, Southbridge, Mass. Grinding tool. No. 1,405,424; Feb. 7.
- Maynard, Albert E., assignor to American Optical Company, Southbridge, Mass. Spectacle-frame machinery. No. 1,406,053; Feb. 7.
- Mayo, Benjamin F. (See Clary, B. N., and Mayo.)
- Mead, Samuel N. (See Grierson, P. S., and Mead.)
- Meadowcroft, John R., Montreal, Quebec, Canada, assignor, by mesne assignments, to General Fire Extinguisher Company, New York, N. Y. Sprinkler. No. 1,405,611; Feb. 7.
- Measograph Company, The. (See Wheeler, John L., assignor.)
- Meier, Charles, Haverhill, Iowa. Pneumatic organ player. No. 1,405,932; Feb. 7.
- Meili-Blumberg Company, The. (See Meili, O., and Blumberg, assignors.)
- Meili, Otto, and P. Blumberg, assignors to The Meili-Blumberg Company, Inc., New Holstein, Wis. Steering-gear-control attachment. No. 1,405,854; Feb. 7.
- Mentzer, John P., Chicago, Ill. Fuse device. No. 1,405,533; Feb. 7.
- Menzenwerth, Erwin G., St. Louis, Mo. Piston ring. No. 1,406,054; Feb. 7.
- Mergenthaler Linotype Company. (See Kennedy, David S., assignor.)
- Merrell, Irving S., assignor to Merrell-Soule Company, Syracuse, N. Y. Condensing apparatus. No. 1,406,055; Feb. 7.
- Merrell-Soule Company. (See Merrell, Irving S., assignor.)
- Merritt, Matthew M., South Middleton, assignor to Merritt Metals Company, Salem, Mass. Electrolytically-coated wire. No. 1,405,534; Feb. 7.
- Merritt, Matthew M., Middleton, assignor to Merritt Metals Company, Salem, Mass. Electrolytically-coated wire. No. 1,405,535; Feb. 7.
- Merritt Metals Company. (See Merritt, Matthew M., assignor.)
- Meyer, Ludwig F., Cleveland, Ohio. Wrench. No. 1,405,795; Feb. 7.
- Michael, Alfred, assignor to Eagle Pencil Company, New York, N. Y. Pencil. No. 1,406,056; Feb. 7.
- Middlemiss, Bruce A., Chuquiqui Camata, Chile, assignor to Chile Exploration Company, New York, N. Y. Excavating machinery. No. 1,405,796; Feb. 7.
- Mikshel, John J., Chicago, Ill., assignor to J. T. Ryerson & Son, Flue-cleaning machine. No. 1,406,047; Feb. 7.
- Miller, Emmett M., Bassett, Nebr. Variable-speed gearing. No. 1,405,713; Feb. 7.
- Miller, Ralph, Birmingham, and S. C. Icke, Acocks Green, near Birmingham, England. Tool holder for lathes, shaping, planing, and other like machines. No. 1,405,714; Feb. 7.
- Miller Rubber Company, The. (See Ofensend, Chase F., assignor.)
- Miller, Thomas S., South Orange, N. J. Towing engine. No. 1,405,612; Feb. 7.
- Milliken, Humphreys, New York, N. Y. Apparatus for extracting dust and fume from gases or air in which they are carried in suspension. No. 1,405,613; Feb. 7.
- Mills, James H., Gallipolis, Ohio. Electrically-heated radiator. No. 1,406,057; Feb. 7.
- Mills Works & Machinery Limited, The. (See Hardy, George, assignor.)
- Millkaps, Daniel W., Washington, D. C. Door spring. No. 1,405,735; Feb. 7.
- Milton, John L., Louisville, Ky. Electrical system. No. 1,405,536; Feb. 7.
- Milton, John L., assignor to The Teagle Company, Cleveland, Ohio. Electric switch. No. 1,405,537; Feb. 7.
- Miner, William H. (See Geiger, William H., assignor.)
- Miner, William H. (See O'Connor, John F., assignor.)
- Mitchell, Harrison, J., Seattle, Wash., assignor to P. B. Yates Machine Company, Beloit, Wis. Cutter head. No. 1,405,614; Feb. 7.
- Mitchell, Richard S. M., Port Jefferson, N. Y. Rotary piston apparatus. No. 1,405,736; Feb. 7.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Stitch-forming mechanism for sewing machines. No. 1,405,855; Feb. 7.
- Moisant, Alfred J., New York, N. Y., assignor, by mesne assignments, to General Research Laboratories. Apparatus for and process of preparing ozone compounds. No. 1,406,058; Feb. 7.
- Molas, Edouard E., Paris, France. Device for the protection of the cooling means of explosion motors against the effects of frost. No. 1,405,797; Feb. 7.
- Montgomery, Robert M., Pontiac, Mich. Seat. No. 1,406,059; Feb. 7.
- Montgomery, Walter R., Belpre, Kans. Chain tightener. No. 1,405,615; Feb. 7.
- Moody, Howard N., New Orleans, La. Viscosimeter. No. 1,405,538; Feb. 7.
- Moore, Barney, Chicago, Ill. Shoe rack. No. 1,405,539; Feb. 7.
- Moore, John G., et al. (See Smith, Charles P., assignor.)
- Moore, Roy J., et al. (See Walter, William L., assignor.)
- Morgan & Wright. (See Abbott, Adrian O., Jr., assignor.)
- Morgan & Wright. (See Eger, Ernst, assignor.)
- Morgan, Neil E., Hermon, assignor to Bob White Chemical Corporation, New York, N. Y. Insecticide. No. 1,405,856; Feb. 7.
- Morris, Alfred D., assignor to The Morris Piston Company, Philadelphia, Pa. Piston packing. No. 1,405,540; Feb. 7.
- Morris Piston Company, The. (See Morris, Alfred D., assignor.)
- Morse, Robert B., assignor of one-fourth to T. H. Lindsey and one-fourth to W. C. Manson, Southport, N. C. Shock absorber and stabilizer. No. 1,405,541; Feb. 7.
- Morton, Charles H., et al. (See Hinchman, Alva K., assignor.)
- Mossay, Paul A. H., London, England. Dynamo-electric machine. No. 1,405,616; Feb. 7.
- Mueller, Adolph, trustee. (See Mueller, Philip, assignor.)
- Mueller, August E., assignor to Universal Lug Company, Chicago, Ill. Detachable tread structure for vehicle wheels. No. 1,405,542; Feb. 7.
- Mueller, Philip, assignor to A. Mueller, trustee, Decatur, Ill. Capped stopcock. No. 1,406,060; Feb. 7.
- Muller, Charles, Zurich, Switzerland. Drawing apparatus. No. 1,406,061; Feb. 7.
- Mulvey, Robert J., Chicago, Ill. Snap fastener. No. 1,405,933; Feb. 7.
- Murphy, Thomas H., Brooklyn, N. Y. Tar, sand, and asphalt mixer. No. 1,405,543; Feb. 7.
- Murray, Thomas E., Brooklyn, N. Y. Vehicle wheel. No. 1,405,617; Feb. 7.
- Myers, Carmon A., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Calendar construction. No. 1,406,062; Feb. 7.
- Nagel, William. (See Easley, Thomas L., assignor.)
- Nagy, Charles K., Gainesville, N. Y. Stone-gathering machine. No. 1,406,063; Feb. 7.
- Nash Receiver Sight Corporation. (See Gordon, Fred W., assignor.)
- National Evaporator Corporation. (See Harris, Gordon D., assignor.)
- National Pneumatic Company. (See Parsons, Raymond H., assignor.)
- Neece, Thomas C. (See Pettet, William T., assignor.)
- Nedham, William H., assignor to Boston Pressed Metal Co., Worcester, Mass. Ejecting mechanism for die presses. No. 1,405,425; Feb. 7.
- Neidig, Percy H., Madison, Nebr. Door latch. No. 1,405,857; Feb. 7.
- Nekirk, John O., Lombard, Ill. Car construction. No. 1,405,544; Feb. 7.
- Neldner, Edward E., Milwaukee, Wis. Two-cycle engine. No. 1,405,545; Feb. 7.
- Nelson, Eric H., and E. A. Dewald, Massillon, Ohio, assignors to The Griscom Russell Company, New York, N. Y. Combined feed and brine pump. No. 1,405,737; Feb. 7.
- Nelson, Harold, Brooklyn, N. Y. Device for taking in holding and paying out fish lines. No. 1,405,546; Feb. 7.
- Nelson, Nels H., Spencer, Iowa. Rolling window screen. No. 1,405,618; Feb. 7.
- Nelson, Olof, assignor to The Robbins Company, Attleboro, Mass. Name-plate attachment. No. 1,405,547; Feb. 7.
- Nemeth, Stephen P., et al. (See Margo, Louis, assignor.)
- Neubert, Walter P., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Device for connecting circuit controllers with railway switches. No. 1,405,548; Feb. 7.
- Neumann, R., Hardware Co., The. (See Isidor, Joseph S., assignor.)
- New, Thomas E., assignor to Precision Equipment Company, Cincinnati, Ohio. Spark plug. No. 1,405,549; Feb. 7.

- Newell Mfg. Co., The. (See Barnwell, Harry T., assignor.)
- Newland, Charles L., Eltham, England. Machine-tool holder. No. 1,406,064; Feb. 7.
- New York Belting and Packing Company. (See Somerville, Albert A., assignor.)
- Nichols, Samuel W., Edmonton, Alberta, Canada. Turbine. No. 1,405,551; Feb. 7.
- Nicholson, Frank H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. No. 1,405,552; Feb. 7.
- Nicol, Edward W. L., Forest Hill, London, England. Blotting attachment for penholders. No. 1,405,550; Feb. 7.
- Nielsen, Niels D., Elyria, Ohio. Carburizing materials. No. 1,405,553; Feb. 7.
- Nilsson, Hjalmar, Hammond, Ind., assignor, by mesne assignments, to Continental Transport Company, Chicago, Ill. Sled. No. 1,405,558; Feb. 7.
- Nimz, William E. (See Rumpf, M., and Nimz.)
- North East Electric Company. (See Dorsey, Farnum P., assignor.)
- North East Electric Company. (See Lee, Thomas L., assignor.)
- North East Electric Company. (See Schulz, C. G., and Croll, assignors.)
- Northcraft, Ambro J., St. Louis, Mo. Spool rack. No. 1,405,554; Feb. 7.
- Norwood, Harry G., Baltimore, Md. Lock nut. No. 1,406,065; Feb. 7.
- Oakville Company. (See Boden, George, assignor.)
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Means for suspending cars upon trucks. No. 1,405,619; Feb. 7.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction shock-absorbing mechanism. No. 1,405,620; Feb. 7.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Hand brake. No. 1,405,621; Feb. 7.
- O'Connor, Michael J., Bloomingdale, N. J. Resilient tire. No. 1,405,850; Feb. 7.
- Odell, George W., Montreal, Quebec, Canada, assignor to Computing-Tabulating-Recording Company, New York, N. Y. Recording machine for mechanically-determined calculations. No. 1,406,066; Feb. 7.
- Odell, George W., Montreal, Quebec, Canada, assignor to Computing-Tabulating-Recording Company, New York, N. Y. Computing-card-stamping machine. No. 1,406,067; Feb. 7.
- Odenkirk, Harry C., Cleveland, Ohio. Metallic railway cross-tie. No. 1,405,556; Feb. 7.
- Odson, Lenna B. (See Howell, C. J., and Odson.)
- Odson, Lenna B., Spokane, Wash. Pulley-cord clip. No. 1,405,426; Feb. 7.
- Oesterlein, Charles D., and L. H. Blood, assignors to The Oesterlein Machine Co., Cincinnati, Ohio. Machine tool. No. 1,405,622; Feb. 7.
- Oesterlein Machine Co. (See Oesterlein, C. D., and Blood, assignors.)
- Ofensend, Chase F., assignor to The Miller Rubber Company, Akron, Ohio. Apparatus for building cord tires. No. 1,405,427; Feb. 7.
- Ogden, J. Edward. (See Fisher, Joseph K., assignor.)
- Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
- Ohio Cultivator Company, The. (See Griffith, Richard H., assignor.)
- Ohlbaum, Max. (See Friedman, S., and Ohlbaum.)
- Olney, Burt C., et al. (See Adams, Frank A., assignor.)
- Olson, Fridolf, Brooklyn, N. Y. Column mold. No. 1,405,934; Feb. 7.
- Olson, Oran, Hagan, Wis. Wire fastener. No. 1,405,715; Feb. 7.
- Olson, Ole A., Northwood, Iowa. Revolving toothed-disk harrow. No. 1,405,860; Feb. 7.
- Omnigraph Company, The. (See Strawn, Ervin E., assignor.)
- Oppenheim, Oberndorf & Co. (See Atkinson, Joseph M., assignor.)
- Orendorf, Lee J., Mulvane, Kans. Traffic signal. No. 1,405,861; Feb. 7.
- Orr, John A., Chicago, Ill. Liquid gauge. No. 1,405,798; Feb. 7.
- Osborne, Harold S., New York, N. Y., assignor to American Telephone and Telegraph Company. Signal-transmitting system. No. 1,405,428; Feb. 7.
- Ostrander, Allen E., Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Brake-beam safety support. No. 1,405,429; Feb. 7.
- Ouellette, Victor G., Clodford, Alberta, Canada. Hayrack unloader. No. 1,405,862; Feb. 7.
- Owens, Charles, Chattanooga, Tenn. Gear drive for traction wheels and jack shafts. No. 1,405,430; Feb. 7.
- Padgett, George H., Edwards, N. Y. Road construction. No. 1,406,068; Feb. 7.
- Palmer, Charles S., Pittsburgh, Pa. Making sulphur-free water gas. No. 1,405,863; Feb. 7.
- Pappas, William C., Berkeley, Calif. Billiard-cue tip. No. 1,405,864; Feb. 7.
- Parker, Frederick R., Chicago, Ill. Mounting plate for electrical protective apparatus. No. 1,405,935; Feb. 7.
- Farrish, James R., Nashville, Tenn. Sound-modifying device for phonographs. No. 1,406,069; Feb. 7.
- Parsons, Raymond H., assignor to National Pneumatic Company, New York, N. Y. Electrically-controlled door lock for cars. No. 1,405,623; Feb. 7.
- Patterson, Benjamin G., Oklahoma, Okla. Wrench. No. 1,405,716; Feb. 7.
- Patterson, Ralph J., Boston, Mass. Electrically-heated fireless cooker. No. 1,405,624; Feb. 7.
- Patton, Louis R., Chicago, Ill. Shower attachment for bathtubs. No. 1,406,070; Feb. 7.
- Paul, Stephen, Lansing, Mich. Adjustable guide for hammers. No. 1,405,799; Feb. 7.
- Pauly, Carl P., Sauk Center, Minn. Automatic stock-feeding apparatus. No. 1,405,431; Feb. 7.
- Pavelka, Joseph, St. Louis, Mo. Appliance for tools. No. 1,406,071; Feb. 7.
- Peaden, William H., Dallas, Tex. Counterbalancing and adjustable sash for windows. No. 1,405,557; Feb. 7.
- Pearsall, Benjamin E., Jr., Wallace, N. C. Explosive engine. No. 1,406,072; Feb. 7.
- Peck, Stow & Wilcox Company, The. (See Hahnemann, Paul R., assignor.)
- Peiler, Karl E. (See Lorenz, E. H., and Peiler.)
- Peiler, Karl E., West Hartford, Conn., assignor to Hartford-Fairmont Company, Canajoharie, N. Y. Apparatus for feeding molten glass. No. 1,405,936; Feb. 7.
- Perkins, Jonathan, Jr., San Diego, Calif. Bit-holder extension. No. 1,405,625; Feb. 7.
- Perkins, Max, Philadelphia, Pa. Hair-drawing machine. No. 1,405,626; Feb. 7.
- Perri, Angelo, Watertown, assignor to Reece Shoe Machinery Company, Boston, Mass. Shoe-beel-preparing machine. No. 1,405,806; Feb. 7.
- Peterson, Carl, Bridgeport, Conn. Wrench. No. 1,405,432; Feb. 7.
- Peterson, Carl, Newcastle, Ind. Lid adjuster and support. No. 1,405,433; Feb. 7.
- Peterson, Gust C., Jamestown, N. Y. Railway-ticket-receipt punch. No. 1,405,434; Feb. 7.
- Petri, Peter, Lacon, Ill. Shock absorber. No. 1,405,937; Feb. 7.
- Petrie, Earnest J., Los Angeles, Calif. Battery. No. 1,405,627; Feb. 7.
- Pettet, William T., assignor of one-half to T. C. Neece, Walnut Ridge, Ark. Fish box. No. 1,405,865; Feb. 7.
- Pettis, Clifton D., et al. (See Garrett, Myers A., assignor.)
- Peycke, Armand H., assignor to American Steel Foundries, Chicago, Ill. Reversible fulcrum and making same. No. 1,405,801; Feb. 7.
- Pfaus, August, Sr. (See Pfaus, Fred and A., Sr.)
- Pfaus, Fred and A., Sr., Newark, N. J. Bracelet construction. No. 1,406,073; Feb. 7.
- Phelan, Richard A., and H. A. Weguelin, St. Louis, Mo. Fume generator. No. 1,405,802; Feb. 7.
- Pierce, Frederic E. (See Chase, M. F., and Pierce.)
- Pierson, Charles A., Sharon, Pa. Concrete railway tie. No. 1,406,074; Feb. 7.
- Pierson, Edwin W., Newark, N. J., assignor to Intertype Corporation, Brooklyn, N. Y. Automatic cut-out for typographical machines. No. 1,406,075; Feb. 7.
- Pilcher, John A., Roanoke, Va. Railway car and truck construction. No. 1,406,076; Feb. 7.
- Pira, Jean, Ougree-les-Liege, Belgium. Tie plate for metal railway ties. No. 1,405,628; Feb. 7.
- Ploof, Henry C. (See Maul, Edward N., assignor.)
- Poole, Arthur F., Kenilworth, Ill., assignor to The Wahl Company, New Castle, Del. Single-magazine pencil. No. 1,406,077; Feb. 7.
- Post, Charles B., New London, Ohio. Steering mechanism. No. 1,405,435; Feb. 7.
- Post, Truman W., Providence, R. I., assignor to Willys Corporation, Toledo, Ohio. Automobile headlight. No. 1,405,717; Feb. 7.
- Pratt & Whitney Company. (See Knowles, Carroll, assignor.)
- Precision Equipment Company. (See New, Thomas E., assignor.)
- Robert, Edwin R., Covington, Ky. Sheet-metal roofing. No. 1,406,082; Feb. 7.
- Progressive Machine and Metal Products Co. (See Kipniss, Abraham, assignor.)
- Psotka, Maria, et al. (See Marks, Louis, assignor.)
- Pulverman, Isidore, Warren, Pa. Tire gauge. No. 1,405,436; Feb. 7.
- Quam, James P., assignor to United Manufacturing & Distributing Company, Chicago, Ill. Air strainer for internal-combustion engines. No. 1,405,437; Feb. 7.
- Quimby, Charles H., et al. (See Hinchman, Alva K., assignor.)
- Quinn, John N., Cincinnati, Ohio. Rolling-mill bearing. No. 1,405,438; Feb. 7.
- Rademacher, August. (See Siepmann, A., and Rademacher.)
- Rahmeyer, Franz P. (See Rahmeyer, George A. and F. P.)
- Rahmeyer, George A. and F. P., Ansley, Nebr. Automatic carrier. No. 1,405,718; Feb. 7.
- Ramsey, George, assignor to Anchor Cap & Closure Corporation, Brooklyn, N. Y. Method and apparatus for sealing containers. No. 1,405,738; Feb. 7.
- Randall, Chester J., Naugatuck, Conn., assignor to The Goodyear's Metallic Rubber Shoe Company. Preparation of and the mixing of pigments with rubber and the like. No. 1,405,439; Feb. 7.

- Randall, Chester J., and R. R. Taylor, Naugatuck, Conn., assignors to The Goodyear's Metallic Rubber Shoe Company. Solidifying pulverulent material. No. 1,405,440; Feb. 7.
- Rasmussen, George, Jr., Winnetka, Ill. Brush and making same. No. 1,405,938; Feb. 7.
- Rathman, Gilbert, assignor of two-fifths to J. A. Brown and one-fifth to W. Hodgkinson, New York, N. Y. Coffee percolator. No. 1,405,939; Feb. 7.
- Ratkovic, Frank X., Etna, Pa. Planting machine. No. 1,405,866; Feb. 7.
- Ratz, John, Fort Howard, Md. Bolting-up device. No. 1,405,739; Feb. 7.
- Reaves, John C., Plymouth, Calif. Tappet. No. 1,405,719; Feb. 7.
- Reece Shoe Machinery Company. (See Perri, Angelo, assignor.)
- Reichard, Benjamin, New York, N. Y. Hat-creaser retainer. No. 1,406,078; Feb. 7.
- Reid, James S., Harrisburg, Ill. Railway switch. No. 1,406,079; Feb. 7.
- Remington, Alfred M., assignor to Simonds Manufacturing Company, Fitchburg, Mass. Blade-holding device. No. 1,405,867; Feb. 7.
- Rhenstrom, Anthony, Kenosha, Wis. Bed-spring fabric. No. 1,405,868; Feb. 7.
- Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Warp stop motion for looms. No. 1,405,441; Feb. 7.
- Rice, Cyrus W., Philadelphia, Pa. Determining the quantity of an appropriate chemical that should be added per unit of volume of water in order to fit it for use in the arts. No. 1,405,940; Feb. 7.
- Rich-Sampliner Knitting Mills Company, The. (See Sampliner, Samuel S., assignor.)
- Riggs Optical Company. (See Wahlgren, R. M., and Beatty, assignors.)
- Rine, William, Philadelphia, Pa. Tank siphon. No. 1,406,080; Feb. 7.
- Rischmuller, George, San Francisco, Calif. Demountable rim. No. 1,405,803; Feb. 7.
- Rittmeyer, Rudolf, Brooklyn, N. Y. Punch and die apparatus. No. 1,406,081; Feb. 7.
- Ritz, Robert R., Milwaukee, Wis. Mucilage-cap structure. No. 1,405,442; Feb. 7.
- Riza, George P., Dallas, Tex. Fish-catching device. No. 1,405,740; Feb. 7.
- Robbins Company, The. (See Nelson, Olaf, assignor.)
- Roberts, Arthur, Evanston, assignor, by mesne assignments, to American Coke & Chemical Company, Chicago, Ill. By-product-recovery process. No. 1,405,629; Feb. 7.
- Robeson, William B., Port Huron, Mich. Surfacing composition and producing same. No. 1,405,941; Feb. 7.
- Robeling's, John A., Sons Company. (See Green, Richard D., assignor.)
- Robinson, Marguerietta B., London, England. Cigarette and cigar holder. No. 1,405,869; Feb. 7.
- Rodda, Thomas L., et al. (See Matthiasen, Matthias, assignor.)
- Roessner, Elsa, New York, N. Y. Hair-curling device. No. 1,406,083; Feb. 7.
- Rühm, Otto, Darmstadt, Germany. Making glue and the like from glue material. No. 1,405,741; Feb. 7.
- Root, Walter E., Seattle, Wash. Automobile signal. No. 1,405,870; Feb. 7.
- Rose, Harry B., Buffalo, N. Y. Bar reverser. No. 1,406,084; Feb. 7.
- Rosenfeld, Francis M., Elberon, assignor, by mesne assignments, to Diamond Electric Specialties Corporation, Newark, N. J. Flash light. No. 1,405,630; Feb. 7.
- Rouch, John A., and T. H. Hastie, Tulsa, Okla. Door-securing device. No. 1,406,085; Feb. 7.
- Rowley, Edward G., assignor of one-half to Sun Type-writer Company, Newark, N. J. Cooking vessel. No. 1,406,159; Feb. 7.
- Rub-Tex Products, Inc. (See Klug, Louis E., assignor.)
- Ruberoid Co., The. (See Abraham, Herbert, assignor.) (Reissue.)
- Ruddy, Thomas H., Kalama, Wash. Automatic damper for stovepipes. No. 1,405,871; Feb. 7.
- Rudolph, Elmer J., Wakefield, Kans. Inner-tube cover. No. 1,406,086; Feb. 7.
- Ruhe, Paul P., Hoboken, N. J., and W. A. Sonen, New York, N. Y. Sewing machine. No. 1,405,443; Feb. 7.
- Rumpf, Max, and W. E. Nimz, Chicago, Ill.; said Nimz assignor to said Rumpf. Hand stamp. No. 1,405,444; Feb. 7.
- Rushmore, Samuel W., Plainfield, N. J. Starter for engines. No. 1,405,742; Feb. 7.
- Russell Malle L., Philadelphia, Pa. Garment supporter. No. 1,405,445; Feb. 7.
- Ryan, Thomas H., Newark, N. J. Supporter hook. No. 1,406,087; Feb. 7.
- Rychiger, Rudolf, and E. Kúpfer, Steffisburg, Switzerland. Apparatus for producing edged work according to a pattern. No. 1,405,743; Feb. 7.
- Ryerson, Joseph T., & Son. (See Mikshel, John J., assignor.)
- Salyards, Elmer S., Rock Island, Ill. Tractor wheel. No. 1,405,804; Feb. 7.
- Sammons, John J., Amarillo, Tex. Nut lock. No. 1,406,161; Feb. 7.
- Sampliner, Samuel S., assignor to The Rich-Sampliner Knitting Mills Company, Cleveland, Ohio. Neck garment. No. 1,405,744; Feb. 7.
- Sawyer, Frederick L. (See Bérger, Christian, assignor.)
- Scanes, Arthur E. L., Ashton-on-Mersey, and A. W. Clarke, Manchester, England. Gauge for indicating the efficiency of steam condensers. No. 1,406,088; Feb. 7.
- Schaefer, Frederic. (See Summerhays, Elmer M., assignor.)
- Schaffer, August, Columbus, Ohio. Room ventilator. No. 1,406,089; Feb. 7.
- Scheibenzuber, Dagabert A., et al. (See Marko, Louis, assignor.)
- Schermuly, Augustus W. L., Sutton, England. Fastening for boxes and other articles. No. 1,406,090; Feb. 7.
- Schreiber, Walter T., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Producing liquid fuels. No. 1,405,805; Feb. 7.
- Schreiber, Walter T., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Producing liquid fuel. No. 1,405,806; Feb. 7.
- Schmidlin, Julius, Basel, Switzerland, and W. Brunner, Mainkur, near Frankfurt-on-the-Main, Germany. Vat dyestuffs and making same. No. 1,405,446; Feb. 7.
- Schmitt, John, Portland, Oreg. Device for facilitating emplacement and displacement of flexible tires. No. 1,405,872; Feb. 7.
- Schnell, Edward, Bartlesville, Okla. Pumping valve for oil wells. No. 1,405,447; Feb. 7.
- Schulzmann, Tido R., Chenoa, Ill. Trap. No. 1,406,091; Feb. 7.
- Schulz, Carl G., and A. J. Croll, assignors to North East Electric Company, Rochester, N. Y. Forming field windings. No. 1,406,092; Feb. 7.
- Schwarz, Elmer H., Glen Rock, N. J., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Starting system. No. 1,405,942; Feb. 7.
- Schwartz, Jacob G., Rockingham Township, Scott County, Iowa. Blotting inkstand. No. 1,405,558; Feb. 7.
- Scott, Celestine G. (See Scott, Wilmer G., assignor.)
- Scott, John A., Spokane, Wash. Bread cutter. No. 1,405,720; Feb. 7.
- Scott, Wilmer G., Vancouver, British Columbia, Canada, assignor to C. G. Scott, Washington, D. C. Means employed in accounting systems. No. 1,405,559; Feb. 7.
- Seranton, Henry O., Jeanerette, La. Cane harvester. No. 1,406,093; Feb. 7.
- Scribner, Edward W., and R. Depee, Douthat, Okla., assignors of one-half to N. W. Wyatt and O. Baker, Miami, Okla. Valve. No. 1,405,631; Feb. 7.
- Seel, Paul C., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether composition. No. 1,405,448; Feb. 7.
- Seel, Paul C., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether solvent and composition. No. 1,405,449; Feb. 7.
- Selin, Adolf, Stuttgart, Germany. Filtering and purifying device. No. 1,405,873; Feb. 7.
- Sharp, George W., St. Louis, Mo. Heater. No. 1,405,943; Feb. 7.
- Shartle, Charles W., assignor to The Shartle Continuous Beater Company, Middletown, Ohio. Manufacturing paper pulp. No. 1,405,944; Feb. 7.
- Shartle, Charles W., assignor to The Shartle Continuous Beater Company, Middletown, Ohio. Manufacturing paper pulp. No. 1,405,945; Feb. 7.
- Shartle, Charles W., Middletown, Ohio. Making pulp used in the manufacture of paper. No. 1,405,946; Feb. 7.
- Shartle, Charles W., Middletown, Ohio. Apparatus for manufacturing pulp. No. 1,405,947; Feb. 7.
- Shartle Continuous Beater Company, The. (See Shartle, Charles W., assignor.)
- Shearer, Adam H., York, Pa. Sectional bed frame. No. 1,405,721; Feb. 7.
- Shoenberg, Milton H., San Francisco, Calif., assignor to Majestic Electric Development Company. Automatic control of the circuits of electric heating apparatus, etc. No. 1,405,450; Feb. 7.
- Shriver, Harry T. (See Libby, Lewis L., assignor.)
- Siepmann, Adolf, and A. Rädemacher, Essen, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Typewriter mechanism. No. 1,405,722; Feb. 7.
- Silverson, Nathan, New York, N. Y. Door-operating apparatus. No. 1,405,691; Feb. 7.
- Simmons, Albert E., Eureka, Calif. Screw driver. No. 1,405,723; Feb. 7.
- Simpson, Charlie E., Martha, Okla. Cotton gin. No. 1,406,094; Feb. 7.
- Simonds Manufacturing Company. (See Remington, Alfred M., assignor.)
- Singer Manufacturing Company, The. (See Barron, William L., assignor.)
- Skelly, John S., Monongahela, Pa., assignor to Combustion Engineering Corporation, New York, N. Y. Screw-feed stoker. No. 1,405,948; Feb. 7.
- Sladky, Alexander C., Shorewood, Wis. Chair. No. 1,405,632; Feb. 7.
- Slawinski, Zygmunt, South Plainfield, N. J. Safety door for freight cars. No. 1,406,095; Feb. 7.
- Smith, Charles P., White Pine, assignor of one-third to B. Harle, Morristown, and one-third to J. G. Moore, White Pine, Tenn. Valve. No. 1,406,096; Feb. 7.

- Smith, Elmer, Fond du Lac, Wis. Timer-supporting bracket. No. 1,405,724; Feb. 7.
- Smith, Maurice O., Dallas, Tex. Fuel vaporizer for carburetors. No. 1,405,633; Feb. 7.
- Smith Scale Company, The. (See Smith, Walter S., assignor.)
- Smith, Thomas D., New York, N. Y. Scouring wool. No. 1,405,560; Feb. 7.
- Smith, Walter S., assignor to The Smith Scale Company, Columbus, Ohio. Scale. No. 1,405,634; Feb. 7.
- Snell, Robert T., Cleveland, Ohio. Gripper for printing presses. No. 1,405,949; Feb. 7.
- Snickers, Edward I., Shelton, Wash. Umbrella and cane holder. No. 1,406,097; Feb. 7.
- Snively, Wilson J., Mount Pleasant Township, Westmoreland County, Pa., assignor of one-half to W. I. Hunter, Greensburg, Pa. Drainage system. No. 1,405,725; Feb. 7.
- Snow, Isaac, Lawrence, assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. No. 1,405,451; Feb. 7.
- Snow, Isaac, Lawrence, assignor to Draper Corporation, Hopedale, Mass. Automatically-threading loom shuttle. No. 1,405,452; Feb. 7.
- Société Les Petits Fils de Francois de Wendel et Cie. (See Weber, Guillaume, assignor.)
- Somerville, Albert A., Flushing, N. Y., assignor to New York Belting and Packing Company. Making soles for turned shoes. No. 1,405,453; Feb. 7.
- Sonen, William A. (See Ruhe, P. P., and Sonen.)
- Sorenson, John G. (See Bourdeau, Leon N., assignor.)
- Speldel, Robert, Calmbach, Germany. Package. No. 1,406,098; Feb. 7.
- Sperry Gyroscope Company, The. (See Tanner, Harry L., assignor.)
- Springer, Ernest C., Kansas City, Mo. Grinding and polishing machine. No. 1,405,454; Feb. 7.
- Sprinkle, Lake H., Brooklyn, N. Y. Connecting the backing and facing of a tooth. No. 1,405,874; Feb. 7.
- Spurck, Robert M., Schenectady, N. Y., assignor to General Electric Company. Electrical protective device. No. 1,405,455; Feb. 7.
- Stafford, Hal R., deceased, North Plainfield, N. J.; M. M. Stafford, administratrix. Automatic shut-off for locomotive steam pipes. No. 1,405,950; Feb. 7.
- Stafford, Leo K., New York, N. Y. Journal box and mounting. No. 1,406,099; Feb. 7.
- Stafford, Lewis F., Chicago, Ill. Automobile bumper. No. 1,405,456; Feb. 7.
- Stafford, Mary M., administratrix. (See Stafford, Hal R.)
- Stanley, George F., assignor to The Stanley Manufacturing Company, Dayton, Ohio. Greeting card. No. 1,405,635; Feb. 7.
- Stanley Manufacturing Company, The. (See Stanley, George F., assignor.)
- Stark, Max, New York, N. Y. Container of the envelope variety. No. 1,405,636; Feb. 7.
- Starnes, Earl C., and E. C. Willis, Alpha, Minn. Grain-handling means. No. 1,405,692; Feb. 7.
- Starr, Raymond F. (See De Cano, Victor M., assignor.)
- Stephen, Archibald R., Lodi, Calif. Beater adjustment for almond hullers. No. 1,405,726; Feb. 7.
- Stephens, Richard M., Irving, Tex., assignor of one-twelfth to C. E. Manley and one-twelfth to E. L. Lipp, Los Angeles, Calif. Electric water heater. No. 1,406,100; Feb. 7.
- Sternberg, Ernst M., West Allis, Wis. Pulp-wood filler for vehicle frames. No. 1,405,637; Feb. 7.
- Stewart, Thomas W., South Sioux City, Nebr. Hog-scraping knife. No. 1,405,457; Feb. 7.
- Stiles, Thomas G., Arlington, N. J. Combined controller and switch lock. No. 1,405,693; Feb. 7.
- Stoker, Hiram. (See Taylor, J. G., and Stoker.)
- Stoll, Irene H., Cleveland, Ohio. Hair dye. No. 1,405,458; Feb. 7.
- Stone, Berkley C. (See Diehm, Lucius N., assignor.)
- Stout, George W., Merchantville, N. J. Package tie. No. 1,405,459; Feb. 7.
- St. Pierre, Octave J., Chicago, Ill. Skate-attaching means. No. 1,405,951; Feb. 7.
- Straight Line Regulator Corporation. (See Asbury, William, assignor.)
- Strange, James A., Ellensburg, Wash. Shoemaker's jack. No. 1,405,875; Feb. 7.
- Strasburg, Samuel S., St. Marys, Ohio. Drier. No. 1,405,460; Feb. 7.
- Strawn, Ervin E., assignor to The Omnigraph Company, Des Moines, Iowa. Process and machine for printing complete form letters. No. 1,406,101; Feb. 7.
- Stromberg Motor Devices Company. (See Welch, Horace H., assignor.)
- Strongson, Herman L., Brooklyn, assignor to Loeb-Strongson Corporation, New York, N. Y. Pouring spout. No. 1,405,638; Feb. 7.
- Stuart, Edwards B., Chicago, Ill. Collecting and trucking garbage. No. 1,405,952; Feb. 7.
- Stuart, Ethelbert B., Buffalo, N. Y., assignor to The Beaver Company. Rubbing machine. No. 1,405,639; Feb. 7.
- Stuart, Joseph, Pittsburgh, Pa. Watchman's registering apparatus. No. 1,405,727; Feb. 7.
- Summerhays, Elmer M., Hammond, Ind., assignor to F. Schaefer, Pittsburgh, Pa. Brake-rod jaw. No. 1,405,877; Feb. 7.
- Summers, William H., Florence, Kans. Apparatus for treating crude oil. No. 1,405,876; Feb. 7.
- Sun Light Arc Corporation. (See Westcott, Pliny K., assignor.)
- Sun Typewriter Company. (See Rowley, Edward G., assignor.)
- Superior Type Company, The. (See Willard, Maurice L., assignor.)
- Swain, Charles S., and C. Corum, Long Beach, Calif. Lawn-mower sharpener. No. 1,405,561; Feb. 7.
- Swartz, Daniel B. (See Ekehorn, Sven A., assignor.)
- Swensen, Alfred, Morton Park, assignor to The Cable Company, Chicago, Ill. Pressure regulator. No. 1,405,461; Feb. 7.
- Svénska Aktiebolaget Nobel-Diesel. (See Derans, Oscar A., assignor.)
- Sypho-Chemical Sprinkler Corporation. (See Hamilton, John R., assignor.)
- Szylderowicz, Theodore, Shamokin, Pa. Vise. No. 1,406,102; Feb. 7.
- Szymanski, John A. and V. A., Detroit, Mich.; said John A. Szymanski assignor to said V. A. Szymanski. Paper-vending machine. No. 1,405,462; Feb. 7.
- Szymanski, Vincent A. (See Szymanski, John A., and V. A.)
- Taconelli, Alexander. (See Browne, Hugh M., assignor.)
- Taigman, Max, New York, N. Y. Electrically-controlled transmission. No. 1,405,640; Feb. 7.
- Talianoff, Morris, Brooklyn, N. Y. Combination romper dress. No. 1,405,694; Feb. 7.
- Talmage, John G., Cleveland, Ohio, assignor to H. B. Thurston, Pittsburgh, Pa. Low-water alarm. No. 1,405,953; Feb. 7.
- Tampier, René J. C., Boulogne-sur-Seine, France. Control hand lever with braked motion. No. 1,406,103; Feb. 7.
- Tanner, Harry L., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Damping means for gyroscopes. No. 1,405,807; Feb. 7.
- Taylor, John G., and H. Stoker, Lovelock, Nev. Attachment for hay loaders. No. 1,405,808; Feb. 7.
- Taylor, Richard R. (See Randall, C. J., and Taylor.)
- Taylor, William E., New York, N. Y. Printer's slug and rule. No. 1,406,104; Feb. 7.
- Teagle Company, The. (See Milton, John L., assignor.)
- Teich, Ernest L., assignor to The American Hardware Corporation, New Britain, Conn. Adjustable latch-operating means. No. 1,405,695; Feb. 7.
- Tervo, Oscar, assignor of one-half to K. Hill, Quincy, Mass. Submarine escape boat. No. 1,405,728; Feb. 7.
- Tessier, Julien, assignor to Eastman Kodak Company, Rochester, N. Y. Focusing lens mount. No. 1,405,463; Feb. 7.
- Thatcher, Charles J., New York, N. Y. Utilizing waste liquor. No. 1,405,954; Feb. 7.
- Thill, John C., Fox Lake, Ill. Automatically-closing chute. No. 1,405,955; Feb. 7.
- Thompson, John C., Boston, Mass. Overhead-valve-spring compressor. No. 1,405,696; Feb. 7.
- Thompson, Osceola C., White Plains, N. Y., assignor to Wirebounds Patents Company. Machine for use in making boxes. No. 1,406,105; Feb. 7.
- Thorpe, Samuel T., Bristol, Conn. Fishing-reel oil-cap protector. No. 1,405,729; Feb. 7.
- Thueringer, Frank, Sauk Rapids, Minn. Wrench. No. 1,406,106; Feb. 7.
- Thullen, Louis H., Grand Rapids, Mich. Sawing machine. No. 1,405,697; Feb. 7.
- Thurston, Herman B. (See Jackson, William S., assignor.)
- Thurston, Herman B. (See Talmage, John G., assignor.)
- Timken-Detroit Axle Company, The. (See Vanderbeek, Herbert, assignor.)
- Tinsley, Louis C., New York, N. Y. Typographical machine. No. 1,406,107; Feb. 7.
- Tobias, John M., Pittsburgh, Pa. Lifting jack for vehicles. No. 1,406,108; Feb. 7.
- Todoruk, Mike, Russell, Manitoba, Canada. Automatic gate. No. 1,405,464; Feb. 7.
- Toothaker, Fred E., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Device for use in turning heel portions of molded-counter turned shoes. No. 1,405,531; Feb. 7.
- Torrance, John R., Bifton, England. Disk and like grinding mill. No. 1,405,878; Feb. 7.
- Torregano, Ernest J. (See Winterburn, James E., assignor.)
- Trent Process Corporation. (See Trent, Walter E., assignor.)
- Trent, Walter E., assignor to Trent Process Corporation, Washington, D. C. Grinding machine. No. 1,406,109; Feb. 7.
- TROUTNER, William D., Pittsfield, Ill. Method and means for inserting teeth in gears and pinions. No. 1,406,110; Feb. 7.
- Tuck, George A., San Francisco, Calif. Air heater and ventilator. No. 1,406,111; Feb. 7.
- Tunstedt Manufacturing Co. (See Gates, Louis W., assignor.)
- Turbayne, William A., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Electric regulator. No. 1,405,956; Feb. 7.
- Turner, Frank A., Boston, Mass. Clutch. No. 1,405,698; Feb. 7.

- Ullman, Aubrey M., assignor of one-half to W. A. Wallender. Springfield, Mo. Attachment for safes. No. 1,405,641; Feb. 7.
- Underwood Typewriter Company. (See Helmond, William F., assignor.)
- Unger, Gustave A., Pelham Manor, assignor to F. R. Blair & Co., Inc., New York, N. Y. Flexible coupling. No. 1,406,112; Feb. 7.
- Union Special Machine Company. (See Moffatt, James R., assignor.)
- Union Switch & Signal Company, The. (See Coleman, John P., assignor.)
- Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)
- Union Switch & Signal Company, The. (See Neubert, Walter P., assignor.)
- Union Switch & Signal Company, The. (See Nicholson, Frank H., assignor.)
- United Filters Corporation. (See Genter, Albert L., assignor.)
- United Manufacturing & Distributing Company. (See Quam, James P., assignor.)
- United Mines and Manufacturing Company, The. (See Kohler, Ernest, assignor.)
- United Shoe Machinery Corporation. (See Ballard, Milton H., assignor.)
- United Shoe Machinery Corporation. (See Baxter, William C., assignor.)
- United Shoe Machinery Corporation. (See Clary, B. N., and Mayo, assignors.)
- United Shoe Machinery Corporation. (See Martin, Harry E., assignor.)
- United Shoe Machinery Corporation. (See Toothaker, Fred E., assignor.)
- U. S. Industrial Alcohol Co. (See Schreiber, Walter T., assignor.)
- U. S. Industrial Alcohol Co. (See Whitaker, Milton C., assignor.)
- U. S. Light & Heat Corporation. (See Turbayne, William A., assignor.)
- Universal Optical Corporation. (See Curtis, Thomas S., assignor.)
- Universal Lug Company. (See Mueller, August E., assignor.)
- Vanderbeek, Herbert, assignor to The Timken-Detroit Axle Company, Detroit, Mich. Axle construction. No. 1,405,642; Feb. 7.
- Vanderbrouk, Harry A., New Britain, assignor of one-half to R. D. Heymann, Hartford, Conn. Floor or ceiling plate. No. 1,405,465; Feb. 7.
- Van Horn, John A., Shelby, Ohio. Safety device for punching presses. No. 1,405,466; Feb. 7.
- Van Meter, James W., San Francisco, Calif. Ore stamp mill. No. 1,405,467; Feb. 7.
- Van Scoy, Howard, Chicago, Ill. Switching and braking device. No. 1,405,562; Feb. 7.
- Van Voorhis, Lawrence D. (See Van Voorhis, Willis A. and L. D.)
- Van Voorhis, Willis A. and L. D., Graysville, Tenn. Mixing device. No. 1,406,113; Feb. 7.
- Varela, Frank F., Santa Ana, Calif. Crate-forming apparatus. No. 1,406,114; Feb. 7.
- Verch, Raymond, Albany, N. Y. Headlight for vehicles. No. 1,406,115; Feb. 7.
- Viles, Joseph T., Indianapolis, Ind. Removable-petal dining table. No. 1,406,116; Feb. 7.
- Vinton, John H., Keene, N. H., assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass. Swinging bracket for heel-shaping machines. No. 1,405,879; Feb. 7.
- Viscose Company, The. (See Clayton, James, assignor.)
- Vrooman, Harold E., South Jacksonville, Fla. Template. No. 1,406,117; Feb. 7.
- Wahl Company, The. (See Poole, Arthur F., assignor.)
- Wahlgren, Roy M., Omaha, Nebr., and E. J. R. Beatty, Providence, R. I., assignors to Riggs Optical Company, Omaha, Nebr. Lens-testing device. No. 1,406,118; Feb. 7.
- Wallace, Harry J., Clarksburg, W. Va. Drain board. No. 1,405,881; Feb. 7.
- Wallender, W. A. (See Ullman, Aubrey M., assignor.)
- Wallner, John S. (See Johnston, R. L., and Wallner.)
- Walter, William L., assignor of one-third to R. J. Moore and one-third to B. J. Griesemer, Pueblo, Colo. Repairing automobile radiators. No. 1,405,880; Feb. 7.
- Ward, Edward K., and G. F. Boucher, St. Paul, Minn. Automobile direction signal. No. 1,405,699; Feb. 7.
- Washburne, Alva C., et al. (See Hammond, Grant, assignor.)
- Watanabe, Masanori, assignor to Kyokuto Jidosha Kogyo Co., Ltd., Tokyo, Japan. Coupling device for power-transmission mechanism and brake apparatus for an automobile. No. 1,406,119; Feb. 7.
- Waters, Maurice W., Detroit, Mich. Desk calendar. No. 1,406,120; Feb. 7.
- Watson, George R., assignor to Armstrong Manufacturing Company, Waterloo, Iowa. Weldless drill jar. No. 1,405,468; Feb. 7.
- Weaver, Eugene, Bryan, Ohio. Lead adjustment for propeller blades. No. 1,405,643; Feb. 7.
- Weber, Carl P. (See Garwood, W. C., and Weber.)
- Weber, Guillaume, Hayange, assignor to Societe Les Petits Fils De Francois De Wendel Et Cie., Paris, France. Explosive. No. 1,406,121; Feb. 7.
- Weikert, Bernard D. (See Beitzell, A. F., and Weikert.)
- Welch, Horace H., Detroit, Mich., assignor, by mesne assignments, to Stromberg Motor Devices Company, Chicago, Ill. Carburetor. No. 1,405,700; Feb. 7.
- Welch, Jesse C., Tacoma, and W. F. Altenbaugh, Yeoman, Wash.; said Altenbaugh assignor to said Welch. Vehicle wheel. No. 1,406,122; Feb. 7.
- Wenger, Aaron, Bayonne, N. J. Floor-oiling machine. No. 1,406,123; Feb. 7.
- Wenman, Frederick A., Brooklyn, N. Y. Finder. No. 1,406,124; Feb. 7.
- Weguelin, Harold A. (See Phelan, R. A., and Weguelin.)
- Westcott, Pliny K., assignor to Sun Light Arc Corporation, New York, N. Y. Automatically-operating means for controlling rheostats or equivalent devices. No. 1,405,469; Feb. 7.
- Wester, Frank W., Reynolds, N. D. Self-measuring stock feeder. No. 1,406,125; Feb. 7.
- Western Electric Company. (See Boe, Helmer J., assignor.)
- Western Electric Company. (See Kohlhaas, Herman T., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Aram, Otto, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Ehrhart, Raymond N., assignor.)
- Westinghouse Electric & Manufacturing Co. (See Kasley, Alexander T., assignor.)
- Wheatley, George H., Milwaukee, Wis. Method for and apparatus for making resilient tires. No. 1,405,470; Feb. 7.
- Wheeler, John L., assignor to The Measuregraph Company, St. Louis, Mo. Totalizing measuring machine. No. 1,406,126; Feb. 7.
- Whellie, Charles B. (See Beitzell, A. F., and Weikert, assignors.)
- Whitaker, Milton C., New York, N. Y., assignor to U. S. Industrial Alcohol Co. Liquid fuel. No. 1,405,809; Feb. 7.
- White, Clyde B., Buffalo, N. Y. Spark plug. No. 1,405,701; Feb. 7.
- Whitney, Baxter D., & Son, Inc. (See Vinton, John H., assignor.)
- Whittaker, Cyrus A., Freeburg, Ill. Method and apparatus for separating onion from wheat. No. 1,406,127; Feb. 7.
- Wiener, Mervin G. (See Wiener, William and M. G.)
- Wiener, William and M. G., Newark, N. J. Buckle. No. 1,405,471; Feb. 7.
- Willard, Maurice L., assignor to The Superior Type Company, Chicago, Ill. Band stamp. No. 1,405,811; Feb. 7.
- Wilkie, Boyd, Mount Vernon, N. Y. Spray. No. 1,405,810; Feb. 7.
- Williams, Alfred and L. D., London, England. Telephonic receiver. No. 1,405,472; Feb. 7.
- Williams, James P., Milton, Pa. Building block. No. 1,405,644; Feb. 7.
- Williams, John M., Jr., Montclair, N. J. Air-cooled internal-combustion engine. No. 1,405,883; Feb. 7.
- Williams, Howard M., Boulder, Colo. Loose-leaf sheet. No. 1,405,882; Feb. 7.
- Williams, Leo D. (See Williams, Alfred and L. D.)
- Williams, William E., Chicago, Ill. Disk wheel for automobiles. No. 1,405,645; Feb. 7.
- Williams, William E., Chicago, Ill. Disk automobile wheel. No. 1,405,646; Feb. 7.
- Williams, William E., Chicago, Ill. Reinforced disk wheel. No. 1,405,647; Feb. 7.
- Williams, William E., Chicago, Ill. Disk wheel. No. 1,405,648; Feb. 7.
- Willigman, Glen A. (See Justice, I. M., and Willigman.)
- Willis, Edward C. (See Starnes, E. C., and Willis.)
- Willys Corporation. (See Post, Truman W., assignor.)
- Wilson, Alexander V., Bar Harbor, Me. Driving means for spring motors. No. 1,405,649; Feb. 7.
- Wilson, Charles H., et al. (See Lichtenberger, Joseph A., assignor.)
- Wilson, George W., East Durham, N. C. Knitting-machine attachment. No. 1,406,128; Feb. 7.
- Wilson-Jones Loose Leaf Company. (See Fargo, Charles R., assignor.)
- Wilson, Robert, Hobart, Tasmania, Australia. Building of concrete structures. No. 1,405,650; Feb. 7.
- Winchester, Ralph E., Los Angeles, Calif. Collapsible seat back. No. 1,405,651; Feb. 7.
- Window Glass Machine Company. (See Clark, Henry F., assignor.)
- Winger, Bernard, Cincinnati, Ohio. Adjustable hook for refrigerator cars. No. 1,405,745; Feb. 7.
- Winterburn, James E., assignor to E. J. Torregano, San Francisco, Calif. Automatic motion-picture-projecting machine. No. 1,405,884; Feb. 7.
- Wirebounds Patents Company. (See Thompson, Osceola C., assignor.)
- Woelfel, William, Peabody, Mass. Guard for power presses or the like. No. 1,405,957; Feb. 7.
- Wolfe, Cyrus H., Charlotte, assignor of one-fourth to L. R. Heintz and one-fourth to C. M. Heintz, Cabarrus County, N. C. Power shovel. No. 1,405,652; Feb. 7.
- Wolfe, Cyrus H., Charlotte, assignor of one-fourth to L. R. Heintz and one-fourth to C. M. Heintz, Cabarrus County, N. C. Shovel. No. 1,405,653; Feb. 7.
- Wolff, Harry O., Chicago, Ill. Extensible bracket for window drapery rods. No. 1,405,958; Feb. 7.

- Wolnick, Henry F., Chicago, Ill., assignor to American Car and Foundry Company, New York, N. Y. Punch and die for strengthening valve stems. No. 1,405,473; Feb. 7.
- Woltz, Albert M., assignor to S. Himmel, Baltimore, Md. Store-service cabinet. No. 1,406,129; Feb. 7.
- Womack, Foster B., Port Arthur, Tex. Direction signal for automobiles. No. 1,406,130; Feb. 7.
- Wooch, Eric M. (See Wooch, Herbert J., W. R., and E. M.)
- Wooch, Herbert J., W. R., and E. M., Lodi, Calif. Pump and motor unit. No. 1,405,959; Feb. 7.
- Wooch, Walter R. (See Wooch, Herbert J., W. R., and E. M.)
- Woodard, Louis E., Cincinnati, Ohio. Method and means for printing. No. 1,406,132; Feb. 7.
- Wood, Frank W., Montclair, N. J., assignor to Charles Cory & Son, Incorporated, New York, N. Y. Annunciator drop. No. 1,405,812; Feb. 7.
- Wood, Garfield A., Detroit, Mich. Dumping truck. No. 1,406,131; Feb. 7.
- Wood, Leander W., Pontanelle, Iowa. Resilient tire. No. 1,405,960; Feb. 7.
- Wood, William H., South Euclid, Ohio. Storage battery. No. 1,405,702; Feb. 7.
- Wood, William H., South Euclid, Ohio. Storage battery. No. 1,405,703; Feb. 7.
- Woodson, Charles W., Portland, Oreg. Harvester. No. 1,405,885; Feb. 7.
- Worcester Metal Goods Company. (See Lau, Fredrick J., assignor.)
- Worthington Pump and Machinery Corporation. (See Le Cain, John A., assignor.)
- Wray, William J., Philadelphia, assignor to J. P. Croasdale, Berwyn, Pa. Timing mechanism. No. 1,405,961; Feb. 7.
- Wright, Carroll D., Webster, N. Y. Quick-detachable cap. No. 1,406,133; Feb. 7.
- Wright, Charles V., Tamaqua, Pa. Sharpening tool. No. 1,405,730; Feb. 7.
- Wrightson, George, et al. (See Ceserani, John, assignor.)
- Wrisenberg, Julius H. A., Bremen, Germany. Reinforcement for concrete structures. No. 1,405,654; Feb. 7.
- Wyatt, Noel W., et al. (See Scribner, E. W., and Depee, assignors.)
- Yates, P. B., Machine Company. (See Lane, Franklin L., assignor.)
- Yates, P. B., Machine Company. (See Mitchell, Harrison J., assignor.)
- Yehle, Charles A., Syracuse, N. Y. Grinding block. No. 1,405,474; Feb. 7.
- Yocum, William D., Wetumka, Okla. Device for joining rails. No. 1,405,886; Feb. 7.
- Zaun, George F., San Bernardino, Calif. Sectional floor rack. No. 1,405,655; Feb. 7.
- Zoppugno, Rodolfo, assignor to Lancia & C., Turin, Italy. Vehicle spring. No. 1,406,134; Feb. 7.

ALPHABETICAL LIST OF PATENTEES OF DESIGNS.

- American Stove Company. (See Meacham, Benjamin E., assignor.)
- Automatic Transportation Company, The. (See Carr, William C., assignor.)
- Automotive Manufacturing Company. (See Moore, Harry C., assignor.)
- Bach, John J. (See Klase, J. L., McGrann, and Bach.)
- Bechtold, William S., Newark, N. J. Back comb or similar article. Nos. 60,302-7; Feb. 7.
- Blackwell, Harlie A., and F. P. Myers, Portland, Oreg. Radiator cap. No. 60,309; Feb. 7.
- Blackwell, William T., Westfield, N. J., assignor to Westinghouse Lamp Company. Lighting fixture. No. 60,308; Feb. 7.
- Blackwell, William T., Westfield, N. J., assignor to Westinghouse Lamp Company. Lighting fixture. Nos. 60,310-11; Feb. 7.
- Burkhardt, George R., assignor to White & Wyckoff Manufacturing Company, Holyoke, Mass. Ornamental paper-strip envelope band. No. 60,313; Feb. 7.
- Buteau Sales Company. (See Rogers, Marguerite, assignor.)
- Carr, William C., assignor to The Automatic Transportation Company, Buffalo, N. Y. Electric automobile body. No. 60,314; Feb. 7.
- Caterini, Rocco, Archbald, Pa. Rubber heel. No. 60,315; Feb. 7.
- Caulk, L. D., Company, The. (See Grier, Garrett L., assignor.)
- Clinton, Frederick D., Milwaukee, Wis. Sink structure. No. 60,318; Feb. 7.
- Coty, Francois J. de S., Paris, France. Bottle. No. 60,320; Feb. 7.
- Dallas Brass & Copper Co. (See Stark, Alfred, assignor.)
- Dallas Brass & Copper Co. (See Yokel, Frank, assignor.)
- Damm, Charles F., Buffalo, N. Y. Headlight. No. 60,322; Feb. 7.
- Davidson, Harry I., Portland, Oreg. Automobile ornament. No. 60,323; Feb. 7.
- Davis, Charles S., et al., trustees. (See Gordon, Henry C., assignor.)
- Dowling, William, assignor to Golding Bros. Company, New York, N. Y. Fabric. No. 60,324; Feb. 7.
- Drew, John E., Jersey City, N. J., assignor to Durham Duplex Razor Company, New York, N. Y. Combined razor and blade holder. No. 60,325; Feb. 7.
- Durham Duplex Razor Company. (See Drew, John E., assignor.)
- Eick, Otto, St. Louis, Mo. Rubber heel. No. 60,326; Feb. 7.
- Elgin National Watch Company. (See Goodrow, Francis A., assignor.)
- Embee Distributing Company. (See McManus, George, assignor.)
- Essex Rubber Company. (See Oakley, Laurence M., assignor.)
- Friedley-Voshardt Co. (See Mohrmann, Paul, assignor.)
- Friedley-Voshardt Co. (See Steeple, Reginald C., assignor.)
- Gegenheimer, George, Baldwin, assignor to Golding Bros. Company, New York, N. Y. Fabric. Nos. 60,329-31; Feb. 7.
- Gillinder & Sons, Inc. (See Gillinder, Edgar A., assignor.)
- Gillinder, Edgar A., assignor to Gillinder & Sons, Inc., Philadelphia, Pa. Glass lighting bowl. Nos. 60,332-5; Feb. 7.
- Golding Bros. Company. (See Dowling, William, assignor.)
- Golding Bros. Company. (See Gegenheimer, George, assignor.)
- Goodrow, Francis A., Elgin, assignor to Elgin National Watch Company, Chicago, Ill. Watch dial. No. 60,336; Feb. 7.
- Gordon, Henry C., Muncie, Ind., assignor to himself, Charles S. Davis, and J. Carl O'Hara, trustees. Electric heater. No. 60,337; Feb. 7.
- Greene, Edward J., Toledo, Ohio. Vehicle body for auto stores. No. 60,339; Feb. 7.
- Grier, Garrett L., assignor to The L. D. Caulk Company, Milford, Del. Tray for holding dental instruments and supplies. No. 60,340; Feb. 7.
- Harris, Doris C., Mount Vernon, N. Y. Lady's traveling robe. No. 60,341; Feb. 7.
- Haskell, Raymond, Summit, N. J., assignor to The Texas Company, New York, N. Y. Oil can. No. 60,342; Feb. 7.
- Heater, Philip H., Bucyrus, Ohio. Tire. No. 60,343; Feb. 7.
- Heisey, A. H., & Co. (See Sanford, Andrew J., assignor.)
- Holt, Tempe W., Rocky Mount, N. C. Badge. No. 60,344; Feb. 7.
- Hopping, George L., Pasadena, Calif. Lamp. No. 60,345; Feb. 7.
- International Silver Company. (See Kintz, Alfred G., assignor.)
- Jenkins, Alexander F., Baltimore, Md. Welding torch. No. 60,346; Feb. 7.
- Kersten, Samuel, Chicago, Ill. Faucet. No. 60,347; Feb. 7.
- Kintz, Alfred G., Wallingford, assignor to International Silver Company, Meriden, Conn. Handle for spoons, forks, or similar articles. No. 60,348; Feb. 7.
- Klase, James L., Cranford, A. P. McGrann and J. J. Bach, Elizabeth, N. J. Smoker's tray. No. 60,349; Feb. 7.
- Knapp, Sidney M., New York, N. Y. Duplex socket for electric lamps. No. 60,350; Feb. 7.
- Leavenworth, Seth H., assignor to The Van Bergh Silver Plate Company, Rochester, N. Y. Candelabrum. Nos. 60,351-4; Feb. 7.
- McGrann, Albert P. (See Klase, J. L., McGrann, and Bach.)
- McManus, George, assignor to Embee Distributing Company, New York, N. Y. Game board. No. 60,357; Feb. 7.
- McManus, George, assignor to Embee Distributing Company, New York, N. Y. Spinning card. No. 60,358; Feb. 7.
- Maiglow, Edward, New York, N. Y. Picture frame. No. 60,355; Feb. 7.
- Marr, George M., Philadelphia, Pa. Protective cap. No. 60,356; Feb. 7.
- Meacham, Benjamin E., Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Oven. No. 60,359; Feb. 7.
- Mohrmann, Paul, assignor to Friedley-Voshardt Co., Chicago, Ill. Ceiling plate. No. 60,360; Feb. 7.
- Moore, Harry C., assignor to The Automotive Manufacturing Company, Dayton, Ohio. Combination grease cup and gun. No. 60,361; Feb. 7.
- Morgan, Alfred P., Montclair, N. J. Instrument mount for radiopanel. No. 60,362; Feb. 7.

- Morine, Edwin C., Detroit, Mich. Vehicle cab. No. 60,363; Feb. 7.
 Mund, Samuel M., St. Joseph, Mo. Hat creaser. No. 60,364; Feb. 7.
 Myers, Francis P. (See Blackwell, H. A., and Myers.)
 Oakley, Laurence M., assignor to Essex Rubber Company, Trenton, N. J. Resilient heel lift. No. 60,366; Feb. 7.
 O'Hara, J. Carl, et al., trustees. (See Gordon, Henry C., assignor.)
 Orr, William A. (See Ross, J. W., and Orr.)
 Palmberg, Stone G. (See Quandee, A. A., and Palmberg.)
 Palmolive Co., The. (See Raynor, Harold H., assignor.)
 Parker, Delia I., Vienna, Ill. Burial garment. No. 60,367; Feb. 7.
 Quandee, Alvin A., and S. G. Palmberg, Chicago, Ill. Combination fork and spoon. No. 60,369; Feb. 7.
 Raynor, Harold H., New York, N. Y., assignor to The Palmolive Co., Milwaukee, Wis. Container. No. 60,370; Feb. 7.
 Robins, Max, Chicago, Ill. Carton for face powder. No. 60,372; Feb. 7.
 Rogers, Marguerite, Cambridge, Mass., assignor, by mesne assignments, to The Buteau Sales Company, Incorporated, New York, N. Y. Doll. No. 60,373; Feb. 7.
 Ross, James W., and W. A. Orr, Hamilton, Ontario, Canada; said Orr assignor to said Ross. Headlight lens. No. 60,374; Feb. 7.
 Roth, Louis, assignor to Sterling Bronze Company, New York, N. Y. Radiator cap. No. 60,375; Feb. 7.
 Sabbath, John L., Montreal, Quebec, Canada. Bracelet. No. 60,377; Feb. 7.
 Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Pitcher. No. 60,378; Feb. 7.
 Scott-Ullman Company, The. (See Ullman, Albert, assignor.)
 Segal Metal Products Company. (See Segal, Samuel, assignor.)
 Segal, Samuel, assignor to Segal Metal Products Company, Inc., New York, N. Y. Lock casing. No. 60,379; Feb. 7.
 Simon, Maurice, St. Louis, Mo. Automobile radiator cap. No. 60,380; Feb. 7.
 Stark, Alfred, assignor to Dallas Brass & Copper Co., Chicago, Ill. Lighting fixture. No. 60,381; Feb. 7.
 Stark, Alfred, assignor to Dallas Brass & Copper Co., Chicago, Ill. Lighting fixture. No. 60,382; Feb. 7.
 Steeple, Reginald C., Spokane, Wash., assignor to Friedley-Voshardt Co., Chicago, Ill. Flush switch plate. No. 60,383; Feb. 7.
 Sterling Bronze Company. (See Roth, Louis, assignor.)
 Texas Company, The. (See Haskell, Raymond, assignor.)
 Ullman, Albert, assignor to The Scott-Ullman Company, Cleveland, Ohio. Arm for lighting fixtures. No. 60,385; Feb. 7.
 Van Bergh Silver Plate Company, The. (See Leavenworth, Seth H., assignor.)
 Wegenaar, Louis A., Brooklyn, N. Y. Receptacle for toilet powder and other commodities. Nos. 60,386-7; Feb. 7.
 Westinghouse Lamp Company. (See Blackwell, William T., assignor.)
 White & Wyckoff Manufacturing Company. (See Burkhardt, George R., assignor.)
 Winters, Frederick V., New York, N. Y. Tire tread. No. 60,389; Feb. 7.
 Witzberger, Etienne, Carnegie, Pa., assignor to Witzberger Heating Appliances Company. Heater. No. 60,390; Feb. 7.
 Witzberger Heating Appliances Company. (See Witzberger, Etienne, assignor.)
 Wolkow, I. L., Louisville, Ky. Radiator cap. No. 60,391; Feb. 7.
 Yokel, Frank, Hartford, Conn., assignor to Dallas Brass & Copper Co., Chicago, Ill. Lighting fixture. No. 60,392; Feb. 7.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- Ahbell Battery Container Corporation, Chicago, Ill. Battery containers. No. 151,415; Feb. 7.
- Allen-Bradley Company, Milwaukee, Wis. Electrical controlling devices. No. 151,417; Feb. 7.
- American Bronze Corporation, Berwyn, Pa. Bushings and bearings. No. 151,418; Feb. 7.
- Ames, Fred W., New Orleans, La. Tooth wash. No. 151,419; Feb. 7.
- Apfel, Philip F., Seattle, Wash. Electric heating units. No. 151,420; Feb. 7.
- Arend, A., Drug Co., Chicago, Ill. Laxative tablets. No. 151,421; Feb. 7.
- Armstrong Chemical Company, Washington, D. C. Hair restorative. No. 151,422; Feb. 7.
- Arnold, Joseph A., Providence, R. I. Medicinal preparation for hay fever. No. 151,423; Feb. 7.
- Au-To Compressor Co., The, Wilmington, Ohio. Fluid-compressor outfits, wrenches, pliers, etc. No. 151,424; Feb. 7.
- Baker-Wachter Company, The, Cleveland, Ohio. Cutting tools for metal working machines. No. 151,425; Feb. 7.
- Baruxes, Christ, Newark, Ohio. Hard and soft candies, bonbons, chocolates, and marshmallows. No. 151,426; Feb. 7.
- Beccard, Emil B., St. Louis, Mo. Printers' ink varnish. No. 151,427; Feb. 7.
- Becker, Harry T. A., London, England. Intestinal disinfectant. No. 151,428; Feb. 7.
- Bessie & Company, Indianapolis, Ind., and Louisville, Ky. Churns, cream mixers, cream separators, pasteurizers, etc. No. 151,429; Feb. 7.
- Bethlehem Steel Company, Bethlehem, Pa. Steel rails. No. 151,430; Feb. 7.
- Birtman Electric Company, Chicago, Ill. Electric motors. No. 151,431; Feb. 7.
- Bishop, Joseph H., Baltimore, Md. Hair tonic. No. 151,432; Feb. 7.
- Boericke & Runyon Co., San Francisco and Oakland, Calif. Medicines and pharmaceutical preparations. No. 151,433; Feb. 7.
- Booth, Samuel M., Billings, Mont. Medicine for use as a blood purifier. No. 151,434; Feb. 7.
- Bremer, O. A., Co., Burlington, Iowa. Certain machinery and tools. No. 151,435; Feb. 7.
- Brill, Alfred B., Stratford, Conn. Tooth paste. No. 151,436; Feb. 7.
- Bryant Electric Company, The, Bridgeport, Conn. Electric lamp sockets and switches and parts thereof. No. 151,437; Feb. 7.
- Bryant Zinc Company, Chicago, Ill. Electric highway-crossing signal. No. 151,438; Feb. 7.
- Butcher, W. & S., Limited, Sheffield, England. Razors, scissors, knives, files, etc. No. 151,439; Feb. 7.
- Butler & Cosgrave, San Angelo, Tex. Laxative aspirin tablets for headaches, colds, la grippe, etc. No. 151,440; Feb. 7.
- Eyington, Robert J., San Francisco, Calif. Electric lighting fixtures, sadirons, and batteries. No. 151,441; Feb. 7.
- California Growers Association, Inc., Los Angeles, Calif. Canned fruits and vegetables. No. 151,442; Feb. 7.
- Cartier, Inc., New York, N. Y. Watches and clocks. No. 151,443; Feb. 7.
- Cheramy, Inc., New York, N. Y. Perfumes, sachets, talcum powder, face powder, cold cream, etc. Nos. 151,444-7; Feb. 7.
- Chicago Pneumatic Tool Company, New York, N. Y. Pneumatic chipping and riveting hammers and drills and repair parts thereof. No. 151,448; Feb. 7.
- Citizens' Wholesale Supply Company, The, Columbus, Ohio. Coffee makers and percolators. No. 151,449; Feb. 7.
- Cloud Accessories Corporation, The, Chicago, Ill. Spark plugs for internal-combustion engines. Nos. 151,450-1; Feb. 7.
- Cloud Accessories Corporation, The, Chicago, Ill. Automobile accessories, particularly spark plugs. No. 151,452; Feb. 7.
- Cobwell Corporation, Cleveland, Ohio. Sanitation process and organic-waste-reduction systems and parts thereof. No. 151,453; Feb. 7.
- Cookson & Co. Limited, Newcastle-upon-Tyne, England. Oxid of antimony and pigments made therefrom. No. 151,454; Feb. 7.
- Coty, Francois J. de S., Suresnes, France. Face-powder. No. 151,463; Feb. 7.
- Cudahy Packing Company, The, Chicago, Ill. Shredded soap. No. 151,455; Feb. 7.
- Cullinan, Harry H., Flats, Nebr. Stock gestation compound. No. 151,456; Feb. 7.
- Cuno Engineering Corporation, The, Meriden, Conn. Electric lamps, starting, and ignition devices for gas engines, etc. No. 151,457; Feb. 7.
- Darwin & Milner, Inc., New York, N. Y. Certain metal tools for cutting and forming. No. 151,459; Feb. 7.
- Dee, David G., Chicago, Ill. Electric automatic fire detectors. No. 151,460; Feb. 7.
- De La Rue, Thomas, and Company, Limited, London, England. Certain molded electrical insulators and insulating appliances and fittings. No. 151,461; Feb. 7.
- De Leary, Daniel, Detroit, Mich. Medical compound for the treatment of consumption. No. 151,462; Feb. 7.
- Dochtermann, George T., Passaic, N. J. Spark plug. No. 151,464; Feb. 7.
- Dunn, John, Son & Co., New York, N. Y. Certain cutlery, machinery, and tools. No. 151,465; Feb. 7.
- Du Pont-Young Corporation, Boston, Mass., and New York, N. Y. Certain preparations. No. 151,466; Feb. 7.
- Electric Manufacturing Company, San Francisco, Calif. Certain electrical devices. No. 151,467; Feb. 7.
- Erlenger, August, New York, N. Y. Medicinal preparation for treatment of certain diseases. No. 151,468; Feb. 7.
- Exchange Orange Products Company, The, San Dimas, Calif. Insect poison. No. 151,469; Feb. 7.
- Fairy Dye Co., Chicago, Ill. Cloth dyes. No. 151,470; Feb. 7.
- Far East Products Co., Yonkers, N. Y. Face powders, cold creams, etc. No. 151,472; Feb. 7.
- Fantis & Cutsogorge, New York, N. Y. Olive oil. No. 151,471; Feb. 7.
- Federal Machine and Welder Co., The, Warren, Ohio. Electric welders and parts thereof. No. 151,473; Feb. 7.
- Federal Rubber Company, The, Cudahy, Wis. Mallets made wholly or partly of rubber. Nos. 151,474-6; Feb. 7.
- Ferrara, William J., Charleston, S. C. Salves for skin eruptions and sores. No. 151,477; Feb. 7.
- Fink, Richard, Brooklyn, N. Y. Arsenic complexion wafers. No. 151,478; Feb. 7.
- Foyer, Chas. A., & Company, Cleveland, Ohio. Typewriter ribbons and carbon paper. No. 151,479; Feb. 7.
- Franchina, Louis B., Cleveland, Ohio. Hair tonics. No. 151,480; Feb. 7.
- Franco-American College, Inc., Mount Holly, N. J., and Philadelphia, Pa. Certain toilet preparations. No. 151,481; Feb. 7.
- Franklin Silver Plate Company, Greenfield, Mass. Certain precious-metal ware. No. 151,482; Feb. 7.
- Gaebler, Adolph N., St. Louis, Mo. Laxative pills. No. 151,483; Feb. 7.
- Garai, Dr. Frank, New York, N. Y. Oily emulsion of argenti nitras. No. 151,484; Feb. 7.
- Gawurin, Leon, New York, N. Y. Preparation used internally for coughs, colds, and headaches. No. 151,485; Feb. 7.
- Geigy Company Inc., New York, N. Y. Dyestuffs. No. 151,486; Feb. 7.
- General Electric Company, Schenectady, N. Y. Asbestos-insulated electric wires. No. 151,487; Feb. 7.
- General Electric Company, Schenectady, N. Y. Electric-light fixtures. No. 151,488; Feb. 7.
- General Electric Company, Schenectady, N. Y. Outlet boxes and fittings. No. 151,489; Feb. 7.
- Gibson-Snow Co. Inc., Albany, N. Y. Salve or ointment for certain uses. No. 151,490; Feb. 7.
- Givens, Edward S., Kansas City, Mo. Toilet preparation—viz., face lotion. No. 151,491; Feb. 7.
- Gladiator Manufacturing Company, Auburn, Ind. Timers for electrical ignition system for hydrocarbon engines. No. 151,492; Feb. 7.
- Graff, Washbourne & Dunn, New York, N. Y. Electric fans and heaters. No. 151,493; Feb. 7.
- Greengard, Louis, St. Louis, Mo. Medicinal preparation for colds, la grippe, headaches, influenza. No. 151,494; Feb. 7.
- Greer, Edward F., Vandalia, Ill. Preparation for treatment of pyorrhea. No. 151,495; Feb. 7.
- Gutter, B. & Sons, New York, N. Y. Watches, watchcases, and watch movements. Nos. 151,496-8; Feb. 7.
- Haloid Company, The, Rochester, N. Y. Photographic developing paper. No. 151,499; Feb. 7.
- Halper, Victor, New York, N. Y. Medicinal preparation. No. 151,500; Feb. 7.
- Hamilton & Hansell, New York, N. Y. Nautical speedometers, logs, and distance recorders. No. 151,501; Feb. 7.
- Hand, W. L., & Company, Charlotte, N. C. Remedy for biliousness, colds, etc. No. 151,502; Feb. 7.
- Hassinger, Egon, Barcelona, Spain. Carbon paper. No. 151,503; Feb. 7.
- Hinckley & Schmitt, Chicago, Ill. Drinking water, ginger ale, root beer, and sarsaparilla. No. 151,504; Feb. 7.
- Hoffa, Frederick, New York, N. Y. Optical lenses. No. 151,505; Feb. 7.
- Hofstra, Edward C., Company, The, Tulsa, Okla. Insecticides. No. 151,506; Feb. 7.
- Hogan-Spencer-Whitley Company, Erie, Pa. Laundry washing machines. No. 151,507; Feb. 7.

- Home Electric Lighting Company, East Orange, N. J. Electric generating plants. No. 151,508; Feb. 7.
- Household Remedies Company, Birmingham, Ala. Certain medicinal and pharmaceutical preparations. No. 151,509; Feb. 7.
- Ingersoll-Rand Company, Jersey City, N. J., and New York, N. Y. Certain tools and machinery and repair parts therefor. No. 151,510; Feb. 7.
- Ingraham, Langley, Philadelphia, Pa. Liquid preservation coating for automobile tires. No. 151,511; Feb. 7.
- International Salt Co. of New York, New York, N. Y. Salt. No. 151,512; Feb. 7.
- Irokese Trading Corporation, New York, N. Y. Clocks. No. 151,513; Feb. 7.
- Iron King Manufacturing Company, The, Bradner, Ohio. Oil-well pulling machinery. No. 151,514; Feb. 7.
- Jaburg-Miller Co. Inc., New York, N. Y. Certain bakery machinery. No. 151,515; Feb. 7.
- Jackson, Pauline H., Birmingham, Ala. Hair toner. No. 151,516; Feb. 7.
- Jean, Chas. A., Anna, Ill. Compound nut butter, apple butter, catsup, and honey. No. 151,517; Feb. 7.
- Johnson, George S., Detroit, Mich. Face cream. No. 151,518; Feb. 7.
- Kalish, Julius, Inc., New York, N. Y. Powder used as an insect destroyer. No. 151,520; Feb. 7.
- King, Rena P., Shelby, Miss. Certain toilet preparations. No. 151,521; Feb. 7.
- Kirkpatrick, John R., Jr., Atlanta, Ga. Preparation for use internally in the treatment of certain named ailments. No. 151,522; Feb. 7.
- Kodyte Laboratories, The, New York, N. Y. Carbon-removing compound. No. 151,523; Feb. 7.
- Kovacs, Koloman, Duquesne, Pa. Certain chemical, medicinal, and pharmaceutical preparations. No. 151,525; Feb. 7.
- Kozlowski, Boleslaw R., Chicago, Ill. Ferrated bitter wine to be used as a general tonic. No. 151,526; Feb. 7.
- Kramer, H., & Co., Chicago, Ill. Metal products consisting of ferrous and non-ferrous castings. No. 151,527; Feb. 7.
- Lanka, Gus, Los Angeles, Calif. Poultry medicinal powder. No. 151,528; Feb. 7.
- Leon, Benjamin, Camden, N. J. Candy. No. 151,529; Feb. 7.
- Levinstein, Max, Brooklyn, N. Y. Beauty cream. No. 151,530; Feb. 7.
- Lindsey, Margaret J., Muncie, Ind. Face lotion and beautifier. No. 151,531; Feb. 7.
- Long, Tony, Chicago, Ill. Liquid preparation for the alleviation of rheumatism. No. 151,532; Feb. 7.
- Louisville Electric Manufacturing Company, Louisville, Ky. Portable electrically-driven tools, electric motors, electric generators, etc. No. 151,533; Feb. 7.
- Lukert, William, Moriches, N. Y. Live and dressed poultry. No. 151,534; Feb. 7.
- Luminite Company, The, New York, N. Y. Timepieces. No. 151,535; Feb. 7.
- Mackey, J. L., Charleston, Tenn. Medicine for use in the treatment of headaches, etc. No. 151,539; Feb. 7.
- Magland, Solomon, Chicago, Ill. Ointment for the treatment of sunburn, tan, freckles, pimples, etc. No. 151,540; Feb. 7.
- M. & S. Co., New York, N. Y. Massage cream for softening and beautifying the skin. No. 151,551; Feb. 7.
- Mattutat, Ernest F., New York, N. Y. Hemoglobin medical tablets. No. 151,541; Feb. 7.
- McCallum, James P., Jackson, Tenn. Medicine used for certain ailments. No. 151,536; Feb. 7.
- McCarthy, J. D., Co., New York, N. Y. Carbon paper. No. 151,537; Feb. 7.
- McFaddin, H. G., & Co., New York, N. Y. Certain portable electric-lighting fixtures. No. 151,538; Feb. 7.
- Mead, M. A., Company, Chicago, Ill. Watches, watch movements, and watchcases. No. 151,542; Feb. 7.
- Merck & Co. Medicinal dye. No. 151,544; Feb. 7.
- Michand, W. H., Beaverton, Mich. Certain veterinary preparations. No. 151,548; Feb. 7.
- Müller, John, Mobile, Ala. Antiseptic and eczema preparation. No. 151,549; Feb. 7.
- Milligan, John C., Louisville, Ky. Compound for treating corns, callouses, warts, and bunions. No. 151,550; Feb. 7.
- Melchior, George F., Chicago, Ill. Hair tonic, dandruff remedy. No. 151,543; Feb. 7.
- Merritt, S. W., & Co., New York, N. Y. Unitary electric-lighting plants. No. 151,545; Feb. 7.
- Metal Spinning & Plating Co., The, assignor to Lyon Manufacturing Company, Inc., Baltimore, Md. Electric parking lamps for automobiles. No. 151,546; Feb. 7.
- Meyer & Stüdel, Societe Anonyme, Soleure, Switzerland. Watches, clocks, and parts thereof. No. 151,547; Feb. 7.
- Meyer, Trust Estate of Adolph C., deceased, Baltimore, Md. Certain medicinal and pharmaceutical preparations. Nos. 151,609-13; Feb. 7.
- Meyer, Trust Estate of Adolph C., deceased, Baltimore, Md. Liniment for external application. No. 151,614; Feb. 7.
- Mun-Kea Products Corporation, Los Angeles, Calif. Stamped pads for inking rubber stamps. No. 151,552; Feb. 7.
- National Aniline & Chemical Company, Inc., New York, N. Y. Dyes, dyestuffs, and colors. Nos. 151,553-8; Feb. 7.
- National Carbon Company, Inc., New York, N. Y. Electrodes for electric furnace and electrolyte operations. No. 151,559; Feb. 7.
- Navajo Laboratories, Inc., Caspar, Wyo. Radiator compound. No. 151,560; Feb. 7.
- Neeb, Arthur B., Minneapolis, Minn. Automatic liquid-spraying systems for purifying the air of buildings. No. 151,561; Feb. 7.
- New Jersey Optical Co., Newark, N. J. Spectacle and eyeglass frames and mountings. No. 151,562; Feb. 7.
- New York Quebracho Extract Company, New York, N. Y. Tanning extracts. Nos. 151,563-5; Feb. 7.
- Novak, Gilbert J., Philadelphia, Pa. Preparation for certain named uses. No. 151,566; Feb. 7.
- Nuforal Laboratories, Inc., New York, N. Y. Preparation to be used in the treatment of hog cholera. No. 151,567; Feb. 7.
- Oil City Engine and Power Company, Oil City, Pa. Gas engines and certain other machinery. No. 151,568; Feb. 7.
- Oldham, Harry D., Urbana, Ill. Liniments or embrocations for certain uses. No. 151,569; Feb. 7.
- Osram, G. m. b. H., Kommanditgesellschaft, Berlin, Germany. Electric incandescent lamps and their parts. No. 151,574; Feb. 7.
- Palmer, Solon, New York, N. Y. Hair dye. No. 151,591; Feb. 7.
- Parker, Nellie, Oakland, Calif. Preparation for the removal of superfluous hair from the human face and body. No. 151,570; Feb. 7.
- Parsons, J. H., Chemical Company, Chicago, Ill. Boiler compounds. No. 151,571; Feb. 7.
- Peerless Carton & Ribbon Mfg. Co. Inc., New York, N. Y. Stamp pads. No. 151,572; Feb. 7.
- Penetro Chemical Company, Atlantic City, N. J., and Philadelphia, Pa. Mouth wash. No. 151,573; Feb. 7.
- Pittsburgh Electric Furnace Corporation, Pittsburgh, Pa. Electrometallurgical furnaces. No. 151,574; Feb. 7.
- Plangon, Emile P., Brooklyn, N. Y. Ointment for the treatment of certain ailments. No. 151,575; Feb. 7.
- Railway Specialty Company, The, Atchison, Kans. Certain machinery and tools. No. 151,576; Feb. 7.
- Randazzo, Isidoro, Kansas City, Mo. Medicinal preparations for stomach, liver, and kidney troubles. No. 151,577; Feb. 7.
- Ressler, Isidore, Detroit, Mich. Deodorant and disinfectant. No. 151,578; Feb. 7.
- Rhinol Co. Inc., New York, N. Y. Antiseptic powder for treatment of the nose and throat. No. 151,579; Feb. 7.
- Rhyme, Wayne F., Rome, Ga. General tonic. No. 151,580; Feb. 7.
- Riedel, J. D., Aktiengesellschaft, Berlin-Brandenburg, Germany. Potash salt of the cyan-mercury-salicylic acid. No. 151,416; Feb. 7.
- Riley, W. E., & Company, Bristow, Okla. Hair restorer. No. 151,581; Feb. 7.
- Rittenhouse, David L., Norristown, Pa. Skin-lotion. No. 151,582; Feb. 7.
- Roberts, William, St. Louis, Mo. Certain medicinal preparations. No. 151,583; Feb. 7.
- Robins, Max, Chicago, Ill. Face powder. No. 151,584; Feb. 7.
- Rochester Stamping Company, Rochester, N. Y. Certain tableware. No. 151,585; Feb. 7.
- Rowe, Mable, Detroit, Mich. Hair tonic. No. 151,586; Feb. 7.
- Rub-Tex Products Inc., Indianapolis, Ind. Electric-storage-battery boxes and parts thereof. No. 151,587; Feb. 7.
- Rutkay, Michael, Philadelphia, Pa. Medicine for asthma. No. 151,588; Feb. 7.
- Sackerman, Louis E., Baltimore, Md. Watches and clocks. No. 151,589; Feb. 7.
- Sanitas Company Inc., The, Jersey City, N. J., and Brooklyn, N. Y. Certain pharmaceutical and toilet preparations. No. 151,590; Feb. 7.
- Sanitation Corporation, The, Jersey City, N. J., and New York, N. Y. Sanitation-process sewage-treatment systems and parts thereof. No. 151,592; Feb. 7.
- Schering & Glatz, Inc., New York, N. Y. Medicinal preparation for the treatment of gallstones. No. 151,593; Feb. 7.
- Schueller, E., Paris, France. Certain chemical, pharmaceutical, and toilet preparations. No. 151,594; Feb. 7.
- Schwob, Adolphe, Inc., New York, N. Y. Watches. No. 151,595; Feb. 7.
- Scintilla, Solothurn, Switzerland. Electric clocks and watches of all kinds and parts thereof. No. 151,596; Feb. 7.
- Segalas, Chas., Company, San Francisco, Calif. General tonic. No. 151,597; Feb. 7.
- Seligman, Samuel, New York, N. Y. Electrical burglar-alarm systems and parts thereof. No. 151,598; Feb. 7.
- Sewell, Joseph W., Hot Springs, Ark. Preparation used in the treatment of rheumatism. No. 151,599; Feb. 7.
- Sharp Spark Plug Company, The, Cleveland, Ohio. Spark plugs. No. 151,600; Feb. 7.
- Sioux Falls Coffee & Spice Co., Sioux Falls, S. D. Roasted coffee. No. 151,601; Feb. 7.
- Steinacker, Frank W., Cleveland, Ohio. Nonferrous and ferrous alloys. No. 151,602; Feb. 7.

- Stoner, Fannie B., Providence, Ky. Hair grower. No. 151,603; Feb. 7.
- Suckling Limited, Birmingham, England. Certain precious-metal ware. No. 151,604; Feb. 7.
- Super Art Productions, Los Angeles, Calif. Motion pictures. No. 151,605; Feb. 7.
- T. & T. Dandruff Remedy Company, East St. Louis, Ill. Dandruff remedy. No. 151,458; Feb. 7.
- Texas Film Company, Denton, Tex., and Los Angeles, Calif. Motion-picture films. No. 151,606; Feb. 7.
- Thornton, Lewis, Kansas City, Kans. Medicine for rheumatism. No. 151,607; Feb. 7.
- Thurman, Mrs. Francis, Casper, Wyo. Face powder, rouge, toilet waters, etc. No. 151,608; Feb. 7.
- Tomoda Goshi Kaisha, Tokyo, Japan. Preparation for gonorrhea. No. 151,519; Feb. 7.
- United Royalties Corporation, New York, N. Y. Can openers. No. 151,615; Feb. 7.
- Upson Company, The, Lockport, N. Y. Metallic fasteners for wallboards. No. 151,616; Feb. 7.
- Vassar, Homer E., Worcester, Mass. Chemical carbon remover. No. 151,617; Feb. 7.
- Vaycide Chemical Corporation, Birmingham, Ala. Medicinal preparation for poultry to stimulate egg laying. No. 151,618; Feb. 7.
- Vaycide Chemical Corporation, Birmingham, Ala. Medicinal preparation for poultry. Nos. 151,619-21; Feb. 7.
- Vick, Albert F. W., Philadelphia, Pa. Material for filling cavities in trees. No. 151,622; Feb. 7.
- Vimco Mfg. Company, Inc., Buffalo, N. Y. Portable electric lamps. No. 151,623; Feb. 7.
- Vivaudou, V., Inc., New York, N. Y. Face, talcum, and toilet powders. No. 151,624; Feb. 7.
- Voss Brothers Manufacturing Co., Davenport, Iowa. Laundry washing machines. Nos. 151,625-7; Feb. 7.
- Wacker, George W., Rutherford, N. J. Electric thief and burglar alarms. No. 151,628; Feb. 7.
- Walinder, Mathilda, Chicago, Ill. Antiseptic healing salve. No. 151,630; Feb. 7.
- Wallace & Co., Brooklyn, N. Y. Candies. No. 151,629; Feb. 7.
- Wayne Oil Tank & Pump Company, Fort Wayne, Ind. Certain pumps, stands, systems and outfits for handling or using certain fluids. No. 151,631; Feb. 7.
- Weidler, Francis B., Los Angeles, Calif. Hair tonic. No. 151,632; Feb. 7.
- Werle et Compagnie, Rheims, France. Champagne wines. No. 151,633; Feb. 7.
- Western Battery & Supply Company, The, Denver, Colo. Storage batteries. No. 151,634; Feb. 7.
- Western Chemical Company, Inc., Redfield, S. D., and Hutchinson, Minn. Antiseptic solution. No. 151,635; Feb. 7.
- Western Hair Goods Co., Chicago, Ill. Hair-dye remover. No. 151,636; Feb. 7.
- Western Industries Co., San Francisco, Calif. Denatured alcohol. No. 151,637; Feb. 7.
- Wickwire Spencer Steel Corporation, Worcester, Mass. Combination packages of wire culinary and kitchen utensils. No. 151,638; Feb. 7.
- Wiechman Pattern Company, The, Cincinnati, Ohio. Shoe patterns. No. 151,639; Feb. 7.
- Wilder, Harry H., San Diego, Calif. Medicine for the treatment of asthma, hay fever, etc. No. 151,640; Feb. 7.
- Wiley, John J., Dayton, Ohio. Indigestion and stomach medicine. No. 151,641; Feb. 7.
- Wilkes & Seaman Co., Louisville, Ky. Baking powder. No. 151,642; Feb. 7.
- Williams, J. H., & Co., Brooklyn, N. Y. Drop forgings, castings, stampings, steels. No. 151,643; Feb. 7.
- Williams, Lewis L., East Boston, Mass. Hair tonic. No. 151,643; Feb. 7.
- Worcester Salt Co., Silver Springs and New York, N. Y. Salt—i. e., sodium chloride. Nos. 151,647-8; Feb. 7.
- Winchester Repeating Arms Co., New Haven, Conn. Flash lights and electric batteries. No. 151,645; Feb. 7.
- Wisconsin Iron Store Inc., The, Rice Lake, Wis. Spark plugs. No. 151,646; Feb. 7.
- Wunder, Minnie, Los Angeles, Calif. Superfluous-hair remover. No. 151,649; Feb. 7.
- Yeastole Company, The, Eureka Springs, Ark. Yeast. No. 151,650; Feb. 7.
- York Laboratories Company, York, Pa. Medical compound for the treatment of venereal diseases. No. 151,651; Feb. 7.
- Youngstown Sheet & Tube Company, The, Youngstown, Ohio. Iron and steel pipe and pipe couplings. No. 151,652; Feb. 7.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

- American Printing Company, Fall River, Mass. "Plaza Pongee." (For Cotton Piece Goods.) No. 23,980; Feb. 7.
- American Printing Company, Fall River, Mass. "Leonard Percale." (For Cotton Piece Goods.) No. 23,981; Feb. 7.
- American Printing Company, Fall River, Mass. "Delmar Percale." (For Cotton Piece Goods.) No. 23,982; Feb. 7.
- American Printing Company, Fall River, Mass. "Challie de Mousseline." (For Cotton Piece Goods.) No. 23,983; Feb. 7.
- American Printing Company, Fall River, Mass. "Hanlon Percale." (For Cotton Piece Goods.) No. 23,984; Feb. 7.
- American Printing Company, Fall River, Mass. "Rumson Cambric." (For Cotton Piece Goods.) No. 23,985; Feb. 7.
- American Printing Company, Fall River, Mass. "Gingham Effects." (For Cotton Piece Goods.) No. 23,986; Feb. 7.
- American Printing Company, Fall River, Mass. "Decatur Pongee." (For Cotton Piece Goods.) No. 23,987; Feb. 7.
- American Printing Company, Fall River, Mass. "Nyle Printed Pongee." (For Cotton Piece Goods.) No. 23,988; Feb. 7.
- American Printing Company, Fall River, Mass. "Bungalow Cretonne." (For Cotton Piece Goods.) No. 23,989; Feb. 7.
- American Printing Company, Fall River, Mass. "Majestic Cambric." (For Cotton Piece Goods.) No. 23,990; Feb. 7.
- American Printing Company, Fall River, Mass. "American Cambric." (For Cotton Piece Goods.) No. 23,991; Feb. 7.
- American Printing Company, Fall River, Mass. "Arizona Plain Pongee." (For Cotton Piece Goods.) No. 23,992; Feb. 7.
- American Printing Company, Fall River, Mass. "American Scout Percale." (For Cotton Piece Goods.) No. 23,993; Feb. 7.
- Anderson, John A., Chicago, Ill. "Ora-Solis." (For a Dental Wash and Astringent Valuable Aid in the Prevention of Pyorrhea Alveolaris, Receding and Bleeding Gums.) No. 23,994; Feb. 7.
- Baldwin, Henry P., Limited, Lahaina, Territory of Hawaii. "Native." (For Canned Pineapple.) No. 23,993; Feb. 7.
- Beardsley, Calvin L., Rock Island, Ill. "Queen Bess." (For Sirupy Extract.) No. 23,996; Feb. 7.
- Bond, Joseph W., New York, N. Y. "Original Bond Extract." (For Bottles Containing Nonalcoholic Beverages.) No. 23,997; Feb. 7.
- Buckeye Brass and Manufacturing Company, The, Cleveland, Ohio. "Buckeye." (For Receptacles Containing Bearings and Bushings.) No. 23,998; Feb. 7.
- Candy Craft, Inc., Chicago, Ill. "Little Jack Horner." (For Candies—Namely, Kiddie Junior Candies.) No. 23,999; Feb. 7.
- Candy Craft, Inc., Chicago, Ill. "Red Riding Hood." (For Candies—Namely, Kiddie Junior Candies.) No. 24,000; Feb. 7.
- Candy Craft, Inc., Chicago, Ill. "Old Mother Hubbard." (For Candies—Namely, Kiddie Junior Candies.) No. 24,001; Feb. 7.
- Candy Craft, Inc., Chicago, Ill. "Mary's Little Lamb." (For Candies—Namely, Kiddie Junior Candies.) No. 24,002; Feb. 7.
- Elmer Candy Co. Inc., New Orleans, La. "Elmer's Pick O' Sweets." (For Candy.) No. 24,003; Feb. 7.
- Federal Slipper Co. Inc., New York, N. Y. "Original Puss in Boot." (For Felt Boots or Slippers.) No. 24,004; Feb. 7.
- Gebhardt Chili Powder Co., San Antonio, Tex. "Deviled Chili Meat." (For Deviled Chili Meat.) No. 24,005; Feb. 7.
- Glass, Jackson C. E., Oakland, Calif. "Silk Tissue." (For Toilet Paper.) No. 24,006; Feb. 7.
- Gordon, H. Co., The, Jacksonville, Fla. "Jax-Avana." (For Cigars.) No. 24,007; Feb. 7.
- Kaempfer's, Inc., Chicago, Ill. "Excelsior Song Improver." (For a Bird Remedy.) No. 24,008; Feb. 7.
- Kroger Grocery and Baking Co., The, Cincinnati, Ohio. "Avondale." (For Canned Peas.) No. 24,009; Feb. 7.
- Kroger Grocery & Baking Co., The, Cincinnati, Ohio. "French Brand." (For Coffee.) No. 24,010; Feb. 7.
- Lantz Bros. Baking Co., St. Louis, Mo. "Grandma's Cake." (For Cake.) No. 24,011; Feb. 7.
- Lantz Bros. Baking Co., St. Louis, Mo. "Prepared Mustard." (For Prepared Mustard.) No. 24,012; Feb. 7.
- McKeigue, Thomas F., Janesville, Wis. "Grand Duke." (For Cigars.) No. 24,013; Feb. 7.
- Mickelberry's Food Products Co., Chicago, Ill. "Mickelberry's Old Farm Brand." (For Sausage.) No. 24,014; Feb. 7.
- Milwaukee Paper Box Company, Milwaukee, Wis. "Chocolates." (For Boxes Containing Chocolate Candy.) No. 24,015; Feb. 7.
- Milwaukee Paper Box Company, Milwaukee, Wis. "Candies." (For Boxes Containing Candy.) No. 24,016; Feb. 7.

Motor Products Company, Los Angeles, Calif. "Vapooile." (For Cans Containing Vapooile.) No. 24,017; Feb. 7.
 Mutual Oil Company, Kansas City, Mo. "Sweeping Compound." (For Sweeping Compound.) No. 24,018; Feb. 7.
 Saniwax Paper Co., Kalamazoo, Mich. "Br'er Rabbit." (For Bread.) No. 24,019; Feb. 7.
 Sitroux Importing Company, Inc., New York, N. Y. "Fairest." (For Hair Nets.) No. 24,020; Feb. 7.
 Summit Varnish Company, Chicago and Summit, Ill. "Summit Varnish Company." (For Wood Finishes.) No. 24,021; Feb. 7.
 Swanson, C. & Sons, Mankato, Minn. "Lighting Drainage." (For a Preparation for Cleaning Drain Pipes.) No. 24,022; Feb. 7.

Waxtwell Paper Company, Grand Rapids, Mich. "Home Made." (For Bread.) No. 24,023; Feb. 7.
 Waxtwell Paper Company, Grand Rapids, Mich. "Peerless." (For Bread.) No. 24,024; Feb. 7.
 Waxtwell Paper Company, Grand Rapids, Mich. "Home Made." (For Bread.) No. 24,025; Feb. 7.
 Waxtwell Paper Company, Grand Rapids, Mich. "Milk Maid." (For Bread.) No. 24,026; Feb. 7.
 Waxtwell Paper Company, Grand Rapids, Mich. "Farm House." (For Bread.) No. 24,027; Feb. 7.
 Waxtwell Paper Company, Grand Rapids, Mich. "Perfection." (For Bread.) No. 24,028; Feb. 7.
 Waxtwell Paper Company, Grand Rapids, Mich. "Golden Glow." (For Bread.) No. 24,029; Feb. 7.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A/S Trondhjem Canning and Export Co., Trondhjem, Norway. Canned fish. No. 140,219; Feb. 7.
 Acme Machine Tool Co., The, Cincinnati, Ohio. Machine tools. No. 152,225; Feb. 7.
 Aitchison & Company, New York, N. Y. Cases, boxes, containers for eyeglasses, opera and field glasses, lenses, compasses, etc. No. 157,089; Feb. 7.
 Allen, Clark J., Minneapolis, Minn. Composition for removing scale from boilers and radiators. No. 153,635; Feb. 7.
 Ambassador Chocolate Company, Baltimore, Md. Candies, chocolate-covered nuts, nougats, liquid cordial cherries, etc. No. 153,576; Feb. 7.
 American Calendar Company, The, Greenville, Tenn. Calendars, an annual publication. No. 141,893; Feb. 7.
 American Hominy Company, Indianapolis, Ind. Corn sirup for food purposes. No. 150,581; Feb. 7.
 American Steel & Wire Company of New Jersey, The, Cleveland, Ohio. Wire rope and cables and aeroplane cables. No. 156,136; Feb. 7.
 American Steel & Wire Company of New Jersey, The, Aerial tramway towers and wire and wire mesh for concrete reinforcement. No. 156,138; Feb. 7.
 American Steel & Wire Company of New Jersey, The, Cleveland, Ohio. Electrical wires, covered or uncovered, and rail bonds. No. 156,139; Feb. 7.
 Anaconda Copper Mining Company, Anaconda and Butte, Mont., and New York, N. Y. Fertilizers. No. 145,199; Feb. 7.
 Anchor Packing Company, The, Philadelphia, Pa. Machinery packing. No. 144,892; Feb. 7.
 Anderson-Tully Company, Memphis, Tenn. Lumber. No. 155,134; Feb. 7.
 Asensin Company of America, New York, N. Y. Local anesthetic. Nos. 154,952-3; Feb. 7.
 Aviston Flour Company, Inc., Jackson, Miss. Stock and poultry feed. No. 151,571; Feb. 7.
 Bastanchury Ranch Company, Fullerton, Calif. Fresh citrus fruits. No. 153,435; Feb. 7.
 Bayer Company, Inc., The, New York, N. Y. Preparations of medicines for pains and aches of nervous or organic origin, rheumatism, etc. No. 157,406; Feb. 7.
 Beacon Chocolate Company, Boston, Mass. Carbonated maltless soft drinks and sirups therefor. Nos. 119,392-3; Feb. 7.
 Becker Provision Co., Little Rock, Ark. Hams, bacons, butter, eggs, and sausage. No. 151,252; Feb. 7.
 Benedict, C. Mfg. Co., San Francisco, Calif. Brassières, bandeaux, ready-made dress linings, waterproof aprons, baby pants, corsets, hose supporters, etc. No. 147,547; Feb. 7.
 Benoliel, Solomon D., Philadelphia, Pa. Cleaners for metal, japanning, galvanizing, and rough cleaning. No. 151,861; Feb. 7.
 Borden's Farm Products Company, Inc., Wassaic and New York, N. Y. Butter, cheese, ice cream, and eggs. No. 151,249; Feb. 7.
 Borden's Farm Products Company, Inc., Wassaic and New York, N. Y. Milk, cream, and buttermilk. No. 151,250; Feb. 7.
 Boyer, Frank A., Philadelphia, Pa. Glue. No. 156,211; Feb. 7.
 Brewster, Gordon & Co. Inc., Rochester, N. Y. Coffee. No. 153,067; Feb. 7.
 Brockmann & Company, Charlotte, N. C. Completely printed books. No. 153,030; Feb. 7.
 Buchsbaum, Samuel, Chicago, Ill. Belt buckles. No. 137,873; Feb. 7.
 Bud Hat Company, Inc., New York, N. Y. Ladies' hats. Nos. 150,260-1; Feb. 7.
 Buffalo Specialty Co., Buffalo, N. Y. Antiseptics. No. 154,056; Feb. 7.
 Burton Bros. & Co., New York, N. Y. Petticoats. No. 151,608; Feb. 7.
 Butler, Marie A., New York, N. Y. Powder puffs. No. 153,919; Feb. 7.
 Cantol Wax Company, San Antonio, Tex. Belt dressing and wax impregnating compound for fabrics, waterproofing, etc. No. 142,876; Feb. 7.

Capsheaf Bread Co., St. Louis, Mo. Wheat bread. No. 136,739; Feb. 7.
 Caravel Company, Inc., New York, N. Y. Chemicals, medicines, and pharmaceutical preparations. No. 133,081; Feb. 7.
 Carroll Engineering Co., The, Dayton, Ohio. Special metal-working machinery and production tools. No. 137,604; Feb. 7.
 Caswell, William L., Old Orchard, Me. Fondant or base for candy and other like confections. No. 139,959; Feb. 7.
 Caulk, L. D., Company, The, Milford, Del. Dental supplies and appliances. No. 151,509; Feb. 7.
 Chemical Works Brugg, Limited, Brugg, Switzerland. Nonalcoholic, maltless beverage and sirup for manufacturing same. No. 150,732; Feb. 7.
 Chicago Granite Manufacturing Company, Chicago, Ill. Garbage and ash receptacles. No. 156,263; Feb. 7.
 Choinski, Walter, Milwaukee, Wis. Self-cleaning pit mats for bowling alleys and devices for trapping and cleaning balls. No. 153,587; Feb. 7.
 Chowdhury, Kaelas D., Chicago, Ill. Perfumes, toilet waters, and sachets. No. 154,433; Feb. 7.
 City Mills Company, Columbus, Ga. Corn meal. No. 138,707; Feb. 7.
 Clark, W. L. M., Incorporated, St. Louis, Mo. Embroidery patterns and the like, paper patterns. No. 155,807; Feb. 7.
 Climax Rubber Co., The, Columbus, Ohio. Automobile tires of rubber and of rubberized fabric, inner tubes, liners, etc. No. 149,268; Feb. 7.
 Coca-Cola Bottling Distributing Co., Los Angeles, Calif. Nonalcoholic, noncereal, maltless beverages, and sirups for making same. No. 151,865; Feb. 7.
 Coe, James A., Jersey City, N. J. Preparation for coughs, colds, and mild bronchial preparation. No. 153,444; Feb. 7.
 Cohen, Goldman & Co. Inc., New York, N. Y. Men's, women's, and children's outer garments. No. 147,230; Feb. 7.
 Comer, Fetterly & Co. Inc., Union Hill, N. J., and New York, N. Y. Pharmaceutical preparation of animal-gland substances for ovarian insufficiency. No. 148,924; Feb. 7.
 Comer, Fetterly & Co. Inc., Union Hill, N. J., and New York, N. Y. Pharmaceutical preparation of animal-gland substances for liver disease, toxemias, jaundice, and catarrh of the gall, bladder, etc. No. 148,925; Feb. 7.
 Compoloid Products Corporation, Wilkes-Barre and Dorancton, Pa. Composition flooring and magnesite stucco. No. 156,359; Feb. 7.
 Continental Varnish Company, Brooklyn, N. Y. Varnishes and finishes in the nature of a paint. No. 136,785; Feb. 7.
 Cook, Charles I., Menominee, Mich. Coffee. No. 153,588; Feb. 7.
 Covina Orange Growers Association, Covina, Calif. Fresh citrus fruits—namely, oranges. No. 153,644; Feb. 7.
 Dairy Laboratories, The, Philadelphia, Pa. Chlorine solution, fly spray, sour-milk-testing solution, antiseptics, etc. No. 153,282; Feb. 7.
 David, B. Edmund, Inc., New York, N. Y. Broad silks and dress satins, crepe and silk shirtings in the piece. No. 154,639; Feb. 7.
 Davis-Pope Company Inc., Norwalk, Conn. Men's and women's hats. No. 150,139; Feb. 7.
 Demmi Cigar Co., Tampa, Fla. Cigars, cigarettes, cheroots, stogies, chewing tobacco, etc. No. 135,804; Feb. 7.
 Dimex Malt Extract Co. Inc., Port Jervis, N. Y. Malt extract and dried grains for making malt beverages. No. 150,521; Feb. 7.
 Dimitry Delaunay & Husi, Paris, France. Burners for acetylene and gas. No. 142,204; Feb. 7.
 Dinuba Fruit Growers Company, Dinuba, Calif. Fresh grapes. No. 153,874; Feb. 7.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Disston, Henry, & Sons, Incorporated, Philadelphia, Pa. Saws, saw sets, and screw drivers. No. 153,206; Feb. 7.
- Dovan Chemical Corporation, Wilmington, Del., and Newark, N. J. Accelerator for vulcanization of rubber. No. 154,866; Feb. 7.
- Drouin, Gedeon, St. Eustache, Quebec, Canada. Fertilizers. No. 143,701; Feb. 7.
- Dulle-Meyer Milling Company, Chamois, Mo. Self-rising flour. No. 151,788; Feb. 7.
- Dupius Chemical Company, Los Angeles, Calif. Machine-poisoned raisins. No. 154,436; Feb. 7.
- Du Pont, E. I., de Nemours & Company, Wilmington, Del. Dynamite. No. 155,257; Feb. 7.
- Dyktor Brothers, Inc., New York, N. Y. Carbon-steel high-speed or alloyed tool steel. No. 154,920; Feb. 7.
- Eagle Suspender & Belt Co. Inc., Philadelphia, Pa. Hose supporters and garters. No. 145,941; Feb. 7.
- Eau Claire Sand and Gravel Co., Eau Claire, Wis. Sand and gravel of various kinds. No. 153,132; Feb. 7.
- Egry Register Company, The, Dayton, Ohio. Cabinets for registers. No. 156,268; Feb. 7.
- Ehrman, William, New York, N. Y. Periodicals published monthly and at other intervals. No. 155,341; Feb. 7.
- Eisenberg, Abraham J., Chicago, Ill. Sanitary shaving outfit. No. 151,913; Feb. 7.
- Eisenberg, Jacob, Binghamton, N. Y. Preparation for coughs and colds in the chest, bronchitis, croup, etc. No. 134,745; Feb. 7.
- Emerson Pharmaceutical Laboratories, West Hoboken, N. J. Insect fluid. No. 154,585; Feb. 7.
- Eng-Skell Company, Inc., San Francisco, Calif. Flavoring for and a nonalcoholic beverage. No. 142,836; Feb. 7.
- Erickson, C. E., Co. Inc., Des Moines, Iowa. Towel and broom holders. No. 129,779; Feb. 7.
- Erwin Cotton Mills Co., The, West Durham, N. C. Canton flannels, tickings, covert cloths, sheetings, and drills in the piece. No. 154,640; Feb. 7.
- Federal Automobile Painting and Trimming Company, Detroit, Mich. Automobile cushions and radiator covers. No. 154,104; Feb. 7.
- Ferrone, Filippo, New York, N. Y. Pharmaceutical preparations. No. 150,743; Feb. 7.
- Fowler Grape Growers Association, Fowler, Calif. Fresh deciduous fruits—namely, Malagas. No. 153,879; Feb. 7.
- Fram, E. T., Lock Co., The, Lancaster, Pa. Locks and latches. No. 144,022; Feb. 7.
- Franklin Simon & Co. Inc., New York, N. Y. Men's and boys' furnishings, undergarments, and clothing. No. 151,599; Feb. 7.
- Friend, Harry L., Boston, Mass. Coffee flavor in solid, powdered, and liquid form. Nos. 144,225-6; Feb. 7.
- Gamlin, William, London, Ohio. General conditioner for horses, cattle, etc. No. 137,877; Feb. 7.
- Geraldine Company, The, Boston, Mass. Toilet preparations—namely, a hair tonic. No. 134,229; Feb. 7.
- Gill Storage Battery Co. Inc., San Bernardino, Calif. Storage batteries. No. 156,380; Feb. 7.
- Gillette Safety Razor Company, Boston, Mass. Safety razors. Nos. 147,191-4; Feb. 7.
- Gillette Safety Razor Company, Boston, Mass. Safety razors. No. 149,802; Feb. 7.
- Glafke, W. B., Co., Portland, Oreg. Fresh deciduous fruits—namely, apples. No. 153,658; Feb. 7.
- Godel, E., & Sons, Peoria, Ill. Hams, boiled, skinned, slicing, picnic, and bacon, and bacon squares. No. 145,782; Feb. 7.
- Gordon, Samuel, New York, N. Y. Pipes, cigar and cigarette holders and cases, tobacco bags, humidors. No. 140,113; Feb. 7.
- Grasselli Chemical Company, The, Cleveland, Ohio. Dyes and dyestuffs, raw and intermediate dye products, mordants, etc. No. 154,021; Feb. 7.
- Grasselli Chemical Company, The, Cleveland, Ohio. Dyes and dyestuffs. No. 154,500; Feb. 7.
- Grasselli Chemical Company, The, Cleveland, Ohio. Dyes and dyestuffs. No. 154,503; Feb. 7.
- Grasselli Chemical Company, The, Cleveland, Ohio. Dyes and dyestuffs. No. 154,507; Feb. 7.
- Greist Manufacturing Company, The, New Haven, Conn. Pressure gauges for pneumatic tires, etc. No. 137,775; Feb. 7.
- Griffin Manufacturing Company, Inc., New York, N. Y. Shoe polish. No. 105,696; Feb. 7.
- Hadley Milling Company, The, Olathe, Kans. Self-rising flour. No. 151,797; Feb. 7.
- Hainer, Whitfield J., Providence, R. I. Planchette boards. No. 126,281; Feb. 7.
- Hanes, P. H., Knitting Company, Winston-Salem, N. C. Undergarments of knitted or woven material. No. 146,548; Feb. 7.
- Hasden, Marjorie J., Chicago, Ill. Manicure oil and nail polish. No. 154,192; Feb. 7.
- Haskins, Frances M., New York, N. Y. Baby exercisers. No. 156,159; Feb. 7.
- Hendrickson, Frank L., Maysville, Ky. Nonalcoholic, maltless beverage. No. 137,285; Feb. 7.
- Henepeh Co., Inc., The, Kingston, N. Y. Headache, aspirin, cold, gripe, and stomach tablets, porous plasters, and liniment. No. 145,622; Feb. 7.
- Heppes-Nelson Roofing Company, The, Chicago, Ill., assignor to The Richardson Company, Lockland, Ohio. Prepared roofing, building board and paper, expansion joints, and cements. No. 131,577; Feb. 7.
- Hieronimus, J. A., & Sons, San Francisco, Calif. Cereal malt beverage. No. 137,120; Feb. 7.
- Hitchcock, Frank, Cleveland, Ohio. Electric signal lamps for automobiles. No. 155,261; Feb. 7.
- Hodges, Emory C., Joliet, Ill. Preparations for waterproofing, preserving, and softening shoe leather. No. 150,748; Feb. 7.
- Hoefler Ice Cream Company, Buffalo, N. Y. Ice cream. No. 153,662; Feb. 7.
- Hooven & Allison Company, The, Xenia, Ohio. Fiber ropes and twines. Nos. 155,686-8; Feb. 7.
- Horn, A. C., Co., Long Island City, N. Y. Cleaning and polishing powder. No. 121,303; Feb. 7.
- Howard, James D., Knoxville, Tenn. Medicine used as a local rub and inhalant. No. 152,709; Feb. 7.
- Hudson, R. A. Company, Incorporated, Auburn, N. Y. Face and hand creams and lotions. No. 153,725; Feb. 7.
- Hyman, Frank W., New York, N. Y. Transfer sheets for use in the art of printing. No. 154,023; Feb. 7.
- In-cres-o Company, The, Kansas City, Mo. Stimulant to increase the egg production of laying hens. No. 154,517; Feb. 7.
- Irish Linen Society, Belfast, Ireland. Green linen yarn and boiled linen yarn. No. 156,632; Feb. 7.
- Jackson, J. H., Company, Inc., New York, N. Y. Leather. No. 156,533; Feb. 7.
- Jackson Laboratories, Indianapolis, Ind. Puncture-sealing composition and preservative for pneumatic tires. No. 156,225; Feb. 7.
- Johnson, William C., Providence, R. I. Mercerized shoe laces. No. 153,812; Feb. 7.
- Jonas, Juliet J., New York, N. Y. Ladies' hats and gowns. No. 151,632; Feb. 7.
- Kansas City Milling Co., The, Kansas City, Mo. Wheat flour. No. 151,011; Feb. 7.
- Kauffman, Edwin N., Mahaffey, Pa. Knee pads for miners. No. 149,854; Feb. 7.
- Kaufman, Abraham, Chicago, Ill. Crackers. No. 137,130; Feb. 7.
- Klee & Coleman, Inc., Indianapolis, Ind. Soda water, extracts, and other nonalcoholic, maltless beverages. No. 155,100; Feb. 7.
- Knapp, Edwin W., New York, N. Y. All kinds of fresh fruits and vegetables, hay, corn, and wheat. Nos. 137,841-2; Feb. 7.
- Koppel Industrial Car & Equipment Company, Koppel and Pittsburgh, Pa. Steam locomotives, turntables, bucket excavators, concrete mixers, etc. No. 132,394; Feb. 7.
- Kramer, Sauber & Kesting, Incorporated, Baltimore, Md. Middy blouses. No. 143,695; Feb. 7.
- Kruger Drug Co., Brooklyn, N. Y. Medicinal preparation for treatment of the stomach, liver, and bowels. No. 154,653; Feb. 7.
- Kuppenheimer, B., and Co., Chicago, Ill. Men's outer clothing—viz., suits and overcoats. No. 148,077; Feb. 7.
- Laboratories, H. and S., Chicago, Ill. Metal polishes. No. 149,589; Feb. 7.
- Lanett Cotton Mills, Lanett, Ala. Sheeting. No. 155,266; Feb. 7.
- Langley & Michaels Co., San Francisco, Calif. Candies. No. 138,013; Feb. 7.
- La Societe Anonyme des Amidonnerie & Rizerie de France, Marquette-Lille, France. Sauce and ingredient for sauce. No. 151,276; Feb. 7.
- Levine, David, & Sons, New York, N. Y. Men's, women's, and children's hosiery made of silk, cotton, wool, etc. No. 146,831; Feb. 7.
- Liberto, John, New York, N. Y. Chemical preparation as an insect exterminator. No. 149,196; Feb. 7.
- Littlefield & Steere Co., Knoxville, Tenn. Chocolates and candies. No. 149,761; Feb. 7.
- McCarthy Brothers, San Francisco, Calif. Baking powder. No. 154,882; Feb. 7.
- McVoy, John M., Springhill, Ala. Razor-strop dressing. No. 151,185; Feb. 7.
- Magnin, I. & Co., San Francisco, Calif., and New York, N. Y. Toilet cream. No. 154,153; Feb. 7.
- Magnuson X-Ray Company, Omaha, Nebr. Barium sulphate. No. 154,699; Feb. 7.
- Marathon Tire & Rubber Company, The, Cuyahoga Falls, Ohio. Leather, fabric, or rubber belts for supporting outer garments. No. 146,720; Feb. 7.
- Martin, W. L., Broom & Mop Co., Louisville, Ky. Brooms. Nos. 156,705-7; Feb. 7.
- Mavromatas, Michel, New York, N. Y. Cigarettes. No. 142,936; Feb. 7.
- Midwest Steel & Supply Company, Inc., New York, N. Y. Lathe. No. 155,627; Feb. 7.
- Miller Bros. & Company, Philadelphia, Pa. Bed clothing—namely, comfortables, quilts, blankets, and bedspreads. No. 153,738; Feb. 7.
- Milloglav, J. P., Los Angeles, Calif. Potatoes in their natural state. No. 150,761; Feb. 7.
- Mitchell, William M., Louisville, Ky. Inhaling compound for the protection of firemen and others. No. 154,985; Feb. 7.

- Mockbridge, Whitney, London, Middlesex, England. Bookholders. No. 150,817; Feb. 7.
- Morrell, John, & Company, Ottumwa, Iowa. Lard. No. 147,362; Feb. 7.
- Mundet, L. & Son, Brooklyn, N. Y. Composition cork gaskets, and cork sheets from which gaskets are cut. No. 153,512; Feb. 7.
- Murray, John H., Boston, Mass. Candies, fancy ices, and cakes. No. 156,164; Feb. 7.
- Mystol Manufacturing Co., Glens Falls, N. Y. Flavoring extract. No. 153,740; Feb. 7.
- National Automatic Tool Company, The, Richmond, Ind. Drilling, reaming, and tapping machines. No. 153,314; Feb. 7.
- National Medico-Specialties Laboratories, San Francisco, Calif. Sterilized solutions. No. 142,293; Feb. 7.
- Near East American Publishing Company, The, Washington, D. C. Weekly newspaper. No. 153,685; Feb. 7.
- Nebraska Consolidated Mills Co., Grand Island, Nebr. Wheat flour. No. 136,905; Feb. 7.
- Northwestern Chemical Company, The, Wauwatosa, Wis. Butyric ether, butyric acid, amyl butyrate, etc. No. 151,464; Feb. 7.
- Nunnally Company, The, Atlanta, Ga. Candies. No. 153,468; Feb. 7.
- Old Mission Portland Cement Company, San Francisco and San Juan Bautista, Calif. Portland cement. No. 150,284; Feb. 7.
- O-Zo-Zo Company, Inc., Boston, Mass. Soluble laundry blue mounted in a stirrer. No. 122,495; Feb. 7.
- Organ-Iron Company, Omaha, Nebr. Medicine used in general weakness, nervousness, etc. No. 150,765; Feb. 7.
- Oxford-Print, Boston, Mass. Doll furniture, houses, and clothing, dolls, and toys. No. 117,985; Feb. 7.
- Palmer Photoplay Corporation, Los Angeles, Calif. Monthly magazine devoted to the interests of photoplay authors. No. 153,473; Feb. 7.
- Parks, A. L., Tea Company, Boston, Mass. Coffee, tea, and cocoa. No. 153,688; Feb. 7.
- Parks, John G., Goldsboro, N. C. Antibilious pills. No. 148,815; Feb. 7.
- Patrick-Young Co. Inc., Richmond, Va. Hams, bacon, and lard. No. 149,976; Feb. 7.
- Philip Carey Manufacturing Co., The, Lockland, Ohio. Roofing. No. 153,339; Feb. 7.
- Pierce-Arrow Motor Car Company, The, Buffalo, N. Y. Axles. No. 138,061; Feb. 7.
- Plough Chemical Company, a Corporation, Memphis, Tenn. Toilet preparation—viz., a face bleach. No. 154,616; Feb. 7.
- Polhemus, Louis E., Miami, Ariz. Miners' lamps and burners therefor. No. 156,294; Feb. 7.
- Porciron Mfg. Co., The, Royersford, Pa. Metal flower pots. No. 157,003; Feb. 7.
- Power-Oil Co. Ltd., The, St. Louis, Mo. Lubricating oil. No. 155,571; Feb. 7.
- Priest, Chase, Grant, Iowa. Yeast used in the preparation of bread. No. 148,295; Feb. 7.
- R. V. G. Company, Inc., Brooklyn, N. Y. Flashlights and batteries. No. 155,190; Feb. 7.
- Radio Corporation of America, New York, N. Y. Vacuum tubes and valves. Nos. 155,451-4; Feb. 7.
- Raven, John C., Astoria, N. Y. Mixture for the treatment of pneumonia, influenza, bronchitis, asthma, etc. No. 157,537; Feb. 7.
- Real Fruit Beverage Co., South Bend, Ind. Nonalcoholic, maltless, noncereale beverages. No. 138,138; Feb. 7.
- Red Star Milling Company, The, Wichita, Kans. Wheat flour. No. 136,724; Feb. 7.
- Reliable Knitting Works, Milwaukee, Wis. Knitted Caps. No. 149,978; Feb. 7.
- Rendell, Moses R., New York, N. Y. Chemical composition for smelting purposes. No. 144,786; Feb. 7.
- Richardson Company, The. (See Heppes-Nelson Roofing Company, The, assignor.)
- Roddenberry Bros., Cairo, Ga. Cane sirup. No. 153,692; Feb. 7.
- Rolling Red Stores Company, Inc., Chattanooga, Tenn. Trucks and truck bodies for driven or drawn vehicles. No. 152,345; Feb. 7.
- Roneo Limited, London, England. Filing cabinets, being office furniture. No. 156,658; Feb. 7.
- Rosenberg Bros. & Co., Rochester, N. Y. Men's ulsters and overcoats. No. 149,977; Feb. 7.
- Rosenthal Bros. & Bendetson, Boston, Mass. Cigars. No. 129,351; Feb. 7.
- Salenius, Ellen M., Sundryberg, Stockholm, Sweden. Liquid separators and churns. No. 138,412; Feb. 7.
- Samson Cordage Works, Boston, Mass. Cord and twine. No. 156,180; Feb. 7.
- Santerba Perfumery Manufacturer Inc., New York, N. Y. Maltless sirups for use in nonalcoholic beverages. No. 132,414; Feb. 7.
- Scherer & Fix, Utica, N. Y. Coffee. No. 122,065; Feb. 7.
- Schreiber, John J., Minneapolis, Minn. Stock and poultry feeds. No. 150,672; Feb. 7.
- Schweizer-Caillaux, Jean F., Vincennes, France. Men's hats, caps, coats, vests, trousers, overcoats, gloves, shoes, neckties, etc. No. 147,532; Feb. 7.
- Security Key Case Mfg. Co., New York, N. Y. Key cases. No. 155,199; Feb. 7.
- Security Manufacturing Company, Brooklyn, N. Y. Electrical ignition coils and electrical condensers. No. 155,645; Feb. 7.
- Sexton, Joan, and Company, Chicago, Ill. Soap, toilet and laundry, shaving cream, washing compounds, etc. No. 153,622; Feb. 7.
- Sexton, John, and Company, Chicago, Ill. Prepared roofing and roof cement. No. 153,623; Feb. 7.
- Shapero, Lewis & Co., New York, N. Y. Dresses. No. 149,655; Feb. 7.
- Sherwin-Williams Company, The, Cleveland, Ohio. Glue. No. 137,050; Feb. 7.
- Sidenberg, G., & Co., New York, N. Y. Collars, cuffs, guimpes, vestes, ruffs, jabots, and chemisettes. No. 149,866; Feb. 7.
- Simon, Leo, Natchez, Miss. Fruit cakes. No. 151,240; Feb. 7.
- Snyder, J. H., Med. Co., Jonesboro, Ark. Epsom salts, powdered borax, lump and powdered alum, copperas, and senna leaves. No. 128,802; Feb. 7.
- Southern Beverage Company, Galveston, Tex. Nonalcoholic, maltless beverages, and sirups and extracts for making such beverages. No. 152,658; Feb. 7.
- St. Albans Grain Company, St. Albans, Vt. Poultry, horse, and other feeds. No. 133,898; Feb. 7.
- Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum for illuminating, heating, etc. No. 136,206; Feb. 7.
- Standard Ultramarine Co., The, Huntington, W. Va. Ultramarine blue. No. 153,478; Feb. 7.
- Stanton, Joseph E., Montreal, Quebec, Canada. Preparation specific for epilepsy. No. 143,721; Feb. 7.
- Stark Bros., Nurseries & Orchards Co., Louisiana, Mo. Fruit, vegetable, and grain seed. No. 138,103; Feb. 7.
- Stevens, Isaac F., Nashua, N. H. Refrigerators. Nos. 151,889-90; Feb. 7.
- Stix, Louis, Co., The, Cincinnati, Ohio. Hosiery. Nos. 151,677-8; Feb. 7.
- Stork Contractors Export Corp., The, New York, N. Y. Composition roofing, rubber, asphalt roll, and composition felt. No. 121,995; Feb. 7.
- Swan & Myers Co., Indianapolis, Ind. Medicinal preparations calcium ortho benzyl oxybenzoate. No. 154,538; Feb. 7.
- Swift and Company, Chicago, Ill. Hog meat. No. 153,116; Feb. 7.
- Torreño, Manuel Z., San Antonio, Tex. Prepared chocolate for table use. No. 143,519; Feb. 7.
- Torrington Company, The, Torrington, Conn. Spokes and nipples for vehicle wheels. No. 157,010; Feb. 7.
- Uly, Francis W., Boston, Mass. Raincoats. No. 151,600; Feb. 7.
- United Metal Box Co., New York, N. Y. Switch boxes, motor inclosures, and safety switches. No. 155,577; Feb. 7.
- Utopian Sweets Company, Seattle, Wash. Candy. No. 154,162; Feb. 7.
- Victory Ring Company, Inc., Charleston, W. Va., and El Paso, Tex. Piston packing rings. No. 154,907; Feb. 7.
- Virginia Dare Company, The, Baltimore, Md. Candies. No. 153,574; Feb. 7.
- Voegelé & Dinning Co., The, Mansfield, Ohio. Candy. No. 154,003; Feb. 7.
- Wadsworth, Howland & Co. Incorporated, Boston, Mass. Painters' brushes. No. 153,421; Feb. 7.
- Wally, Inc., Cleveland, Ohio. Printed, embossed, and engraved advertising cards, sheets, circulars, etc. No. 153,164; Feb. 7.
- Warner Gear Company, Muncie, Ind. Transmissions, differentials, clutches, control levers, and gears for automotive vehicles. No. 151,897; Feb. 7.
- Warner, William R., & Co. Inc., Wilmington, Del., New York, N. Y., and St. Louis, Mo. Medicine in tablet form. No. 154,630; Feb. 7.
- Wax, Charles, Philadelphia, Pa. Dress shirts, negligée, work, and night shirts, pajamas, and underwear. No. 150,123; Feb. 7.
- Weideman Company, The, Cleveland, Ohio. Cigars, cigarettes, smoking, chewing, and plug tobacco. No. 155,528; Feb. 7.
- Wenatchee Skookum Growers, Wenatchee, Wash. Fresh deciduous fruits. No. 154,254; Feb. 7.
- Wenzelmann, Gustave, Galesburg, Ill. Pulverized materials used in mixtures for making plaster, etc. No. 121,852; Feb. 7.
- White, J. Russell, Greenridge, N. Y. Substances soluble in liquid hydrocarbon to modify its action as motor fuel. No. 154,467; Feb. 7.
- White Mop Wringer Co., Fultonville, N. Y. Mop wringers. No. 150,580; Feb. 7.
- Wieman, Herman A., Dallas, Tex. Traveling merchandise vans. No. 122,867; Feb. 7.
- Winthrop Chemical Company Inc., New York, N. Y. Ethyl esters of chaulmoogra oil. No. 154,629; Feb. 7.
- Wirth Chocolate Company, Boston, Mass. Candy. No. 153,490; Feb. 7.
- Wollo Ignition Products Co., St. Louis, Mo. Gasoline-engine spark plugs. No. 155,793; Feb. 7.
- Wood, Harry N., Boise, Idaho. Partially-dried and dried prunes. No. 153,530; Feb. 7.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF FEBRUARY, 1922.

NOTE.—Arranged in accordance with the first significant character or word of the name. (In accordance with city and telephone directory practice.)

- Accounting systems, Means employed in. W. G. Scott. No. 1,405,559; Feb. 7.
- Aeroplane. I. Carlson. No. 1,405,667; Feb. 7.
- Aeroplane. G. A. Henderson. No. 1,405,917; Feb. 7.
- Aeroplane attachment. C. M. Bazzeghin. No. 1,405,658; Feb. 7.
- Air brake systems, Automatic release value for. C. W. Hurl. No. 1,406,020; Feb. 7.
- Air cleaner. F. A. Donaldson. No. 1,405,399; Feb. 7.
- Air-feeding device. J. Y. King. No. 1,405,520; Feb. 7.
- Air gauge. D. T. Bentley. No. 1,405,706; Feb. 7.
- Air heater and ventilator. G. A. Tuck. No. 1,406,111; Feb. 7.
- Aircraft, Aerofoil arrangement for. W. H. Barling. No. 1,405,890; Feb. 7.
- Airship. F. Gill. No. 1,405,407; Feb. 7.
- Alarm: See—
Low-water alarm.
- Aluminum chloride, Manufacture of. A. M. McAfee. No. 1,405,734; Feb. 7.
- Aluminum rolling pin. H. E. Kerr and E. C. Ahlheim. No. 1,405,920; Feb. 7.
- Amusement device, (revolving walking beam.) E. Kohler. No. 1,405,923; Feb. 7.
- Annunciator drop. F. W. Wood. No. 1,405,812; Feb. 7.
- Antiskid device. W. E. Davis. No. 1,405,672; Feb. 7.
- Audion or lamp relay or amplifying apparatus. M. C. A. Latour. No. 1,405,523; Feb. 7.
- Automatic carrier. G. A. and F. P. Rahmeyer. No. 1,405,718; Feb. 7.
- Automatic gate. M. Todoruk. No. 1,405,464; Feb. 7.
- Automobile body and making same. W. L. Fry. No. 1,405,680; Feb. 7.
- Automobile body, Convertible. B. E. Carrm. No. 1,405,486; Feb. 7.
- Automobile bumper. L. F. Stafford. No. 1,405,456; Feb. 7.
- Automobile, Coupling device for power-transmission mechanism and brake apparatus for an. M. Watanabe. No. 1,406,119; Feb. 7.
- Automobile direction signal. E. K. Ward and G. F. Boucher. No. 1,405,699; Feb. 7.
- Automobile frog. T. F. Christensen. No. 1,405,567; Feb. 7.
- Automobile headlight. T. W. Post. No. 1,405,717; Feb. 7.
- Automobile signal. W. E. Root. No. 1,405,870; Feb. 7.
- Automobile signal device. W. Berry. No. 1,405,893; Feb. 7.
- Automobile wheels, Rim for. N. L. Baker. No. 1,405,563; Feb. 7.
- Automobiles, Direction signal for. F. B. Womack. No. 1,406,130; Feb. 7.
- Automobiles, Disk wheel for. W. E. Williams. No. 1,405,645; Feb. 7.
- Axle construction. H. Vanderbeek. No. 1,405,642; Feb. 7.
- Back, Collapsible seat. R. E. Winchester. No. 1,405,651; Feb. 7.
- Bag fastener. F. J. Lau. No. 1,405,524; Feb. 7.
- Bag-frame lock. J. S. Isidor. No. 1,405,919; Feb. 7.
- Bag, Hand. A. Kulick. No. 1,406,035; Feb. 7.
- Bag holder. W. H. Iverson. No. 1,405,846; Feb. 7.
- Baking material (Downdraft kilns). Apparatus for. I. M. Justice and G. A. Willigman. No. 1,405,593; Feb. 7.
- Bale cutter. E. Eger. No. 1,405,401; Feb. 7.
- Balls, Ball bearings provided with an entrance opening for the. J. L. Borg. No. 1,405,894; Feb. 7.
- Bands of rolls simultaneously and equally, Device for tightening. M. Maag and E. Buchter. No. 1,405,852; Feb. 7.
- Banjo. J. Favilla. No. 1,405,771; Feb. 7.
- Bar reverser. H. B. Rose. No. 1,406,084; Feb. 7.
- Bath tubs, Shower attachment for. L. R. Patton. No. 1,406,070; Feb. 7.
- Battery: See—
Storage battery.
- Battery. E. J. Petrie. No. 1,405,627; Feb. 7.
- Bearing, Antifriction. W. A. Geiger. No. 1,405,681; Feb. 7.
- Bearing, Rolling-mill. J. N. Quinn. No. 1,405,438; Feb. 7.
- Bed frame, Sectional. A. H. Shearer. No. 1,405,721; Feb. 7.
- Bed-spring fabric. A. Rhenstrom. No. 1,405,868; Feb. 7.
- Bell, Mine and like electric. J. B. Eder. No. 1,405,819; Feb. 7.
- Belts and straps, Tip for. C. A. Humphreys. No. 1,405,516; Feb. 7.
- Bicycle. J. B. Drum and F. J. Everett. No. 1,405,982; Feb. 7.
- Billiard-cue tip. W. C. Pappas. No. 1,405,864; Feb. 7.
- Binder platform. G. Davis. No. 1,405,571; Feb. 7.
- Bit-holder extension. J. Perkins, Jr. No. 1,405,625; Feb. 7.
- Blade-holding device. A. M. Remington. No. 1,405,867; Feb. 7.
- Blanks, Making hexagonal hot-metal pieces for making hexagonal nut. J. A. Costello. No. 1,405,969; Feb. 7.
- Block: See—
Building block. Leg block.
Grinding block.
- Blowtorch. H. G. Donigan. No. 1,405,978; Feb. 7.
- Board: See—
Drain board.
- Boat, Submarine escape. O. Tervo. No. 1,405,728; Feb. 7.
- Body support, Convertible. S. A. Ekehorn. No. 1,405,768; Feb. 7.
- Boilers, Water-level indicator for. P. H. Gentzel. No. 1,405,832; Feb. 7.
- Boll weevils, Machine for catching and destroying. D. P. Elliott. No. 1,405,573; Feb. 7.
- Bolting-up device. J. Ratz. No. 1,405,739; Feb. 7.
- Book hanger. E. W. Dickerson. No. 1,405,818; Feb. 7.
- Box: See—
Fish box. Plant box.
- Boxes and other articles, Fastening for. A. W. L. Schermuly. No. 1,406,090; Feb. 7.
- Boxes, Machine in use for making. O. C. Thompson. No. 1,406,105; Feb. 7.
- Bracelet construction. F. and A., Sr., Pfaus. No. 1,406,073; Feb. 7.
- Bracket: See—
Adjustable sign bracket. Timer-supporting bracket.
Curtain-rod bracket.
- Brake: See—
Hand brake.
- Brake beam, Reversible-strut. R. W. Burnett. No. 1,405,665; Feb. 7.
- Brake-beam safety support. A. E. Ostrander. No. 1,405,429; Feb. 7.
- Bread cutter. J. A. Scott. No. 1,405,720; Feb. 7.
- Bridle. E. J. Barkdoll. No. 1,405,287; Feb. 7.
- Briquet machine. G. Komarek. No. 1,405,788; Feb. 7.
- Broaching machine. M. E. Inforati, Jr. No. 1,406,022; Feb. 7.
- Burner: See—
Oil burner.
- Brush and making same. G. Rasmesen, Jr. No. 1,405,938; Feb. 7.
- Brush holder. J. D. Karle. No. 1,405,596; Feb. 7.
- Brush mounting. C. F. Kettering and W. A. Chryst. No. 1,405,519; Feb. 7.
- Buckle. W. and M. G. Wiener. No. 1,405,471; Feb. 7.
- Building block. J. P. Williams. No. 1,405,644; Feb. 7.
- Building purposes, Block used for. A. Ferguson. No. 1,405,574; Feb. 7.
- Burner, J. Hagen. No. 1,406,003; Feb. 7.
- By-product-recovery process. A. Roberts. No. 1,405,629; Feb. 7.
- Cabinet. J. L. Flannery. No. 1,405,825; Feb. 7.
- Cabinet, Store-service. A. M. Woltz. No. 1,406,129; Feb. 7.
- Calculations, Recording machine for mechanically-determined. G. W. Odell. No. 1,406,066; Feb. 7.
- Calendar construction. C. A. Myers. No. 1,406,062; Feb. 7.
- Calendar, Desk. M. W. Waters. No. 1,406,120; Feb. 7.
- Calendar, Hour-guide. E. Marshall. No. 1,405,793; Feb. 7.
- Can ends, Method and apparatus for cutting and applying gasket liners to. A. Johnson. No. 1,405,592; Feb. 7.
- Can tops, Sanitary closure for milk-. M. C. Flannery. No. 1,405,679; Feb. 7.
- Cap, Quick-detachable. C. D. Wright. No. 1,406,133; Feb. 7.
- Cap structure, Mucilage-. R. R. Ritz. No. 1,405,442; Feb. 7.
- Car and truck construction, Railway. J. A. Pilcher. No. 1,406,076; Feb. 7.

- Car-closing device, Freight-. T. J. Callery. No. 1,405,485; Feb. 7.
- Car construction. J. O. Neikirk. No. 1,405,544; Feb. 7.
- Car-dome cover, Tank-. M. A. Garrett. No. 1,405,577; Feb. 7.
- Car, General-service railway. O. Hochberg. No. 1,405,415; Feb. 7.
- Cars, Adjustable hook for refrigerator. B. Winger. No. 1,405,745; Feb. 7.
- Cars, Device for controlling the exhaust of motor. E. Cassalette. No. 1,405,900; Feb. 7.
- Cars, Electrically-controlled door lock for. R. H. Parsons. No. 1,405,623; Feb. 7.
- Cars, Safety door for freight. Z. Slawinski. No. 1,406,095; Feb. 7.
- Carbureting apparatus. J. Good. No. 1,405,777; Feb. 7.
- Carburetor. H. H. Welch. No. 1,405,700; Feb. 7.
- Carburetors, Fuel vaporizer for. M. O. Smith. No. 1,405,633; Feb. 7.
- Carburizing materials. A. D. Nielsen. No. 1,405,553; Feb. 7.
- Card, Greeting. G. F. Stanley. No. 1,405,635; Feb. 7.
- Card holder, Universal. F. Haskel. No. 1,405,915; Feb. 7.
- Carrier: See—
Automatic carrier. Glass-article carrier.
- Carton, Container and display. W. M. and C. J. Doering. Nos. 1,405,503-5; Feb. 7.
- Cartridge magazine. L. M. and M. A. Endres. No. 1,405,598; Feb. 7.
- Case: See—
Electric-lighted vanity case. Thermometer-holder case.
- Cask handler. M. Matthiasen. No. 1,406,052; Feb. 7.
- Caster wheel. W. F. Herold. No. 1,405,585; Feb. 7.
- Castings, Machining out-of-round piston-ring. C. E. Johnson. No. 1,405,517; Feb. 7.
- Cellulose ether composition. H. T. Clarke. Nos. 1,405,490-1; Feb. 7.
- Cellulose ether composition. P. C. Seel. No. 1,405,448; Feb. 7.
- Cellulose ether solvent and composition. S. J. Carroll. No. 1,405,487; Feb. 7.
- Cellulose ether solvent and composition. P. C. Seel. No. 1,405,449; Feb. 7.
- Cellulosic material, Band of. J. E. Brandenberger. No. 1,406,148; Feb. 7.
- Chain. F. W. Lewis. No. 1,405,851; Feb. 7.
- Chain coupling. M. J. Frambach. No. 1,405,830; Feb. 7.
- Chain-link-forming device. J. Johnson. No. 1,405,785; Feb. 7.
- Chain tightener. W. R. Montgomery. No. 1,405,615; Feb. 7.
- Chair: See—
Rail-tie chair.
- Chair. A. C. Sladky. No. 1,405,632; Feb. 7.
- Chair and couch, Convertible. J. L. McKellar. No. 1,405,931; Feb. 7.
- Chassis and spring protector. I. B. Bliss. No. 1,405,663; Feb. 7.
- Check dispenser. A. F. Cook. No. 1,405,495; Feb. 7.
- Chemical apparatus. W. H. Mahler. No. 1,405,733; Feb. 7.
- Chemical that should be added per unit of volume of water in order to fit it for use in the arts, Determining the quantity of an appropriate. C. W. Rice. No. 1,405,940; Feb. 7.
- Chuck, Drill. A. Kipniss. No. 1,405,921; Feb. 7.
- Chute, Automatically-closing. J. C. Thill. No. 1,405,955; Feb. 7.
- Cigarette and cigar holder. M. B. Robinson. No. 1,405,869; Feb. 7.
- Circuits of electric heating apparatus, etc., Automatic control of the. M. H. Shoenberg. No. 1,405,450; Feb. 7.
- Clamping tool. J. T. Hopkins. No. 1,405,587; Feb. 7.
- Cleaner: See—
Air cleaner. Tube cleaner.
- Cleaning machine, Flue-. J. J. Mikshel. No. 1,406,047; Feb. 7.
- Climeter. A. K. Haines. No. 1,405,841; Feb. 7.
- Clip: See—
Pulley-cord clip.
- Closure operator. W. Asbury. No. 1,406,142; Feb. 7.
- Clutch. E. A. Turner. No. 1,405,698; Feb. 7.
- Clutch mechanism. J. Lauth. No. 1,405,927; Feb. 7.
- Cock, Capped stop. P. Mueller. No. 1,406,060; Feb. 7.
- Column mold. F. Olson. No. 1,405,934; Feb. 7.
- Comb, Fiber. S. Friedman and M. Ohlbaum. No. 1,405,576; Feb. 7.
- Composition and producing same, Surfacing. W. B. Roberson. No. 1,405,941; Feb. 7.
- Compressor, Overhead-valve-spring. J. C. Thompson. No. 1,405,696; Feb. 7.
- Computing device. G. D. Johnson. No. 1,405,847; Feb. 7.
- Computing mechanism. J. T. Howieson. No. 1,405,589; Feb. 7.
- Concrete, Apparatus for cutting. A. O. Crozier. No. 1,405,671; Feb. 7.
- Concrete insert. J. K. Fisher. No. 1,405,994; Feb. 7.
- Concrete mixer. R. R. Beers. No. 1,405,707; Feb. 7.
- Concrete structures, Building of. R. Wilson. No. 1,405,650; Feb. 7.
- Concrete structures, Reinforcement for. J. H. A. Wrissenberg. No. 1,405,654; Feb. 7.
- Condensers, Gauge for indicating the efficiency of steam. A. E. L. Scanes and A. W. Clarke. No. 1,406,088; Feb. 7.
- Condensers, Preventing the deposition of scale or sludge from the cooling water in surface steam. A. Halle. No. 1,405,783; Feb. 7.
- Condensing apparatus. R. N. Ehrhart. No. 1,405,821; Feb. 7.
- Condensing apparatus. I. S. Merrell. No. 1,406,055; Feb. 7.
- Conductor support. S. S. Matthes. No. 1,405,609; Feb. 7.
- Containers, Method and apparatus for sealing. G. Ramsey. No. 1,405,738; Feb. 7.
- Controller and switch lock, Combined. T. G. Stiles. No. 1,405,693; Feb. 7.
- Controller, Sound-operated circuit. C. Berger. No. 1,405,708; Feb. 7.
- Conveyer. J. F. Joy. No. 1,405,419; Feb. 7.
- Conveyer drying apparatus. G. D. Harris. No. 1,405,781; Feb. 7.
- Cooker, Electrically-heated fireless. R. J. Patterson. No. 1,405,624; Feb. 7.
- Cord fabric and means for making the same. I. E. Fair. No. 1,405,992; Feb. 7.
- Cord, Nonstretchable. J. H. Hunter. No. 1,405,591; Feb. 7.
- Cores, Mechanism for covering. H. J. Boe. No. 1,405,710; Feb. 7.
- Corrector, Course. F. M. Kramer. No. 1,405,598; Feb. 7.
- Cotton gin. C. F. Simpson. No. 1,406,094; Feb. 7.
- Coupling: See—
Chain coupling. Flexible coupling.
- Craft navigating a fluid medium, Method of and means for propelling. L. G. Bostedo. No. 1,405,482; Feb. 7.
- Crate-forming apparatus. F. F. Varela. No. 1,406,114; Feb. 7.
- Cultivators, Fender for corn. W. F. Dravis. No. 1,405,980; Feb. 7.
- Cup: See—
Grease cup.
- Current motor. G. M. Kievan. No. 1,406,031; Feb. 7.
- Curtain rod. C. J. Howell and L. B. Osdon. No. 1,405,416; Feb. 7.
- Curtain-rod bracket. H. T. Barnwell. No. 1,405,891; Feb. 7.
- Cutter: See—
Bale cutter. Bread cutter.
- Cutter head. J. S. Diller. No. 1,405,903; Feb. 7.
- Cutter head. H. J. Mitchell. No. 1,405,614; Feb. 7.
- Cutting machine. B. N. Clary and B. F. Mayo. No. 1,405,492; Feb. 7.
- Delivery mechanism. W. C. Baxter. No. 1,405,389; Feb. 7.
- Dental instrument holder. T. F. Bates. No. 1,406,143; Feb. 7.
- Die presses, Ejecting mechanism for. W. H. Needham. No. 1,405,425; Feb. 7.
- Differential mechanism. F. V. Elbertz. No. 1,405,986; Feb. 7.
- Dining table, Removable-petal. J. T. Viles. No. 1,406,116; Feb. 7.
- Disk and like grinding mill. J. R. Torrance. No. 1,405,878; Feb. 7.
- Disk automobile wheel. W. E. Williams. No. 1,405,646; Feb. 7.
- Disk, Implement pulverizer. R. H. Griffith. No. 1,405,581; Feb. 7.
- Disk wheel. W. E. Williams. No. 1,405,648; Feb. 7.
- Disk wheel, Reinforced. W. E. Williams. No. 1,405,647; Feb. 7.
- Dispensing container. R. J. Bush. No. 1,405,753; Feb. 7.
- Display fixture. G. H. Crawford. No. 1,405,569; Feb. 7.
- Distributing materials, Apparatus for. A. N. Macnicol. No. 1,405,731; Feb. 7.
- Diving apparatus, Centrifugal. J. C. Freeze. No. 1,405,996; Feb. 7.
- Dog driver. H. Carlson. No. 1,405,898; Feb. 7.
- Doll, Walking. U. Ito. No. 1,406,023; Feb. 7.
- Door. W. H. Emerick. No. 1,405,507; Feb. 7.
- Door and shutter, Folding. M. Bretos y Claveria. No. 1,405,758; Feb. 7.
- Door, Grain-cart. A. Campbell. No. 1,405,666; Feb. 7.
- Door latch. W. E. Dill. No. 1,405,977; Feb. 7.
- Door latch. P. H. Neidig. No. 1,405,857; Feb. 7.
- Door opener. E. C. Gaines. No. 1,405,404; Feb. 7.
- Door-operating apparatus. N. Silverson. No. 1,405,691; Feb. 7.
- Door, Safety delivery. L. G. Bergren. No. 1,405,661; Feb. 7.
- Door-securing device. J. A. Rouch and T. H. Hastic. No. 1,406,085; Feb. 7.
- Door, Sound-damping. K. Eller. No. 1,405,984; Feb. 7.
- Door spring. D. W. Millsaps. No. 1,405,735; Feb. 7.
- Drain board. H. J. Wallace. No. 1,405,881; Feb. 7.
- Drainage system. W. J. Snively. No. 1,405,725; Feb. 7.
- Drag, Road. J. W. Hruska. No. 1,406,019; Feb. 7.
- Drapery rods, Extensible bracket for window-. H. O. Wolff. No. 1,405,958; Feb. 7.
- Drawer-knob-fastening means. J. A. Lichtenberger. No. 1,405,528; Feb. 7.
- Drawing apparatus. C. Muller. No. 1,406,061; Feb. 7.
- Dress, Combination romper. M. Talianoff. No. 1,405,694; Feb. 7.
- Drier. S. S. Strasburg. No. 1,405,460; Feb. 7.
- Drier and dish washer. A. A. Brauner. No. 1,405,394; Feb. 7.
- Drill-twisting machine. R. Hervig. No. 1,405,414; Feb. 7.

- Driving mechanism. T. A. Griffith. No. 1,405,408; Feb. 7.
- Dyes, Azo. R. Haugwitz. No. 1,405,687; Feb. 7.
- Dyestuffs and making same, Vat. J. Schmidlin and W. Brunner. No. 1,405,446; Feb. 7.
- Dynamo-electric machine. P. A. H. Mossay. No. 1,405,616; Feb. 7.
- Edged work according to a pattern, Apparatus for producing. R. Rychiger and E. K  pfer. No. 1,405,743; Feb. 7.
- Electric-lighted vanity case. L. Marko. No. 1,405,532; Feb. 7.
- Electric liquid heater. W. A. Andrews. No. 1,405,475; Feb. 7.
- Electric motor. L. L. Dodds. No. 1,405,502; Feb. 7.
- Electric regulator. W. A. Turbayne. No. 1,405,956; Feb. 7.
- Electric switch. J. L. Milton. No. 1,405,537; Feb. 7.
- Electrical apparatus having windings, Protective means for. J. Goodman. No. 1,406,002; Feb. 7.
- Electrical device. T. W. Case. No. 1,406,149; Feb. 7.
- Electrical protective device. R. M. Spurck. No. 1,405,455; Feb. 7.
- Electrical protective device, Mounting plate for. F. R. Parker. No. 1,405,935; Feb. 7.
- Electrical system. J. L. Milton. No. 1,405,536; Feb. 7.
- Engine: See—
Explosive engine. Towing engine.
Internal-combustion engine. Two-cycle engine.
Rotary engine.
- Engine and attachment therefor, Internal-combustion. B. M. Fine. No. 1,405,772; Feb. 7.
- Engine, Explosive. B. F. Pearsall, Jr. No. 1,406,072; Feb. 7.
- Engine, Rotary. A. J. Anderson. No. 1,406,140; Feb. 7.
- Engine starter. S. W. Rushmore. No. 1,405,742; Feb. 7.
- Engines, Air-cooled internal-combustion. J. M. Williams, Jr. No. 1,405,883; Feb. 7.
- Engines, Air strainer for internal-combustion. J. P. Quam. No. 1,405,437; Feb. 7.
- Engines, Decarbonizing valve for internal-combustion. D. M. Hepburn. No. 1,405,843; Feb. 7.
- Engines, Gas-supplying system for automobile. A. H. Hieatzman. No. 1,405,918; Feb. 7.
- Engines, Governor valve for steam. A. K. Hinchman. No. 1,406,013; Feb. 7.
- Engines, Intake heater for gasoline. E. V. McCulloch. No. 1,406,048; Feb. 7.
- Engines, Lubricating system for explosive. P. Brevard. No. 1,405,396; Feb. 7.
- Engines, Piston for internal-combustion. O. Alt. No. 1,405,887; Feb. 7.
- Engines, Valve-operating device for internal-combustion. J. B. Kirby. No. 1,405,597; Feb. 7.
- Envelope variety, Container of the. M. Stark. No. 1,405,636; Feb. 7.
- Evaporating apparatus. O. Carr. No. 1,405,756; Feb. 7.
- Evaporating moisture-containing materials, Apparatus for. G. D. Harris. No. 1,405,780; Feb. 7.
- Evaporator system. S. Brown. No. 1,405,483; Feb. 7.
- Excavating machinery. B. A. Middlemiss. No. 1,405,796; Feb. 7.
- Exhibitor, Changeable. T. L. Easley. No. 1,405,767; Feb. 7.
- Explosive. G. Weber. No. 1,406,121; Feb. 7.
- Fabric: See—
Bedspring fabric. Laminated fabric.
- Fat, The production of a solvent for. P. Dietze. No. 1,405,902; Feb. 7.
- Fence post. P. J. Hindmarsh. No. 1,405,586; Feb. 7.
- Field windings, Forming. C. G. Schulz and A. J. Croll. No. 1,406,092; Feb. 7.
- Files, Back for loose-leaf. C. F. McBee. No. 1,405,602; Feb. 7.
- Film holder. H. Berger, Jr. No. 1,405,892; Feb. 7.
- Filtering and purifying device. A. Sellin. No. 1,405,873; Feb. 7.
- Filtering apparatus. A. L. Genter. No. 1,405,406; Feb. 7.
- Finder. F. A. Wenman. No. 1,406,124; Feb. 7.
- Firearms, Sight for. F. W. Gordon. No. 1,405,834; Feb. 7.
- Fireplace. J. E. Langford. No. 1,406,037; Feb. 7.
- Fish box. W. T. Pettet. No. 1,405,865; Feb. 7.
- Fish-catching device. G. P. Riza. No. 1,405,740; Feb. 7.
- Fish lines, Device for taking in, holding, and paying out. H. Nelson. No. 1,405,546; Feb. 7.
- Fishing reel. B. M. W. Hanson. No. 1,406,005; Feb. 7.
- Fishing-reel oil-cap protector. S. T. Thorpe. No. 1,405,729; Feb. 7.
- Flag holder and classification lamp. O. F. Kloetzer. No. 1,406,034; Feb. 7.
- Flash light. F. M. Rosenfeld. No. 1,405,630; Feb. 7.
- Flax-breaking machines, Adjusting mechanism for the breaking rollers of. I. Etrich. No. 1,405,989; Feb. 7.
- Flexible coupling. G. A. Ungar. No. 1,406,112; Feb. 7.
- Floor rack, Sectional. G. F. Zaun. No. 1,405,655; Feb. 7.
- Flushing apparatus, Street. A. Fricker. No. 1,405,831; Feb. 7.
- Folding machine. J. Glendon. No. 1,405,776; Feb. 7.
- Frame: See—
Sectional bed frame.
- Fuel-burning apparatus. E. C. Jacobson. (Reissue.) No. 1,25,281; Feb. 7.
- Fuel, Liquid. M. C. Whitaker. No. 1,405,809; Feb. 7.
- Fuel, Producing liquid. W. T. Schreiber. No. 1,405,806; Feb. 7.
- Fuels, Producing liquid. W. T. Schreiber. No. 1,405,805; Feb. 7.
- Fulcrum and making same, Reversible. A. H. Peycke. No. 1,403,801; Feb. 7.
- Fume generator. R. A. Phelan and H. A. Weguelin. No. 1,405,802; Feb. 7.
- Furnace. T. S. Curtis. No. 1,405,762; Feb. 7.
- Furnace draft controller. H. M. Browne. No. 1,405,749; Feb. 7.
- Furnaces, Gas heater for. F. C. Baluss. No. 1,405,386; Feb. 7.
- Furniture, Article of. B. A. Kaszinski. No. 1,405,420; Feb. 7.
- Fuse device. J. P. Mentzer. No. 1,405,533; Feb. 7.
- Fuse, Refillable multiple. O. Gravenhorst and L. H  llrigl. No. 1,405,778; Feb. 7.
- Fuse, Renewable. H. Goodwin. No. 1,405,682; Feb. 7.
- Game. H. E. Ankener and L. A. Demarco. No. 1,405,705; Feb. 7.
- Game. V. E. Erwin. No. 1,405,988; Feb. 7.
- Game apparatus. F. P. Cawley. No. 1,405,967; Feb. 7.
- Game, Race. M. Cond  . No. 1,406,155; Feb. 7.
- Garbage, Collecting and trucking. E. B. Stuart. No. 1,405,952; Feb. 7.
- Garment, Combination. J. M. Atkinson. No. 1,405,962; Feb. 7.
- Garment fastener. I. N. Heatwole. No. 1,405,688; Feb. 7.
- Garment hanger. L. V. Hanson. No. 1,406,007; Feb. 7.
- Garment, Neck. S. S. Sampliner. No. 1,405,744; Feb. 7.
- Garment, Outer. H. Gendel. No. 1,405,405; Feb. 7.
- Garment supporter. M. L. Russell. No. 1,405,445; Feb. 7.
- Garment, Union. J. M. Atkinson. No. 1,405,963; Feb. 7.
- Garment, Work. G. E. Keck and F. K. Cuddy. No. 1,405,421; Feb. 7.
- Gate: See—
Automatic gate. Hydraulic water gate.
- Gas, Making sulphur-free water. C. S. Palmer. No. 1,405,863; Feb. 7.
- Gas motors or internal-combustion engines, Mechanical starter for. E. C. Howard. No. 1,406,018; Feb. 7.
- Gas plate. C. A. Kirkwood. No. 1,405,521; Feb. 7.
- Gases or air in which they are carried in suspension, Apparatus for extracting dust and fumes from. H. Milliken. No. 1,405,613; Feb. 7.
- Gauge: See—
Air gauge. Shingling gauge.
Liquid gauge. Tire gauge.
Shingle gauge.
- Gear, Change-speed. H. C. Blanc-Garin. No. 1,405,391; Feb. 7.
- Gear-control attachment, Steering. O. Melli and P. Blumberg. No. 1,405,854; Feb. 7.
- Gear-cutting machine. J. E. Gleason. No. 1,406,001; Feb. 7.
- Gears and pinions, Method and means for inserting teeth in. W. D. Troutner. No. 1,406,110; Feb. 7.
- Gearing. J. V. E. Erickson. No. 1,405,509; Feb. 7.
- Gearing, Variable-speed. E. M. Miller. No. 1,405,713; Feb. 7.
- Generator: See—
Fume generator. Steam generator.
Motor generator.
- Glass, Apparatus for feeding molten. K. E. Peller. No. 1,405,936; Feb. 7.
- Glass-article carrier. H. F. Clark. No. 1,405,757; Feb. 7.
- Glassware-ejecting mechanism. E. H. Lorenz and K. E. Peller. No. 1,406,045; Feb. 7.
- Glue and the like from glue material, Making. O. R  hm. No. 1,405,741; Feb. 7.
- Goggles. F. W. King. No. 1,405,787; Feb. 7.
- Golf balls, Treating. H. A. Hoffman. No. 1,405,845; Feb. 7.
- Grain-handling means. E. C. Starnes and E. C. Willis. No. 1,405,692; Feb. 7.
- Grain separator. H. Downing. No. 1,405,766; Feb. 7.
- Grease cup. L. N. Bourdeau. No. 1,405,566; Feb. 7.
- Grinding and polishing machine. E. C. Springer. No. 1,405,454; Feb. 7.
- Grinding block. C. A. Yehle. No. 1,405,474; Feb. 7.
- Grinding machine. W. E. Trent. No. 1,406,109; Feb. 7.
- Grinding machines, Wheel guard for. C. Knowles. No. 1,405,922; Feb. 7.
- Grinding tool. A. E. Maynard. No. 1,405,424; Feb. 7.
- Grindstones, Apparatus for dressing pulp-wood. W. P. Hikin. No. 1,406,138; Feb. 7.
- Guide, Board. F. L. Lane. No. 1,405,599; Feb. 7.
- Guide, Rolling-mill. L. M. Ekstrand. No. 1,405,985; Feb. 7.
- Gun, Pneumatic. H. Boileau. No. 1,405,664; Feb. 7.
- Gun sight. S. G. Green. No. 1,405,580; Feb. 7.
- Gyroscopes, Damping means for. H. L. Tanner. No. 1,405,807; Feb. 7.
- Hair-curling device. E. Roessner. No. 1,406,083; Feb. 7.
- Hair-drawing machine. M. Perkins. No. 1,405,626; Feb. 7.
- Hair dye. I. H. Stoll. No. 1,405,458; Feb. 7.
- Hairpin. C. L. Christofferson. No. 1,405,815; Feb. 7.
- Hame and trace connector. F. H. Haggood. No. 1,406,008; Feb. 7.
- Hammers, Adjustable guide for. S. Paul. No. 1,405,799; Feb. 7.

- Hand brake. J. F. O'Connor. No. 1,405,621; Feb. 7.
 Handle: *See*—
 Adjustable handle.
 Handle. G. E. Curtiss. No. 1,405,971; Feb. 7.
 Handle, Adjustable. H. Lewis. No. 1,405,712; Feb. 7.
 Hanger: *See*—
 Book hanger.
 Garment hanger.
 Harrow, Revolving toothed-disk. O. A. Olson. No. 1,405,860; Feb. 7.
 Harvester. C. W. Woodson. No. 1,405,885; Feb. 7.
 Harvester, Cane. H. O. Scranton. No. 1,406,093; Feb. 7.
 Harvester, Self-propelled heading and thrashing. J. Fric. No. 1,405,774; Feb. 7.
 Hat-creaser retainer. B. Reichard. No. 1,406,078; Feb. 7.
 Hay loaders, Attachment for. J. G. Taylor and H. Stoker. No. 1,405,808; Feb. 7.
 Hayrack unloader. V. G. Ouellette. No. 1,405,862; Feb. 7.
 Haystacker. G. S. Beemer. No. 1,405,859; Feb. 7.
 Headlight. R. E. James. No. 1,406,025; Feb. 7.
 Headlight, Vehicle. R. Verch. No. 1,406,115; Feb. 7.
 Heater: *See*—
 Electric liquid heater.
 Water heater.
 Electric water heater.
 Heater. G. W. Sharp. No. 1,405,943; Feb. 7.
 Heel-preparing machine, Shoe. A. Ferri. No. 1,405,800; Feb. 7.
 Heel-shaping machines, Swinging bracket for. J. H. Vinton. No. 1,405,879; Feb. 7.
 Hog-scraping knife. T. W. Stewart. No. 1,405,457; Feb. 7.
 Hook: *See*—
 Supporting hook.
 Hopper construction, Sand. D. J. Campbell. No. 1,405,398; Feb. 7.
 Hullers, Beater adjustment for almond. A. R. Stephen. No. 1,405,726; Feb. 7.
 Hydraulic water gate. J. Bergdorf. No. 1,405,390; Feb. 7.
 Hydrazobenzol and its homologues, Deriving. W. H. Mahler. No. 1,405,732; Feb. 7.
 Hydrocarbons, shale, etc., Apparatus for distilling heavy. W. D. P. Aims. No. 1,405,704; Feb. 7.
 Ice fishing indicator. H. and P. Larsen. No. 1,406,038; Feb. 7.
 Ignition apparatus. F. F. Dorsey. No. 1,405,979; Feb. 7.
 Indicator: *See*—
 Ice fishing indicator.
 Injector. E. Blauhorn. No. 1,406,145; Feb. 7.
 Inkstand, Blotting. J. G. Schwartz. No. 1,405,558; Feb. 7.
 Inner-tube cover. E. J. Rudolph. No. 1,406,086; Feb. 7.
 Insect trap. A. S. Erickson. No. 1,405,822; Feb. 7.
 Insecticide. N. E. Morgan. No. 1,405,856; Feb. 7.
 Insulator, Sectional. S. S. Matthes. No. 1,405,608; Feb. 7.
 Internal-combustion engine. J. T. Booth. No. 1,405,747; Feb. 7.
 Internal-combustion engine. J. E. and T. R. Everett. No. 1,405,403; Feb. 7.
 Iron and its alloys, Composition for treating. W. H. Fisher and P. Chambers. No. 1,405,678; Feb. 7.
 Jack: *See*—
 Shoemaker's jack.
 Jar, Weldless drill. G. R. Watson. No. 1,405,468; Feb. 7.
 Jaw, Brake-rod. E. M. Summerhays. No. 1,405,877; Feb. 7.
 Journal box and mounting. L. K. Stafford. No. 1,406,099; Feb. 7.
 Knife: *See*—
 Hog-scraping knife.
 Knife-setting machine. N. A. Lockwood. No. 1,405,790; Feb. 7.
 Knitting lace work, Pattern mechanism for machine for. J. Eppler. No. 1,405,769; Feb. 7.
 Knitting-machine, attachment. G. W. Wilson. No. 1,406,128; Feb. 7.
 Labeling machine. H. Carle. No. 1,405,755; Feb. 7.
 Laminated fabric. M. Hirschfeld. No. 1,405,511; Feb. 7.
 Lard, etc., Apparatus for cooling. C. S. Hardy. No. 1,405,584; Feb. 7.
 Latch-operating means, Adjustable. E. L. Teich. No. 1,405,695; Feb. 7.
 Lathe attachment. C. C. Craley. No. 1,405,670; Feb. 7.
 Lathe tool. G. E. Madison. No. 1,405,605; Feb. 7.
 Lathes, Milling and keyway-cutting attachment for. W. G. and C. Edwards. No. 1,405,909; Feb. 7.
 Lathes, shaping, planing, and other like machines, Tool holder for. R. Miller and S. C. Icke. No. 1,405,714; Feb. 7.
 Laundry assorting apparatus. R. W. Barrier. No. 1,405,964; Feb. 7.
 Lavatory. J. F. Kelly. No. 1,406,030; Feb. 7.
 Leaf-upsetting device. C. R. Fargo. No. 1,405,993; Feb. 7.
 Leather, Treatment and utilization of scrap or waste. S. C. Lansdown and P. Magnus. No. 1,405,600; Feb. 7.
 Leg block. S. Battaglia. No. 1,406,144; Feb. 7.
 Lens mount, Focusing. J. Tessier. No. 1,405,463; Feb. 7.
 Lens-testing device. R. M. Wahlgren and E. J. R. Beatty. No. 1,406,118; Feb. 7.
 Letter, Interchangeable. T. N. Evens. No. 1,405,991; Feb. 7.
 Letters, Process and machine for printing complete form. E. E. Strawn. No. 1,406,101; Feb. 7.
 Lever with braked motion, Control hand. R. J. C. Tampi. No. 1,406,103; Feb. 7.
 Lid adjuster and support. C. Peterson. No. 1,405,433; Feb. 7.
 Light: *See*—
 Flash light.
 Lighting fixture. C. F. Eckhart. No. 1,405,674; Feb. 7.
 Line casting machines, Attachment for. J. E. Cranny. No. 1,405,498; Feb. 7.
 Line fastener. L. O. Larson. No. 1,405,423; Feb. 7.
 Link, Fusible. M. K. Hopkins. No. 1,405,512; Feb. 7.
 Link, Fusible. M. K. Hopkins. No. 1,405,588; Feb. 7.
 Liquid conveyor. E. W. Crane. No. 1,406,158; Feb. 7.
 Liquid-elevating apparatus. H. Kapferer. No. 1,405,595; Feb. 7.
 Liquid gauge. J. A. Orr. No. 1,405,798; Feb. 7.
 Liquor, Utilizing waste. C. J. Thatcher. No. 1,405,954; Feb. 7.
 Lock: *See*—
 Bag-frame lock.
 Combination lock.
 Nut lock.
 Tire lock.
 Lock, Combination. R. Elcock. No. 1,405,987; Feb. 7.
 Lock nut. G. W. Lester. No. 1,406,043; Feb. 7.
 Locomotive. A. T. Kasley. No. 1,405,848; Feb. 7.
 Locomotive smoke fronts, Removing cranes for. A. T. Kuehner. No. 1,405,555; Feb. 7.
 Loom shuttle, Automatically-threading. I. Snow. No. 1,405,452; Feb. 7.
 Looms, Feeler mechanism for. C. B. Lane. No. 1,405,522; Feb. 7.
 Looms, Feeler mechanism for. I. Snow. No. 1,405,451; Feb. 7.
 Looms, Warp stop motion for. A. E. Rhoades. No. 1,405,441; Feb. 7.
 Low-water alarm. W. S. Jackson. No. 1,406,024; Feb. 7.
 Low-water alarm. J. G. Talmage. No. 1,405,953; Feb. 7.
 Lubricator: *See*—
 Leaf-spring lubricator.
 Lubricator, Leaf-spring. W. Grus, Jr. No. 1,405,582; Feb. 7.
 Machine tool. C. D. Oesterlein and L. H. Blood. No. 1,405,622; Feb. 7.
 Magazine catch and release. G. Hammond. No. 1,405,685; Feb. 7.
 Magnesia, Production of. H. P. Bassett. No. 1,405,388; Feb. 7.
 Mail-box signal. H. E. Gustafson. No. 1,405,583; Feb. 7.
 Map meter. A. Jansson. No. 1,405,417; Feb. 7.
 Measuring and dispensing apparatus, Liquid. J. Fleckenstein. No. 1,405,827; Feb. 7.
 Measuring apparatus. J. Fleckenstein. No. 1,405,826; Feb. 7.
 Measuring device. E. B. Cade. No. 1,405,754; Feb. 7.
 Measuring instrument. K. Lauer. No. 1,405,711; Feb. 7.
 Measuring instrument. K. Lauer. No. 1,405,926; Feb. 7.
 Measuring machine, Totalizing. J. L. Wheeler. No. 1,406,126; Feb. 7.
 Medicinal preparation. E. H. Gane. No. 1,405,999; Feb. 7.
 Metal-working machine. P. R. Hahnemann. No. 1,406,004; Feb. 7.
 Meter: *See*—
 Map meter.
 Mill: *See*—
 Disk grinding mill.
 Ore stamp mill.
 Mills, Attachment for mixing. A. O. Abbott, Jr. No. 1,405,383; Feb. 7.
 Mines, Electric signaling system for. A. Major. No. 1,405,853; Feb. 7.
 Mixer: *See*—
 Concrete mixer.
 Mixing device. W. H. Van Voorhis and L. D. Van Voorhis. No. 1,406,113; Feb. 7.
 Mold: *See*—
 Column mold.
 Molds, Appliance for foundry. H. McCorkel. No. 1,405,929; Feb. 7.
 Molding press. C. F. Burroughs. No. 1,405,484; Feb. 7.
 Monolithic wall. M. J. Graham. No. 1,405,579; Feb. 7.
 Motor: *See*—
 Current motor.
 Electric motor.
 Safety-razor motor.
 Wave and tidal motor.
 Motor controller. A. J. Cline. No. 1,405,493; Feb. 7.
 Motor generator. C. H. Bunch. No. 1,405,965; Feb. 7.
 Motors against the effects of frost, Device for the protection of the cooling means of explosion. E. E. Molas. No. 1,405,797; Feb. 7.
 Motors, Driving means for spring. A. V. Wilson. No. 1,405,649; Feb. 7.
 Motors, Fuel-feeding system for internal-combustion. J. C. Coulombe. No. 1,406,157; Feb. 7.
 Motors, Intermittent starting device for internal-combustion. E. M. Borgo. No. 1,406,146; Feb. 7.
 Nailing implement. B. R. Kabigting. No. 1,406,027; Feb. 7.
 Name-plate attachment. O. Nelson. No. 1,405,547; Feb. 7.
 Newspapers, books, etc., Portable kiosk for selling. D. Ihmels. No. 1,406,021; Feb. 7.
 Note holder. H. Levy. No. 1,405,850; Feb. 7.
 Nut, Lock. H. G. Norwood. No. 1,406,065; Feb. 7.

- Nut lock. J. J. Sammons. No. 1,406,161; Feb. 7.
 Oil, Apparatus for treating crude. W. H. Summers. No. 1,405,876; Feb. 7.
 Oil burner. L. S. Chadwick. No. 1,405,488; Feb. 7.
 Oil wells, Fishing tool for. O. Dhooze. No. 1,405,976; Feb. 7.
 Oil wells, Pumping valve for. E. Schnell. No. 1,405,447; Feb. 7.
 Oiling machine, Floor-. A. Wenger. No. 1,406,123; Feb. 7.
 Onion from wheat, Method and apparatus for separating. C. A. Whittaker. No. 1,406,127; Feb. 7.
 Ore stamp mill. J. W. Van Meter. No. 1,405,467; Feb. 7.
 Organ player, Pneumatic. C. Meier. No. 1,405,932; Feb. 7.
 Ozone compounds, Apparatus for and process of preparing. A. J. Moisant. No. 1,406,058; Feb. 7.
 Package. R. Speidel. No. 1,406,098; Feb. 7.
 Package tie. G. W. Stout. No. 1,405,459; Feb. 7.
 Pad: See—
 Spring pad.
 Paper, Machine for making stretchable crinkled. B. Arkell. No. 1,405,384; Feb. 7.
 Paper-making machines, Paste regulator for. G. Hardy. No. 1,406,009; Feb. 7.
 Paper, Making pulp used in the manufacture of. C. W. Shartle. No. 1,405,946; Feb. 7.
 Paper pulp, Manufacturing. C. W. Shartle. Nos. 1,405,944-5; Feb. 7.
 Paper-vending machine. J. A. and V. A. Szymanski. No. 1,405,462; Feb. 7.
 Pen pencil, Fountain-. J. H. Crowell. No. 1,405,970; Feb. 7.
 Pencil. A. Michael. No. 1,406,056; Feb. 7.
 Pencil lead. L. W. McCandless. No. 1,405,791; Feb. 7.
 Pencils, Single-magazine. A. F. Poole. No. 1,406,077; Feb. 7.
 Pendant, Self-luminous chain. R. W. Erdle. No. 1,405,770; Feb. 7.
 Penholders, Blotting attachment for. E. W. L. Nicol. No. 1,405,550; Feb. 7.
 Percolator. H. C. Biette. No. 1,405,662; Feb. 7.
 Percolator, Coffee. G. Rathman. No. 1,405,939; Feb. 7.
 Percolators, Guard for the handles of coffee. C. J. Duquette. No. 1,405,983; Feb. 7.
 Phonograph. J. T. Leitch. No. 1,406,042; Feb. 7.
 Phonographs, Motor drive for. J. H. Dickinson. No. 1,405,572; Feb. 7.
 Phonographs, Sound-modifying device for. J. R. Parrish. No. 1,406,069; Feb. 7.
 Photographic copying and enlarging apparatus. K. Lehto. No. 1,406,041; Feb. 7.
 Picture-projecting machine, Automatic motion-. J. E. Winterburn. No. 1,405,884; Feb. 7.
 Pigments with rubber, Preparation of and the mixing of. C. J. Randall. No. 1,405,439; Feb. 7.
 Pin: See—
 Aluminum rolling pin.
 Pin. P. S. Dahl. No. 1,405,500; Feb. 7.
 Pins, Machine for making safety. G. Boden. No. 1,405,392; Feb. 7.
 Pin fastening. L. B. Cornell. No. 1,405,761; Feb. 7.
 Pipe machines, Attachment for. L. P. Hustedler. No. 1,405,784; Feb. 7.
 Pipe wrench, Inside. W. A. Butler. No. 1,405,896; Feb. 7.
 Pipes, Automatic shut-off for locomotive steam. H. R. Stafford. No. 1,405,950; Feb. 7.
 Pistol. L. N. Diehm. No. 1,405,765; Feb. 7.
 Piston apparatus, Rotary. R. S. M. Mitchell. No. 1,405,736; Feb. 7.
 Piston packing. A. D. Morris. No. 1,405,540; Feb. 7.
 Piston ring. E. G. Menzenworth. No. 1,406,054; Feb. 7.
 Plant box. R. A. Conklin. No. 1,405,568; Feb. 7.
 Plant product, Decorative. R. L. Johnston and J. S. Wallner. No. 1,405,786; Feb. 7.
 Planters, Marker for. J. H. Boehme. No. 1,405,480; Feb. 7.
 Planting machine. F. X. Ratkovic. No. 1,405,866; Feb. 7.
 Plate, Floor or ceiling. H. A. Vanderbrouk. No. 1,405,465; Feb. 7.
 Plates and ranges, Safety cabinet for gas. A. W. Cheney. No. 1,405,489; Feb. 7.
 Plier wrench. P. F. King. No. 1,406,032; Feb. 7.
 Post: See—
 Fence post.
 Power presses, Guard for. W. Woelfel. No. 1,405,957; Feb. 7.
 Power-transmission means. A. F. Beitzell and B. D. Weikert. No. 1,405,479; Feb. 7.
 Power-transmitting mechanism. A. F. Anderson. No. 1,405,382; Feb. 7.
 Press: See—
 Molding press. Printing press.
 Multiform printing press.
 Press. M. H. Ballard. No. 1,405,385; Feb. 7.
 Preserving perishable products, Apparatus for. G. L. A. Friedrichs. No. 1,405,775; Feb. 7.
 Pressure regulator. A. Swensen. No. 1,405,461; Feb. 7.
 Printing, Method and means for. L. E. Woodard. No. 1,406,132; Feb. 7.
 Printing press. L. P. Hughes. No. 1,405,515; Feb. 7.
 Printing press, Multiform. L. P. Hughes. No. 1,405,513; Feb. 7.
 Printing presses, Gripper for. R. T. Snell. No. 1,405,949; Feb. 7.
 Propeller. J. B. Flowers. No. 1,405,910; Feb. 7.
 Propeller blades, Lead adjustment for. E. Weaver. No. 1,405,643; Feb. 7.
 Pulley, Adjustable. M. L. Hudson. No. 1,405,590; Feb. 7.
 Pulley-cord clip. L. B. Odson. No. 1,405,426; Feb. 7.
 Pulp, Apparatus for manufacturing. C. W. Shartle. No. 1,405,947; Feb. 7.
 Pulverulent material, Solidifying. C. J. Randall and R. R. Taylor. No. 1,405,440; Feb. 7.
 Pump, Air. D. G. Edwards. No. 1,405,907; Feb. 7.
 Pump and motor unit. H. J. W. R., and E. M. Wood. No. 1,405,959; Feb. 7.
 Pump, Combined feed and brine. E. H. Nelson and E. A. Dewald. No. 1,405,737; Feb. 7.
 Pump, Running-board. D. G. Edwards. No. 1,405,908; Feb. 7.
 Pumps, Attachment for. C. W. Lake. No. 1,406,036; Feb. 7.
 Punch and die apparatus. R. Rittmeyer. No. 1,406,081; Feb. 7.
 Punching presses, Safety device for. J. A. Van Horn. No. 1,405,466; Feb. 7.
 Rack: See—
 Sectional floor rack. Spool rack.
 Shoe rack.
 Radiator. H. F. Ackerman and J. F. Habben. No. 1,405,381; Feb. 7.
 Radiator, Electrically-heated. J. H. Mills. No. 1,406,057; Feb. 7.
 Radiators, Repairing automobile. W. L. Walter. No. 1,405,880; Feb. 7.
 Radio receiving apparatus. F. W. Dunmore. No. 1,405,905; Feb. 7.
 Rail anchor. H. P. McFarland. No. 1,405,604; Feb. 7.
 Rail-tie chair. J. J. Markovich. No. 1,405,607; Feb. 7.
 Rails, Device for joining. W. D. Yocum. No. 1,405,886; Feb. 7.
 Railway crosstie, Metallic. H. C. Odenkirk. No. 1,405,556; Feb. 7.
 Railway signal mechanism. J. P. Coleman. No. 1,405,494; Feb. 7.
 Railway switch. J. S. Reid. No. 1,406,079; Feb. 7.
 Railway switches, Device for connecting circuit controllers with. W. P. Neubert. No. 1,405,548; Feb. 7.
 Railway-ticket-receipt punch. G. C. Peterson. No. 1,405,434; Feb. 7.
 Railway tie, Concrete. C. A. Pierson. No. 1,406,074; Feb. 7.
 Railway ties, Tie plate for metal. J. Pira. No. 1,405,628; Feb. 7.
 Railway-traffic-controlling apparatus. F. H. Nicholson. No. 1,405,552; Feb. 7.
 Railway trapdoor lock mechanism. T. C. Cork. No. 1,405,496; Feb. 7.
 Rat trap. J. F. Keller. No. 1,406,028; Feb. 7.
 Razor guard, Safety-. W. P. Coleman. No. 1,405,759; Feb. 7.
 Razor motor, Safety-. C. I. Matson. No. 1,405,794; Feb. 7.
 Reel: See—
 Fishing reel.
 Reel. G. M. Henderson. No. 1,406,010; Feb. 7.
 Reflector, Headlight. C. A. B. Halvorson, Jr. No. 1,405,410; Feb. 7.
 Registering apparatus, Watchman's. J. Stuart. No. 1,405,727; Aug. 7.
 Regulator: See—
 Electric regulator. Window regulator.
 Pressure regulator.
 Repeater-network-selecting apparatus. C. S. Demarest. No. 1,405,501; Feb. 7.
 Respiratory apparatus. G. Anston. No. 1,406,141; Feb. 7.
 Rheostats or equivalent devices, automatically-operating means for controlling. P. K. Westcott. No. 1,405,469; Feb. 7.
 Rim, Demountable. R. Rischmuller. No. 1,405,803; Feb. 7.
 Ring: See—
 Piston ring.
 Ripping device. J. C. McGee. No. 1,405,529; Feb. 7.
 Road construction. G. H. Padgett. No. 1,406,068; Feb. 7.
 Rod: See—
 Curtain rod. Sucker rod.
 Rolling window screen. N. H. Nelson. No. 1,405,618; Feb. 7.
 Roof construction. C. Burnett. No. 1,405,966; Feb. 7.
 Roofing, Sheet-metal. E. R. Probert. No. 1,406,082; Feb. 7.
 Room ventilator. A. Schaffer. No. 1,406,089; Feb. 7.
 Roundabout. W. C. Lehman. No. 1,406,040; Feb. 7.
 Rubber cylinders, Making. J. R. Gammeter. No. 1,405,998; Feb. 7.
 Rubber jars, Manufacture of. L. E. Klug. No. 1,406,160; Feb. 7.
 Rubbing machine. E. B. Stuart. No. 1,405,639; Feb. 7.
 Rules, Printing. A. W. Erickson. No. 1,405,570; Feb. 7.
 Safes, Attachment for. A. M. Ullman. No. 1,405,641; Feb. 7.
 Sales book, Manifolding. E. K. Bottle. No. 1,405,748; Feb. 7.
 Sanitary fixture. L. T. Audi. No. 1,405,476; Feb. 7.

- Sash construction, Metal. G. H. Forsyth. No. 1,405,829; Feb. 7.
- Saw handle and blade connection. C. Larson. No. 1,405,925; Feb. 7.
- Sawing machine. L. H. Thullen. No. 1,405,697; Feb. 7.
- Scale. W. S. Smith. No. 1,405,634; Feb. 7.
- Screen. *See—*
Rolling window screen.
- Screw driver. A. E. Simmons. No. 1,405,723; Feb. 7.
- Scutching machine. I. Etrich. No. 1,405,990; Feb. 7.
- Seat. R. M. Montgomery. No. 1,406,059; Feb. 7.
- Seed-reclaiming process. S. Herr. No. 1,405,690; Feb. 7.
- Separator. *See—*
Grain separator.
- Sewing machine. P. P. Ruhe and W. A. Sonen. No. 1,405,443; Feb. 7.
- Sewing machine, Button-. W. L. Barron. No. 1,405,477; Feb. 7.
- Sewing machines, Stitch-forming mechanism for. J. R. Moffatt. No. 1,405,855; Feb. 7.
- Shade and blind holder, Adjustable. W. Dunson. No. 1,405,400; Feb. 7.
- Sharpening machine. C. S. Swaim and C. Corum. No. 1,405,561; Feb. 7.
- Sharpening tool. C. V. Wright. No. 1,405,730; Feb. 7.
- Sheet, Loose-leaf. H. M. Williams. No. 1,405,882; Feb. 7.
- Sheet-registering device. L. P. Hughes. No. 1,405,514; Feb. 7.
- Sheets, Method of and means for heating printed. J. E. Doyle. No. 1,405,506; Feb. 7.
- Shingle gauge. I. Bonnell. No. 1,405,393; Feb. 7.
- Shingle, Strip. H. Abraham. (Reissue.) No. 1,5280; Feb. 7.
- Shingling gauge. F. Collins and D. D. MacCormack. No. 1,405,760; Feb. 7.
- Ship. A. F. Hamacek. No. 1,405,684; Feb. 7.
- Ship. M. F. Hill. No. 1,405,844; Feb. 7.
- Ship signaling apparatus. P. S. Grierson and S. N. Mead. No. 1,405,839; Feb. 7.
- Shock absorber. C. M. Garland. No. 1,405,912; Feb. 7.
- Shock absorber. P. Petri. No. 1,405,937; Feb. 7.
- Shock absorber and stabilizer. R. B. Morse. No. 1,405,541; Feb. 7.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. No. 1,405,620; Feb. 7.
- Shock snubber. W. A. Anglemeyer. No. 1,405,813; Feb. 7.
- Shoe and sole therefor. A. P. Kingston. No. 1,406,033; Feb. 7.
- Shoe fastener. J. A. Dame. No. 1,405,974; Feb. 7.
- Shoe rack. B. Moore. No. 1,405,539; Feb. 7.
- Shoemaker's jack. J. A. Strange. No. 1,405,875; Feb. 7.
- Shoes, Device for use in turning heel portions of molded-counter turned. F. E. Toothaker. No. 1,405,531; Feb. 7.
- Shoes, Making. H. E. Martin. No. 1,405,530; Feb. 7.
- Shoes, Making soles for turned. A. A. Somerville. No. 1,405,453; Feb. 7.
- Shovel. C. H. Wolfe. No. 1,405,653; Feb. 7.
- Shovel, Power. C. H. Wolfe. No. 1,405,652; Feb. 7.
- Sign bracket, Adjustable. C. C. Hardesty. No. 1,405,842; Feb. 7.
- Signal. *See—*
Automobile direction signal. Mail-box signal.
Automobile signal. Traffic signal.
- Signal-transmitting system. H. S. Osborne. No. 1,405,428; Feb. 7.
- Silk, Apparatus employed in the manufacture of artificial. J. Clayton. No. 1,406,153; Feb. 7.
- Sink lining. M. A. Brady. No. 1,406,147; Feb. 7.
- Skate. C. B. Drevitson. No. 1,405,981; Feb. 7.
- Skate-attaching means. O. J. St. Pierre. No. 1,405,951; Feb. 7.
- Skimmer. C. E. Chambers. No. 1,405,668; Feb. 7.
- Sled. H. Nilsson. No. 1,405,858; Feb. 7.
- Sleigh. E. A. Halseth. No. 1,405,779; Feb. 7.
- Slug and rule, Printer's. W. E. Taylor. No. 1,406,104; Feb. 7.
- Snap fastener. R. J. Mulvey. No. 1,405,933; Feb. 7.
- Socket. B. F. Kelley. No. 1,406,029; Feb. 7.
- Sound recording and reproducing machine. T. O. Loveland. No. 1,406,046; Feb. 7.
- Sound-reproducing machines, Repeating attachment for. G. L. Bullock. No. 1,405,751; Feb. 7.
- Spar. W. H. Barling. No. 1,405,889; Feb. 7.
- Spark plug. T. F. Hanway. No. 1,405,686; Feb. 7.
- Spark plug. T. E. New. No. 1,405,549; Feb. 7.
- Spark plug. C. B. White. No. 1,405,701; Feb. 7.
- Spectacle-frame machinery. A. E. Maynard. No. 1,406,053; Feb. 7.
- Speedometers, Trip reset for. C. Carson. No. 1,405,899; Feb. 7.
- Spool rack. A. J. Northcraft. No. 1,405,554; Feb. 7.
- Spout, Pouring. H. L. Strongson. No. 1,405,638; Feb. 7.
- Spray. B. Wilkie. No. 1,405,810; Feb. 7.
- Spring. *See—*
Door spring. Vehicle spring.
- Spring. C. E. Mauners. No. 1,405,606; Feb. 7.
- Spring pad. S. S. Marcus and S. Krakauer. No. 1,406,051; Feb. 7.
- Sprinkler. J. R. Meadowcroft. No. 1,405,611; Feb. 7.
- Sprinkler system, Automatic pumping. J. R. Hamilton. No. 1,405,411; Feb. 7.
- Stalk-cutter attachment. J. M. Haynes. No. 1,405,782; Feb. 7.
- Stamp, Band. M. L. Willard. No. 1,405,811; Feb. 7.
- Stamp, Hand. M. Rumpf and W. E. Nimz. No. 1,405,444; Feb. 7.
- Stamping machine, Computing-card-. G. W. Odell. No. 1,406,067; Feb. 7.
- Starch, Producing laundry. E. N. McVeigh. No. 1,406,050; Feb. 7.
- Starter, Air-compression. W. C. Garwood and C. P. Weber. No. 1,405,913; Feb. 7.
- Starting system. E. H. Schwarz. No. 1,405,942; Feb. 7.
- Steam generator. J. F. Lindberg. No. 1,406,044; Feb. 7.
- Steering device and gauge, Combination. R. A. Crosby and E. L. Colson. No. 1,405,901; Feb. 7.
- Steering mechanism. C. B. Post. No. 1,405,435; Feb. 7.
- Sterilizing and cooling apparatus. S. M. Crawford. No. 1,405,816; Feb. 7.
- Stock, Drinking cup for. B. A. Belling. No. 1,405,478; Feb. 7.
- Stock feeder, Self-measuring. F. W. Wester. No. 1,406,125; Feb. 7.
- Stock-feeding apparatus, Automatic. C. P. Pauly. No. 1,405,431; Feb. 7.
- Stock, Tuyère. S. R. Greene. No. 1,405,683; Feb. 7.
- Stoker, Mechanical. A. B. Fahnstock. No. 1,405,677; Feb. 7.
- Stoker, Screw-feed. J. S. Skelly. No. 1,405,948; Feb. 7.
- Stokers, Refuse grinder and discharge mechanism for. O. Agram. No. 1,405,814; Feb. 7.
- Stone-gathering machine. C. K. Nagy. No. 1,406,063; Feb. 7.
- Stone raker. J. A. Browne. No. 1,405,750; Feb. 7.
- Storage battery. W. H. Wood. Nos. 1,405,702-3; Feb. 7.
- Stove. A. B. Clark. No. 1,406,152; Feb. 7.
- Stovepipes, Automatic damper for. T. H. Ruddy. No. 1,405,871; Feb. 7.
- Stripper and huller. E. N. Maul. No. 1,405,610; Feb. 7.
- Stylus, Recording. C. I. Hall. No. 1,405,409; Feb. 7.
- Sucker rod. R. E. L. and C. W. Holmes. No. 1,406,017; Feb. 7.
- Suction cleaner apparatus, Mobile support for. C. D. Lanning. No. 1,405,924; Feb. 7.
- Sulphuric anhydride and sulphuric acid, Manufacture of. M. F. Chase and F. E. Pierce. No. 1,405,669; Feb. 7.
- Supporting hook. T. H. Ryan. No. 1,406,087; Feb. 7.
- Surveyor's instrument and range finder. J. Ceserani. No. 1,406,150; Feb. 7.
- Switch. *See—*
Electric switch. Railway switch.
- Switching and braking device. H. Von Scoy. No. 1,405,562; Feb. 7.
- Table. *See—*
Dining table.
- Tableware. C. Abrell. No. 1,406,135; Feb. 7.
- Talking machine. E. A. Eschinger. No. 1,405,675; Feb. 7.
- Tank siphon. W. Rine. No. 1,406,080; Feb. 7.
- Tappet. J. C. Reaves. No. 1,405,719; Feb. 7.
- Tar, sand, and asphalt mixer. T. H. Murphy. No. 1,405,543; Feb. 7.
- Telegraph, Fire-alarm. L. Degen. No. 1,405,673; Feb. 7.
- Telephonic receiver. A. and L. D. Williams. No. 1,405,472; Feb. 7.
- Template. H. E. Vrooman. No. 1,406,117; Feb. 7.
- Thermometer holder case. W. A. Black. No. 1,405,709; Feb. 7.
- Thimble. R. Luse. (now by marriage R. L. Claar.) No. 1,405,928; Feb. 7.
- Tie. *See—*
Concrete railway tie. Package tie.
- Timer-supporting bracket. E. Smith. No. 1,405,724; Feb. 7.
- Timing mechanism. W. J. Wray. No. 1,405,961; Feb. 7.
- Tire. L. T. Bailey. No. 1,405,888; Feb. 7.
- Tire. M. Charles. No. 1,406,151; Feb. 7.
- Tire, Cushion. J. Hadely. No. 1,406,016; Feb. 7.
- Tire gauge. I. Pulverman. No. 1,405,436; Feb. 7.
- Tire lock. H. G. Levy. (Reissue.) No. 15,282; Feb. 7.
- Tire, Oversized plural truck. C. J. Dalton. No. 1,405,972; Feb. 7.
- Tire, Oversized truck. C. J. Dalton. No. 1,405,973; Feb. 7.
- Tire, Resilient. M. J. O'Connor. No. 1,405,859; Feb. 7.
- Tire, Resilient. L. W. Wood. No. 1,405,960; Feb. 7.
- Tires, Apparatus for building cord. C. F. Ofensend. No. 1,405,427; Feb. 7.
- Tires, Device for facilitating emplacement and displacement of flexible. J. Schmitt. No. 1,405,872; Feb. 7.
- Tires, Method of and apparatus for making resilient. G. H. Wheatley. No. 1,405,470; Feb. 7.
- Tongue guard. F. O. Heatwole. No. 1,405,689; Feb. 7.
- Tool holder. B. M. W. Hanson. No. 1,406,006; Feb. 7.
- Tool holder, Machine-. C. L. Newland. No. 1,406,064; Feb. 7.
- Tool kit for mechanics, Metal. H. L. Kennedy. No. 1,405,422; Feb. 7.
- Tool, Stepping. E. J. and R. E. Cotter. No. 1,406,156; Feb. 7.
- Tools, Appliance for. J. Pavelka. No. 1,406,071; Feb. 7.
- Tooth, Connecting the backing and facing of a. L. H. Sprinkle. No. 1,405,874; Feb. 7.
- Towing engine. T. S. Miller. No. 1,405,612; Feb. 7.
- Toy. L. Burke, Jr. No. 1,405,752; Feb. 7.
- Toy dynamo, Armature brush holder for electric. J. L. Cowen. No. 1,405,497; Feb. 7.

- Traction wheels and jack shafts, Gear drive for. C. Owens. No. 1,405,430; Feb. 7.
 Tractor. A. E. Cain. No. 1,405,897; Feb. 7.
 Tractor, etc., drawbar. G. H. Dyer. No. 1,405,906; Feb. 7.
 Tractor hitch, Adjustable. W. B. Heenan. No. 1,405,916; Feb. 7.
 Tractor wheel. F. Evans. No. 1,405,823; Feb. 7.
 Tractor wheel. E. S. Salyards. No. 1,405,804; Feb. 7.
 Traffic-controlling system, Railway-. L. V. Lewis. No. 1,405,527; Feb. 7.
 Traffic signal. J. Fry. No. 1,405,997; Feb. 7.
 Traffic signal. L. J. Orendorf. No. 1,405,861; Feb. 7.
 Transmission-band lining. L. L. Libby. No. 1,405,601; Feb. 7.
 Transmission, Electrically-controlled. M. Taigman. No. 1,405,640; Feb. 7.
 Transmission lining. F. B. McIlroy. No. 1,406,049; Feb. 7.
 Trap: See—
 Insect trap. Rat trap.
 Trap. T. R. Schuirmann. No. 1,406,091; Feb. 7.
 Truck, Dumping. G. A. Wood. No. 1,406,131; Feb. 7.
 Trucks, Means for suspending cars upon. J. F. O'Connor. No. 1,405,619; Feb. 7.
 Tube cleaner. J. T. McGrath. No. 1,405,930; Feb. 7.
 Tubes, Method and apparatus for wrapping uncured tubes from cured. T. A. Jordan and A. E. Caesber. No. 1,405,418; Feb. 7.
 Tumbler, Dry-room. L. H. Kemper, V. E. Adland, and W. Bartholomew. No. 1,405,594; Feb. 7.
 Turbine. S. W. Nichols. No. 1,405,551; Feb. 7.
 Turbine, Steam. K. Baumann. Nos. 1,405,564-5; Feb. 7.
 Twine holder. S. Lee. No. 1,405,526; Feb. 7.
 Two-cycle engine. O. A. Derans. No. 1,405,975; Feb. 7.
 Two-cycle engine. E. E. Nelder. No. 1,405,545; Feb. 7.
 Typewriter mechanism. A. Slepman and A. Rademacher. No. 1,405,722; Feb. 7.
 Typewriting machine. W. F. Helmond. Nos. 1,405,412-3; Feb. 7.
 Typographical distributing machine. D. S. Kennedy. No. 1,405,518; Feb. 7.
 Typographical machine. L. C. Tinsley. No. 1,406,107; Feb. 7.
 Typographical machines, Automatic cut-out for. E. W. Pierson. No. 1,406,075; Feb. 7.
 Umbrella and cane holder. E. I. Snickers. No. 1,406,097; Feb. 7.
 Umbrella rib and stretcher. W. S. Evans. No. 1,405,824; Feb. 7.
 Umbrella-rib-top retainer. F. C. Ernst. No. 1,405,402; Feb. 7.
 Umbrella ribs and stretchers, Connection of. S. S. Fretz, Sr. No. 1,405,911; Feb. 7.
 Valve. J. H. Christman. No. 1,405,968; Feb. 7.
 Valve. J. A. Le Cain. No. 1,405,525; Feb. 7.
 Valve. E. W. Scribner and R. Depee. No. 1,405,631; Feb. 7.
 Valve. C. P. Smith. No. 1,406,096; Feb. 7.
 Valve, Accumulator safety. H. A. Jensenius. No. 1,406,026; Feb. 7.
 Valve and governor, Expansion. A. K. Hinchman. No. 1,406,014; Feb. 7.
 Valve, Duplex. J. L. Gish. No. 1,405,578; Feb. 7.
 Valve, Governor. A. K. Hinchman. Nos. 1,406,011-12; Feb. 7.
 Valve, Governor. A. K. Hinchman. No. 1,406,015; Feb. 7.
 Valve seats, Tool for refacing. J. J. Allen. No. 1,406,139; Feb. 7.
 Valve stems, Punch and die for straightening. H. F. Wolnick. No. 1,405,473; Feb. 7.
 Valve, Throttle. P. H. Gentzel. No. 1,405,833; Feb. 7.
 Vehicle, Double hand and foot propelled. A. Berglund. No. 1,405,660; Feb. 7.
 Vehicle frames, Pulp-wood filler for. E. M. Sternberg. No. 1,405,637; Feb. 7.
 Vehicle, Motor-propelled. H. D. Dargert. No. 1,405,763; Feb. 7.
 Vehicle, Motor. F. S. Duesenberg. No. 1,405,904; Feb. 7.
 Vehicle spring. R. Zeppegno. No. 1,406,134; Feb. 7.
 Vehicle support. E. A. Bansbach. No. 1,405,656; Feb. 7.
 Vehicle wheel. T. E. Murray. No. 1,405,617; Feb. 7.
 Vehicle wheel. J. C. Welch and W. F. Altenbaugh. No. 1,406,122; Feb. 7.
 Vehicle wheel, Resilient. J. A. Brennan. No. 1,405,395; Feb. 7.
 Vehicle wheel rim. W. N. Booth. No. 1,405,481; Feb. 7.
 Vehicle wheels, Detachable tread structure for. A. E. Mueller. No. 1,405,542; Feb. 7.
 Vehicles, Air pump for motor. C. H. and W. E. Camburn. No. 1,405,397; Feb. 7.
 Vehicles, Bumper support for motor. R. B. Fageol. No. 1,405,676; Feb. 7.
 Vehicles, Electric system for motor. T. L. Lee. No. 1,406,039; Feb. 7.
 Vehicles, Lifting jack for. J. M. Tobias. No. 1,406,108; Feb. 7.
 Vehicles, Running gear for. J. D. Gardner. No. 1,406,000; Feb. 7.
 Vehicles, Transmission lock for motor. R. H. McDonough. No. 1,405,603; Feb. 7.
 Ventilating device. J. M. Edwards. No. 1,405,820; Feb. 7.
 Ventilator: See—
 Room ventilator.
 Vessel, Cooking. E. G. Rowley. No. 1,406,159; Feb. 7.
 Vessel-salvaging apparatus. C. Bunk and H. F. Kuechler. No. 1,405,895; Feb. 7.
 Vibration detector. H. T. Kohlhaas. No. 1,405,849; Feb. 7.
 Viners, Screen drum for. F. Hamachek. No. 1,405,914; Feb. 7.
 Viscosimeter. H. N. Moody. No. 1,405,538; Feb. 7.
 Vise. T. Szydlowicz. No. 1,406,102; Feb. 7.
 Vise, Bench. H. E. Hagmueller. No. 1,405,840; Feb. 7.
 Wall construction. D. J. Flynn. No. 1,405,995; Feb. 7.
 Washboard. V. M. De Cano. No. 1,405,764; Feb. 7.
 Washing machine, Clothes-. F. A. Adams. Nos. 1,406,136-7; Feb. 7.
 Washing machines, Driving mechanism for. W. C. Bauer. No. 1,405,657; Feb. 7.
 Water heater. L. G. Lippman and F. E. Dixon. No. 1,405,789; Feb. 7.
 Water heater, Electric. R. M. Stephens. No. 1,406,100; Feb. 7.
 Wave and tidal motor. G. A. Bonelli. No. 1,405,746; Feb. 7.
 Wheel: See—
 Caster wheel. Resilient vehicle wheel.
 Disk automobile wheel. Tractor wheel.
 Disk wheel. Vehicle wheel.
 Reinforced disk wheel.
 Windshield-cleaning apparatus. W. M. Folberth. No. 1,405,773; Feb. 7.
 Windshield, Rear-seat. V. E. Crosby. No. 1,405,499; Feb. 7.
 Window frames or sashes, Apparatus for operating. H. Colombelle. No. 1,406,154; Feb. 7.
 Window, Metallic. W. W. Crocker. No. 1,405,817; Feb. 7.
 Window regulator. L. W. Gates. No. 1,405,510; Feb. 7.
 Windows and doors, Antirattler for. W. S. Forbes. No. 1,405,575; Feb. 7.
 Windows, Counterbalancing and adjustable sash for. W. H. Peaden. No. 1,405,557; Feb. 7.
 Wire, Electrolytically-coated. M. M. Merritt. Nos. 1,405,534-5; Feb. 7.
 Wire fastener. O. Olson. No. 1,405,715; Feb. 7.
 Wire fitting, Guy-. H. W. Flickinger. No. 1,405,828; Feb. 7.
 Wire rope. R. D. Green. Nos. 1,405,835-8; Feb. 7.
 Wool, Scouring. T. D. Smith. No. 1,405,560; Feb. 7.
 Wrench: See—
 Inside pipe wrench. Plier wrench.
 Wrench. L. F. Meyer. No. 1,405,795; Feb. 7.
 Wrench. B. G. Patterson. No. 1,405,716; Feb. 7.
 Wrench. C. Peterson. No. 1,405,432; Feb. 7.
 Wrench. F. Thueringer. No. 1,406,106; Feb. 7.
 Yarn, Device for guiding, clearing, and tensioning. J. O. McKean. No. 1,405,792; Feb. 7.

ALPHABETICAL LIST OF DESIGNS.

- Automobile body, Electric. W. C. Carr. No. 60,314; Feb. 7.
 Automobile ornament. H. I. Davidson. No. 60,323; Feb. 7.
 Automobile radiator cap. M. Simon. No. 60,380; Feb. 7.
 Badge. T. W. Holt. No. 60,344; Feb. 7.
 Bottle. F. J. de S. Coty. No. 60,320; Feb. 7.
 Bracelet. J. L. Sabbath. No. 60,377; Feb. 7.
 Burial garment. D. I. Parker. No. 60,367; Feb. 7.
 Candelabrum. S. H. Leavenworth. Nos. 60,351-4; Feb. 7.
 Ceiling plate. P. Mohrmann. No. 60,360; Feb. 7.
 Comb, Back. W. S. Bechtold. Nos. 60,302-7; Feb. 7.
 Container. H. H. Raynor. No. 60,370; Feb. 7.
 Doll. M. Rogers. No. 60,373; Feb. 7.
 Envelope band, Ornamental paper-strip. G. R. Burkhardt. No. 60,313; Feb. 7.
 Fabric. W. Dowling. No. 60,324; Feb. 7.
 Fabric. G. Gegenheimer. Nos. 60,329-31; Feb. 7.
 Faucet. S. Kersten. No. 60,347; Feb. 7.
 Fork and spoon, Combination. A. A. Quandee and S. G. Palmberg. No. 60,369; Feb. 7.
 Game board. G. McManus. No. 60,357; Feb. 7.
 Grease cup and gun, Combination. H. C. Moore. No. 60,361; Feb. 7.
 Hat creaser. S. M. Mund. No. 60,364; Feb. 7.
 Headlight. C. F. Damm. No. 60,322; Feb. 7.
 Headlight lens. J. W. Ross and W. A. Orr. No. 60,374; Feb. 7.
 Heater. E. Witzberger. No. 60,390; Feb. 7.
 Heater, Electric. H. C. Gordon. No. 60,337; Feb. 7.
 Heel lift, Resilient. L. M. Oakley. No. 60,366; Feb. 7.
 Lamp. G. L. Hopping. No. 60,345; Feb. 7.
 Lamps, Duplex socket for electric. S. M. Knapp. No. 60,350; Feb. 7.
 Lighting bowl, Glass. E. A. Gillinder. Nos. 60,332-5; Feb. 7.
 Lighting fixture. W. T. Blackwell. No. 60,308; Feb. 7.
 Lighting fixture. W. T. Blackwell. Nos. 60,310-11; Feb. 7.
 Lighting fixture. A. Stark. Nos. 60,381-2; Feb. 7.
 Lighting fixture. F. Yokel. No. 60,392; Feb. 7.
 Lighting-fixture arm. A. Ullman. No. 60,385; Feb. 7.
 Lock casing. S. Segal. No. 60,379; Feb. 7.
 Oil can. R. Haskell. No. 60,342; Feb. 7.
 Oven. B. E. Meacham. No. 60,359; Feb. 7.
 Picture frame. E. Maiglow. No. 60,355; Feb. 7.
 Pitcher. A. J. Sanford. No. 60,378; Feb. 7.
 Powder, Carton for face. M. Robins. No. 60,372; Feb. 7.
 Protective cap. G. M. Marr. No. 60,356; Feb. 7.
 Radiator cap. H. A. Blackwell and F. P. Myers. No. 60,309; Feb. 7.
 Radiator cap. L. Roth. No. 60,375; Feb. 7.
 Radiator cap. I. L. Wolkow. No. 60,391; Feb. 7.
 Radiopanel, Instrument mount for. A. P. Morgan. No. 60,362; Feb. 7.
 Razor and blade holder, Combined. J. E. Drew. No. 60,325; Feb. 7.
 Robe, Lady's traveling. D. C. Harris. No. 60,341; Feb. 7.
 Rubber heel. R. Caterini. No. 60,315; Feb. 7.
 Rubber heel. O. Eick. No. 60,326; Feb. 7.
 Sink structure. F. D. Clinton. No. 60,318; Feb. 7.
 Spinning card. G. McManus. No. 60,358; Feb. 7.
 Spoons, forks, or similar articles, Handle for. A. G. Kintz. No. 60,348; Feb. 7.
 Switch plate, Flush. R. C. Steeple. No. 60,383; Feb. 7.
 Tire. P. H. Heater. No. 60,343; Feb. 7.
 Tire tread. F. V. Winters. No. 60,389; Feb. 7.
 Toilet powder, etc., Receptacle for. L. A. Wagenaar. Nos. 60,386-7; Feb. 7.
 Torch, Welding. A. F. Jenkins. No. 60,346; Feb. 7.
 Tray for holding dental instruments and supplies. G. L. Grier. No. 60,340; Feb. 7.
 Tray, Smoker's. J. L. Klase, A. P. McGrann, and J. J. Bach. No. 60,349; Feb. 7.
 Vehicle body for auto stores. E. J. Greene. No. 60,339; Feb. 7.
 Vehicle cab. E. C. Morine. No. 60,363; Feb. 7.
 Watch dial. F. A. Goodrow. No. 60,336; Feb. 7.

ALPHABETICAL LIST OF TRADE-MARKS REGISTERED.

- Alarms, Electric thief and burglar. G. W. Wacker. No. 151,628; Feb. 7.
- Alcohol, Denatured. Western Industries Co. No. 151,637; Feb. 7.
- Alloys, Nonferrous and ferrous. F. W. Steinacker. No. 151,602; Feb. 7.
- Antiseptic and eczema preparation. J. Miller. No. 151,549; Feb. 7.
- Antiseptic powder for the treatment of affections of the nose and throat. Rhinol Co. No. 151,579; Feb. 7.
- Antiseptic solutions. Western Chemical Company. No. 151,635; Feb. 7.
- Arsenic complexion wafers. R. Fink. No. 151,478; Feb. 7.
- Automobile accessories. Cloud Accessories Corporation. No. 151,452; Feb. 7.
- Bakery machinery, Certain. Jaburg-Miller Co. No. 151,515; Feb. 7.
- Battery containers. Ahlbell Battery Container Corporation. No. 151,415; Feb. 7.
- Boiler compounds. J. H. Parsons Chemical Company. No. 151,571; Feb. 7.
- Burglar-alarm systems and parts thereof, Electrical. S. Seligman. No. 151,598; Feb. 7.
- Bushings and bearings. American Bronze Corporation. No. 151,418; Feb. 7.
- Candies. Wallace & Co. No. 151,629; Feb. 7.
- Candies, bonbons, chocolates, and marshmallows. C. Baruxes. No. 151,426; Feb. 7.
- Candy. B. Leon. No. 151,529; Feb. 7.
- Canned fruits and vegetables. California Growers Association. No. 151,442; Feb. 7.
- Can openers. United Royalties Corp. No. 151,615; Feb. 7.
- Carbon remover, Chemical. H. E. Vassar. No. 151,617; Feb. 7.
- Carbon-removing compound. Kodyte Laboratories. No. 151,523; Feb. 7.
- Champagne wines. Werle et Compagnie. No. 151,633; Feb. 7.
- Chemical, medicinal, and pharmaceutical preparation. K. Kovacs. No. 151,525; Feb. 7.
- Chemical, pharmaceutical, and toilet preparations, Certain. E. Schueller. No. 151,594; Feb. 7.
- Churns, cream separators, etc. Bessire & Company. No. 151,429; Feb. 7.
- Clocks. Irokese Trading Corporation. No. 151,513; Feb. 7.
- Clocks and watches of all kinds and parts thereof, Electric. Scintilla. No. 151,596; Feb. 7.
- Coffee makers and percolators. Citizens' Wholesale Supply Company. No. 151,449; Feb. 7.
- Coffee, Roasted. Sioux Falls Coffee & Spice Co. No. 151,601; Feb. 7.
- Compound for treating corns, warts, etc. J. C. Milligan. No. 151,550; Feb. 7.
- Cream, Beauty. M. Levinstein. No. 151,530; Feb. 7.
- Cream for softening and beautifying the skin, Massage. M. & S. Co. No. 151,551; Feb. 7.
- Cream, Face. G. S. Johnson. No. 151,518; Feb. 7.
- Cutlery, machines, and tools, Certain. John Dunn, Son & Co. No. 151,465; Feb. 7.
- Culinary and kitchen utensils, Wire. Wickwire Spencer Steel Corporation. No. 151,638; Feb. 7.
- Cutting tools for metal-working machines. Baker-Waechter Company. No. 151,425; Feb. 7.
- Deodorant and disinfectant. I. Ressler. No. 151,578; Feb. 7.
- Dyes, Cloth. Fairy Dye Co. No. 151,470; Feb. 7.
- Dyes, dyestuffs, and colors. National Aniline & Chemical Company. Nos. 151,553-8; Feb. 7.
- Dyestuffs. Geigy Company Inc. No. 151,486; Feb. 7.
- Electrical controlling devices. Allen-Bradley Company. No. 151,417; Feb. 7.
- Electrical devices, Certain. Electric Manufacturing Company. No. 151,467; Feb. 7.
- Electrically-driven tools, electric motors and generators, etc., Portable. Louisville Electric Manufacturing Company. No. 151,533; Feb. 7.
- Electric generating plants. Home Electric Lighting Company. No. 151,508; Feb. 7.
- Electric highway-crossing signals. Bryant Zinc Company. No. 151,438; Feb. 7.
- Electric-light fixtures. General Electric Company. No. 151,488; Feb. 7.
- Electric lighting fixtures, sadirons, and batteries. R. J. Byington. No. 151,441; Feb. 7.
- Electric-lighting fixtures, Certain portable. H. G. McFaddin. No. 151,538; Feb. 7.
- Electric-lighting plants, Unitary. S. W. Merritt & Co. No. 151,545; Feb. 7.
- Electric motors. Birtman Electric Company. No. 151,431; Feb. 7.
- Electric wires, Asbestos-insulated. General Electric Company. No. 151,487; Feb. 7.
- Electrodes for electric furnaces and electrolyte operations. National Carbon Company. No. 151,559; Feb. 7.
- Fans and heaters, Electric. Graff, Washbourne & Dunn. No. 151,493; Feb. 7.
- Fasteners, Metallic. Upson Company. No. 151,616; Feb. 7.
- Fire detectors, Electric automatic. D. G. Dee. No. 151,460; Feb. 7.
- Flash lights and electric batteries. Winchester Repeating Arms Co. No. 151,645; Feb. 7.
- Fluid-compressor outfits, wrenches, pliers, etc. Au-To Compressor Co. No. 151,424; Feb. 7.
- Forgings, castings, stampings, steels, Drop-. J. H. Williams & Co. No. 151,644; Feb. 7.
- Furnaces, Electricmetallurgical. Pittsburgh Electric Furnace Corporation. No. 151,574; Feb. 7.
- Gas engines, and certain other machinery. Oil City Engine and Power Company. No. 151,568; Feb. 7.
- Hair dye. Solon Palmer. No. 151,591; Feb. 7.
- Hair dye remover. Western Hair Goods Co. No. 151,636; Feb. 7.
- Hair grower. F. B. Stoner. No. 151,603; Feb. 7.
- Hair restorative. Armstrong Chemical Company. No. 151,422; Feb. 7.
- Hair restorer. W. E. Riley & Company. No. 151,581; Feb. 7.
- Hair remover, Superfluous-. M. Wunder. No. 151,649; Feb. 7.
- Hair toner. P. H. Jackson. No. 151,516; Feb. 7.
- Hair tonic. J. H. Bishop. No. 151,432; Feb. 7.
- Hair tonic. M. Rowe. No. 151,586; Feb. 7.
- Hair tonic. F. B. Weidler. No. 151,632; Feb. 7.
- Hair tonic. L. L. Williams. No. 151,643; Feb. 7.
- Hair tonic dandruff remedy. G. F. Melchior. No. 151,543; Feb. 7.
- Hair tonics. I. B. Franchina. No. 151,480; Feb. 7.
- Hammers and drills and repair parts thereof, Chicago Pneumatic Tool Company. No. 151,448; Feb. 7.
- Heating units, Electric. P. E. Apfel. No. 151,420; Feb. 7.
- Hog cholera, Preparation to be used in treatment of. Nuforal Laboratories Inc. No. 151,567; Feb. 7.
- Hydrocarbon engines, Timers for electrical ignition system for. Gladiator Manufacturing Company. No. 151,492; Feb. 27.
- Ink varnish, Printers'-. E. B. Beccard. No. 151,427; Feb. 7.
- Insecticides. Edward C. Hofstra Company. No. 151,506; Feb. 7.
- Insulators and insulating appliances and fittings, Certain molded electrical. Thomas De La Rue and Company. No. 151,461; Feb. 7.
- Intestinal disinfectant. H. T. A. Becker. No. 151,428; Feb. 7.
- Lamps and starting and ignition devices for gas engines, etc., Electric. Cuno Engineering Corporation. No. 151,457; Feb. 7.
- Lamps and their parts, Electric incandescent. Osram G. m. b. H. Kommanditgesellschaft. No. 151,524; Feb. 7.
- Lamps for automobiles, Electric parking. Metal Spinning & Plating Co. No. 151,546; Feb. 7.
- Lamps, Portable electric. Vimco Mfg. Company. No. 151,623; Feb. 7.
- Lamp sockets, switches, and parts thereof, Electric. Bryant Electric Company. No. 151,437; Feb. 7.
- Laundry washing machines. Voss Brothers Manufacturing Co. Nos. 151,625-7; Feb. 7.
- Lenses, Optical. F. Hoffa. No. 151,505; Feb. 7.
- Liniments or embrocations. H. D. Oldham. No. 151,569; Feb. 7.
- Liniment. Trust Estate of Adolph C. Meyer, deceased. No. 151,614; Feb. 7.
- Lotion and beautifier, Face. M. J. Lindsey. No. 151,531; Feb. 7.
- Lotion, Skin. D. L. Rittenhouse. No. 151,582; Feb. 7.
- Machinery and tools, Certain. O. A. Bremer Co. No. 151,435; Feb. 7.
- Machinery and tools, Certain. Railway Specialty Company. No. 151,576; Feb. 27.
- Medical compound for the treatment of consumption. D. De Leary. No. 151,462; Feb. 7.
- Medical compound for the treatment of venereal diseases. York Laboratories Company. No. 151,651; Feb. 7.
- Medical tablets, Hemoglobin. E. F. Mattutat. No. 151,541; Feb. 7.
- Medicinal and pharmaceutical preparations, Certain. Household Remedies Company. No. 151,509; Feb. 7.
- Medicinal and pharmaceutical preparations, Certain. Trust Estate of Adolph C. Meyer, deceased. Nos. 151,609-13; Feb. 7.
- Medicinal dye. Merck & Co. No. 151,544; Feb. 7.
- Medicinal powder, Poultry. G. Lanka. No. 151,528; Feb. 7.
- Medicinal preparation. V. Halper. No. 151,500; Feb. 7.
- Medicinal preparation for colds, la grippe, headaches, etc. L. Greengard. No. 151,494; Feb. 7.
- Medicinal preparation for hay fever. J. A. Arnold. No. 151,423; Feb. 7.

- Medicinal preparation for poultry. Vaycide Chemical Corporation. Nos. 151,619-21; Feb. 7.
- Medicinal preparation for poultry to stimulate egg laying. Vaycide Chemical Corporation. No. 151,618; Feb. 7.
- Medicinal preparation for stomach, liver, and kidney troubles. I. Randazzo. No. 151,577; Feb. 7.
- Medicinal preparation for treatment of certain diseases. A. Erlenger. No. 151,468; Feb. 7.
- Medicinal preparation for treatment of gallstones. Schering & Glatz. No. 151,593; Feb. 7.
- Medicinal preparations, Certain. W. Roberts. No. 151,583; Feb. 7.
- Medicine. Indigestion and stomach. J. J. Wiley. No. 151,641; Feb. 7.
- Medicine for asthma. M. Rutkay. No. 151,588; Feb. 7.
- Medicine for the treatment of asthma, hay fever, etc. H. H. Wilder. No. 151,640; Feb. 7.
- Medicine for use as a blood purifier. S. M. Booth. No. 151,434; Feb. 7.
- Medicine for rheumatism. L. Thornton. No. 151,607; Feb. 7.
- Medicine for use in the treatment of headaches, etc. J. L. Mackey. No. 151,539; Feb. 7.
- Medicines and pharmaceutical preparations. Boericke & Runyon Co. No. 151,433; Feb. 7.
- Medicine used for certain ailments. J. P. McCallum. No. 151,536; Feb. 7.
- Metal cutting and forming tools, Certain. Darwin & Milner. No. 151,459; Feb. 7.
- Metal products consisting of ferrous and nonferrous castings. H. Kramer & Co. No. 151,527; Feb. 7.
- Metal ware, Certain precious. Suckling Limited. No. 151,604; Feb. 7.
- Mouth wash. Penetro Chemical Company. No. 151,573; Feb. 7.
- Nautical speedometers, logs, and distance recorders. Hamilton & Hansell. No. 151,501; Feb. 7.
- Nut butter, apple butter, catsup, honey, Compound. C. A. Jean. No. 151,517; Feb. 7.
- Oily emulsion of argenti nitras. Dr. F. Garai. No. 151,484; Feb. 7.
- Oil, Olive. Pantis & Cutsorgeorge. No. 151,471; Feb. 7.
- Oil-well pulling machinery. Iron King Manufacturing Company. No. 151,514; Feb. 7.
- Ointment for sunburn, tan, etc. S. Magland. No. 151,540; Feb. 7.
- Ointment for treatment of certain ailments. E. P. Plançon. No. 151,575; Feb. 7.
- Outlet boxes and fittings. General Electric Company. No. 151,489; Feb. 7.
- Oxid of antimony and pigments made therefrom. Cookson & Company. No. 151,454; Feb. 7.
- Paper, Carbon. J. D. McCarthy Co. No. 151,537; Feb. 7.
- Paper, Carbon. E. Hassinger. No. 151,503; Feb. 7.
- Perfumes, sachets, talcum powder, face powder, cold cream, etc. Cheramy, Inc. Nos. 151,444-7; Feb. 7.
- Pharmaceutical and toilet preparations, Certain. Sanitas Company. No. 151,590; Feb. 7.
- Photographic developing paper. Haloid Company. No. 151,499; Feb. 7.
- Picture films, Motion-. Texas Film Company. No. 151,606; Feb. 7.
- Pictures, Motion-. Super Art Productions. No. 151,605; Feb. 7.
- Pills, Laxative. A. N. Gaebler. No. 151,483; Feb. 7.
- Pipe and pipe couplings. Youngstown Sheet & Tube Company. No. 151,652; Feb. 7.
- Poison, Insect-. Exchange Orange Products Company. No. 151,469; Feb. 7.
- Potash salt of the cyan-mercury-salicylic acid. J. D. Riedel Aktiengesellschaft. No. 151,416; Feb. 7.
- Powder, Baking. Wilkes & Seaman Co. No. 151,642; Feb. 7.
- Powder, Face. M. Robins. No. 151,584; Feb. 7.
- Powder, rouge, toilet waters, skin creams and lotions, Face. Mrs. F. Thurman. No. 151,608; Feb. 7.
- Powder used as an insect destroyer. Julius Kalish, Inc. No. 151,520; Feb. 7.
- Powders, cold, massage, and vanishing creams, perfumes, Face. Far East Products Co. No. 151,472; Feb. 7.
- Powders, Face. F. J. de S. Coty. No. 151,463; Feb. 7.
- Powders, Face, talcum, and toilet. V. Vivaudou, Inc. No. 151,624; Feb. 7.
- Poultry, Live and dressed. W. Lukert. No. 151,534; Feb. 7.
- Precious-metal ware, Certain. Franklin Silver Plate Company. No. 151,482; Feb. 7.
- Preparation for alleviation of rheumatism, Liquid. T. Long. No. 151,532; Feb. 7.
- Preparation for certain named uses. G. J. Novak. No. 151,566; Feb. 7.
- Preparation for onorrhea. Tomada Goshi Kaisha. No. 151,519; Feb. 7.
- Preparation for the removal of superfluous hair. N. Parker. No. 151,570; Feb. 7.
- Preparation for treatment of pyorrhea. E. F. Greer. No. 151,495; Feb. 7.
- Preparation for use internally in the treatment of certain named ailments. J. R. Kirkpatrick, Jr. No. 151,522; Feb. 7.
- Preparation used internally for coughs, colds, and headaches. L. Gawurin. No. 151,485; Feb. 7.
- Preparation used in the treatment of rheumatism. J. W. Sewell. No. 151,599; Feb. 7.
- Preparations, Certain. Du Pont-Young Corporation. No. 151,466; Feb. 7.
- Pumps, stands, systems, and outfits for handling or using certain fluids, Certain. Wayne Oil Tank & Pump Company. No. 151,631; Feb. 7.
- Radiator compound. Navajo Laboratories, Inc. No. 151,560; Feb. 7.
- Razors, scissors, knives, files, &c. W. & S. Butcher Limited. No. 151,439; Feb. 7.
- Remedy, Dandruff. H. T. Dandruff Remedy Company. No. 151,458; Feb. 7.
- Remedy for biliousness, colds, &c. W. L. Hand & Company. No. 151,502; Feb. 7.
- Rubber mallets. Federal Rubber Company. Nos. 151,474-6; Feb. 7.
- Salt. International Salt Co. of New York. No. 151,512; Feb. 7.
- Salt-i. e., sodium chloride. Worcester Salt Co. Nos. 151,647-8; Feb. 7.
- Salve, Antiseptic healing. M. Walinder. No. 151,630; Feb. 7.
- Salve or ointment. Gibson-Snow Co. No. 151,490; Feb. 7.
- Salves for skin eruptions and sores. W. J. Ferrara. No. 151,477; Feb. 7.
- Sanitation-process and organic-waste-reduction systems and parts thereof. Cobwell Corporation. No. 151,453; Feb. 7.
- Sewage-treatment systems and parts thereof. Sanitation Corporation. No. 151,592; Feb. 7.
- Shoe patterns. Wiechman Pattern Company. No. 151,639; Feb. 7.
- Soap, Shredded. Cudahy Packing Company. No. 151,455; Feb. 7.
- Spark plugs. G. T. Dochtermann. No. 151,464; Feb. 7.
- Spark plugs. Sharp Spark Plug Company. No. 151,600; Feb. 7.
- Spark plugs. Wisconsin Iron Store, Inc. No. 151,646; Feb. 7.
- Spark plugs for internal-combustion engines. Cloud Accessories Corporation. Nos. 151,450-1; Feb. 7.
- Spectacle and eyeglass frames and mountings and screws for said mountings. No. 151,562; Feb. 7.
- Spraying systems for purifying the air of buildings. A. B. Neeb. No. 151,561; Feb. 7.
- Stamp pads. Mun-Kee Products Corporation. No. 151,552; Feb. 7.
- Stamp pads. Peerless Carbon & Ribbon Mfg. Co. No. 151,572; Feb. 7.
- Steel rails. Bethlehem Steel Company. No. 151,430; Feb. 7.
- Stock gestation compound. H. H. Cullinan. No. 151,456; Feb. 7.
- Storage batteries. Western Battery & Supply Company. No. 151,634; Feb. 7.
- Storage-battery boxes and parts thereof, Electric-. Rub-Tex Products, Inc. No. 151,587; Feb. 7.
- Tablets, Laxative. A. Arend Drug Co. No. 151,421; Feb. 7.
- Tablets, Laxative aspirin. Butler & Cosgrave. No. 151,440; Feb. 7.
- Tableware, Certain. Rochester Stamping Company. No. 151,585; Feb. 7.
- Tanning extracts. New York Quebracho Extract Company. Nos. 151,563-5; Feb. 7.
- Timepieces. Luminate Company. No. 151,535; Feb. 7.
- Tires, Coating for automobile. L. Ingraham. No. 151,511; Feb. 7.
- Toilet preparation. E. S. Givens. No. 151,491; Feb. 7.
- Toilet preparations. Franco-American College Inc. No. 151,481; Feb. 7.
- Toilet preparations, Certain. R. P. King. No. 151,521; Feb. 7.
- Tools and machinery and repair parts thereof, Certain. Ingersoll-Rand Company. No. 151,510; Feb. 7.
- Tooth paste. A. B. Brill. No. 151,436; Feb. 7.
- Tooth wash. F. W. Ames. No. 151,419; Feb. 7.
- Tonic, General. W. F. Rhyne. No. 151,580; Feb. 7.
- Tonic, General. Chas. Segalas Company. No. 151,597; Feb. 7.
- Trees, Material for filling cavities in. A. F. W. Vick. No. 151,622; Feb. 7.
- Typewriter ribbons and carbon paper. Chas. A. Foyer & Company. No. 151,479; Feb. 7.
- Washing machines, Laundry. Hogan-Spencer-Whitley Company. No. 151,507; Feb. 7.
- Watches. Adolphe Schwob, Inc. No. 151,595; Feb. 7.
- Watches and clocks. Cartier. No. 151,443; Feb. 7.
- Watches and clocks. L. F. Sackerman. No. 151,589; Feb. 7.
- Watches, clocks, and parts thereof. Meyer & Stüdeli, Societe Anonyme. No. 151,547; Feb. 7.
- Watches, watch movements, watchcases. M. A. Mead & Company. No. 151,542; Feb. 7.
- Watches, watchcases, and watch movements. B. Gutter & Sons. Nos. 151,496-8; Feb. 7.
- Water, ginger ale, root beer, sarsaparilla, Drinking. Hinckley & Schmitt. No. 151,504; Feb. 7.
- Welders and parts thereof, Electric. Federal Machine and Welder Co. No. 151,473; Feb. 7.
- Wine, Ferrated bitter. B. R. Kozlowski. No. 151,526; Feb. 7.
- Veterinary preparations, Certain. W. H. Michand. No. 151,548; Feb. 7.
- Yeast. Yeastole Company. No. 151,650; Feb. 7.

ALPHABETICAL LIST OF LABELS.

- "American Cambric." (For Cotton Piece Goods.) American Printing Company. No. 23,991; Feb. 7.
- "American Scout Percalé." (For Cotton Piece Goods.) American Printing Company. No. 23,993; Feb. 7.
- "Arizona Plain Pongee." (For Cotton Piece Goods.) American Printing Company. No. 23,992; Feb. 7.
- "Avondale." (For Canned Peas.) The Kroger Grocery and Baking Co. No. 24,009; Feb. 7.
- "Br'er Rabbit." (For Bread.) Saniwax Paper Co. No. 24,019; Feb. 7.
- "Buckeye." (For Receptacles Containing Bearings and Bushings.) The Buckeye Brass and Manufacturing Company. No. 23,998; Feb. 7.
- "Bungalow Cretonne." (For Cotton Piece Goods.) American Printing Company. No. 23,989; Feb. 7.
- "Candies." (For Boxes Containing Candy.) Milwaukee Paper Box Company. No. 24,016; Feb. 7.
- "Challie de Mousseline." (For Cotton Piece Goods.) American Printing Company. No. 23,983; Feb. 7.
- "Chocolates." (For Boxes Containing Chocolate Candy.) Milwaukee Paper Box Company. No. 24,015; Feb. 7.
- "Decatur Pongee." (For Cotton Piece Goods.) American Printing Company. No. 23,987; Feb. 7.
- "Delmar Percalé." (For Cotton Piece Goods.) American Printing Company. No. 23,982; Feb. 7.
- "Deviled Chili Meat." (For Deviled Chili Meat.) Gebhardt Chili Powder Co. No. 24,005; Feb. 7.
- "Elmer's Pick O' Sweets." (For Candy.) Elmer Candy Co. Inc. No. 24,003; Feb. 7.
- "Excelsior Song Improver." (For a Bird Remedy.) Kaempfer's, Inc. No. 24,008; Feb. 7.
- "Fairest." (For Hair Nets.) Sitroux Importing Company, Inc. No. 24,020; Feb. 7.
- "Farm House." (For Bread.) Waxtwell Paper Company. No. 24,027; Feb. 7.
- "French Brand." (For Coffee.) The Kroger Grocery & Baking Co. No. 24,010; Feb. 7.
- "Gingham Effects." (For Cotton Piece Goods.) American Printing Company. No. 23,986; Feb. 7.
- "Golden Glow." (For Bread.) Waxtwell Paper Company. No. 24,029; Feb. 7.
- "Grandma's Cake." (For Cake.) Lantz Bros. Baking Co. No. 24,011; Feb. 7.
- "Grand Duke." (For Cigars.) T. F. McKeigue. No. 24,013; Feb. 7.
- "Hanlon Percalé." (For Cotton Piece Goods.) American Printing Company. No. 23,984; Feb. 7.
- "Home Made." (For Bread.) Waxtwell Paper Company. No. 24,023; Feb. 7.
- "Home Made." (For Bread.) Waxtwell Paper Company. No. 24,025; Feb. 7.
- "Jax-Avana." (For Cigars.) The H. Gordon Co. No. 24,007; Feb. 7.
- "Leonard Percalé." (For Cotton Piece Goods.) American Printing Company. No. 23,981; Feb. 7.
- "Lighting Drainage." (For a Preparation for Cleaning Drain Pipes.) C. Swanson & Sons. No. 24,022; Feb. 7.
- "Little Jack Horner." (For Candies, Namely, Kiddie Junior Candies.) Candy Craft, Inc. No. 23,999; Feb. 7.
- "Majestic Cambric." (For Cotton Piece Goods.) American Printing Company. No. 23,990; Feb. 7.
- "Mary's Little Lamb." (For Candies—Namely, Kiddie Junior Candies.) Candy Craft, Inc. No. 24,002; Feb. 7.
- "Mickelberry's Old Farm Brand." (For Sausage.) Mickelberry's Food Products Co. No. 24,014; Feb. 7.
- "Milk Maid." (For Bread.) Waxtwell Paper Company. No. 24,026; Feb. 7.
- "Native." (For Canned Pineapple.) Henry P. Baldwin. Limited. No. 23,995; Feb. 7.
- "Nyle Printed Pongee." (For Cotton Piece Goods.) American Printing Company. No. 23,988; Feb. 7.
- "Old Mother Hubbard." (For Candies—Namely, Kiddie Junior Candies.) Candy Craft, Inc. No. 24,001; Feb. 7.
- "Ora-Solis." (For a Dental Wash and Astringent Valuable Aid in the Prevention of Pyorrhea Alveolaris, Receding and Bleeding Gums.) John A. Anderson. No. 23,994; Feb. 7.
- "Original Bond Extract." (For Bottles Containing Non-alcoholic Beverages.) J. W. Bond. No. 23,997; Feb. 7.
- "Original Puss in Boot." (For Felt Boots or Slippers.) Federal Slipper Co. Inc. No. 24,004; Feb. 7.
- "Peerless." (For Bread.) Waxtwell Paper Company. No. 24,024; Feb. 7.
- "Perfection." (For Bread.) Waxtwell Paper Company. No. 24,028; Feb. 7.
- "Plaza Pongee." (For Cotton Piece Goods.) American Printing Company. No. 23,980; Feb. 7.
- "Prepared Mustard." (For Prepared Mustard.) Lantz Bros. Baking Co. No. 24,012; Feb. 7.
- "Queen Bess." (For Sirupy Extract.) C. L. Beardsley. No. 23,996; Feb. 7.
- "Red Riding Hood." (For Candies—Namely, Kiddie Junior Candies.) Candy Craft, Inc. No. 24,000; Feb. 7.
- "Rumson Cambric." (For Cotton Piece Goods.) American Printing Company. No. 23,985; Feb. 7.
- "Silk Tissue." (For Toilet Paper.) J. C. E. Glass. No. 24,006; Feb. 7.
- "Summit Varnish Company." (For Wood Finishes.) Summit Varnish Company. No. 24,021; Feb. 7.
- "Sweeping Compound." (For Sweeping Compound.) Mutual Oil Company. No. 24,018; Feb. 7.
- "Vapoile." (For Cans Containing Vapoile.) Motor Products Company. No. 24,017; Feb. 7.

ALPHABETICAL LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Acetylene and gas. Burners for. Dimitry Delaunay & Husi. No. 142,204; Feb. 7.
- Aerial tramway towers and wire, and wire mesh for concrete reinforcement. American Steel & Wire Company of New Jersey. No. 156,138; Feb. 7.
- Amessthetic, Local. Asensin Company of America. Nos. 154,952-3; Feb. 7.
- Antiseptics. Buffalo Specialty Co. No. 154,056; Feb. 7.
- Apples. W. B. Glafke Co. No. 153,658; Feb. 7.
- Automobile cushions and radiator covers. Federal Automobile Painting and Trimming Company. No. 154,104; Feb. 7.
- Automobiles, Electric signal lamps for. F. Hitchcock. No. 155,261; Feb. 7.
- Axles. Pierce-Arrow Motor Car Company. No. 138,061; Feb. 7.
- Baby exercisers. F. M. Haskins. No. 156,159; Feb. 7.
- Baking powder. McCarthy Brothers. No. 154,882; Feb. 7.
- Bed clothing. Miller Bros. & Company. No. 153,738; Feb. 7.
- Belt dressing and wax impregnating compound for fabrics and belts. Cantol Wax Company. No. 142,876; Feb. 7.
- Belts, Leather, fabric or rubber. Marathon Tire & Rubber Company. No. 146,720; Feb. 7.
- Beverage and flavoring for, Nonalcoholic, maltless. Eng-Skell Company. No. 142,836; Feb. 7.
- Beverage and sirup for manufacturing same. Chemical Works Brugg, Limited. No. 150,732; Feb. 7.
- Beverage, Cereal malt. J. A. Hieronimus & Sons. No. 137,120; Feb. 7.
- Beverage, Nonalcoholic. F. L. Hendrickson. No. 137,285; Feb. 7.
- Beverages and sirup for making same, Nonalcoholic, non-cereal, maltless. Coca-Cola Bottling Distributing Co. No. 151,865; Feb. 7.
- Beverages, sirups, and extracts, Nonalcoholic, maltless. Southern Beverage Company. No. 152,658; Feb. 7.
- Beverages, soda, water, extracts, etc. Klee & Coleman, Inc. No. 155,100; Feb. 7.
- Beverages sold as soft drinks. Real Fruit Beverage Co. No. 138,158; Feb. 7.
- Bleach, Face. Plough Chemical Company. No. 154,616; Feb. 7.
- Blue, Ultramarine. Standard Ultramarine Co. No. 153,478; Feb. 7.
- Boilers and radiators, Composition for removing scale from. C. J. Allen. No. 153,635; Feb. 7.
- Bookholders. Whitney Mockbridge. No. 150,817; Feb. 7.
- Books, Completely-printed. Brockmann & Company. No. 153,030; Feb. 7.
- Bowling alleys and device to be attached to return troughs for trapping and cleaning the balls, Self-cleaning pit mats for. W. Choinisk. No. 153,587; Feb. 7.
- Brassières, bandeaux, ready-made dress linings, waterproof aprons, baby pants, children's underwear, etc. C. Benedict Mfg. Co. No. 147,547; Feb. 7.

- Bread, Wheat. Capshaf Bread Co. No. 136,739; Feb. 7.
 Brooms. W. L. Martin Broom & Mop Co. Nos. 156,705-7; Feb. 7.
 Brushes, Painters'. Wadsworth, Howland & Co. No. 153,421; Feb. 7.
 Buckles, Belt. S. Buchsbaum. No. 137,873; Feb. 7.
 Butter, cheese, ice cream, and eggs. Borden's Farm Products Company. No. 151,249; Feb. 7.
 Butyric ether, butyric acid, amyl butyrate, etc. North-western Chemical Company. No. 151,464; Feb. 7.
 Cabinets, Filing. Reneo Limited. No. 156,658; Feb. 7.
 Cakes, Fruit. L. Simon. No. 151,240; Feb. 7.
 Calendars. American Calendar Company. No. 141,893; Feb. 7.
 Candies. Langley & Michaels Co. No. 138,013; Feb. 7.
 Candies. Nunnally Company. No. 153,468; Feb. 7.
 Candies. Virginia Dare Company. No. 153,574; Feb. 7.
 Candies, fancy ices, and cakes. J. M. Murray. No. 156,164; Feb. 7.
 Candy. Utopian Sweets Company. No. 154,162; Feb. 7.
 Candy. Voegelé & Dinning Co. No. 154,003; Feb. 7.
 Candy. Wirth Chocolate Company. No. 153,490; Feb. 7.
 Candy, chocolate-covered nuts, nougat, caramels, etc. Ambassador Chocolate Company. No. 153,576; Feb. 7.
 Canned fish. A/S Trondhjem Canning and Export Co. No. 140,219; Feb. 7.
 Carbon-steel high-speed or alloyed tool steel. Dyktor Brothers, Inc. No. 154,920; Feb. 7.
 Cards, sheets, circulars, and pamphlets, Printed, embossed, and engraved. Wally, Inc. No. 153,164; Feb. 7.
 Cases, boxes, containers for eyeglasses, spectacles, opera glasses, etc. Aitchison & Company. No. 157,089; Feb. 7.
 Cement, Portland-. Old Mission Portland Cement Company. No. 150,284; Feb. 7.
 Chemical composition. M. R. Rendell. No. 144,786; Feb. 7.
 Chemical preparation as an insect exterminator. J. Liberto. No. 149,196; Feb. 7.
 Chemicals, medicines and pharmaceutical preparations. Caravel Company. No. 133,031; Feb. 7.
 Chlorine solution, fly spray, sour-milk-testing solution, bacteriologists' cultures, etc. Dairy Laboratories. No. 153,282; Feb. 7.
 Chocolate, Prepared. M. Z. Torreño. No. 143,519; Feb. 7.
 Chocolates and candies. Littlefield & Steere Co. No. 149,761; Feb. 7.
 Cigarettes. M. Mavromatas. No. 142,936; Feb. 7.
 Cigars. Rosenthal Bros. & Bendetson. No. 129,351; Feb. 7.
 Cigars, cigarettes, chewing tobacco, etc. Demmi Cigar Co. No. 135,804; Feb. 7.
 Cleaners for metal prior to plating, japanning, galvanizing, and rough cleaning between machine operations. S. D. Benoliel. No. 151,861; Feb. 7.
 Cleaning and polishing powder. A. C. Horn Co. No. 121,303; Feb. 7.
 Coats, vests, pants, overcoats, raincoats, etc. Cohen, Goldman & Co. No. 147,230; Feb. 7.
 Coffee. Brewster, Gordon & Co. No. 153,067; Feb. 7.
 Coffee. C. I. Cook. No. 153,588; Feb. 7.
 Coffee, tea, and cocoa. A. L. Parks Tea Company. No. 153,688; Feb. 7.
 Coffee. Scherer & Fix. No. 122,065; Feb. 7.
 Coffee flavor in solid, powdered, and liquid form. H. L. Friend. Nos. 144,225-6; Feb. 7.
 Collars, cuffs, gumpers, vestees, ruffs, etc. G. Sidenberg & Co. No. 149,866; Feb. 7.
 Conditioner for horses, cattle, etc., General. W. Gamlin. No. 137,877; Feb. 7.
 Cord and twine. Samson Cordage Works. No. 156,180; Feb. 7.
 Corn-meal. City Mills Company. No. 138,707; Feb. 7.
 Crackers, Matzos. A. Kaufman. No. 137,130; Feb. 7.
 Cream, Toilet. I. Magnin & Co. No. 154,153; Feb. 7.
 Creams and lotions, Face and hand. R. A. Hudson Company. No. 153,725; Feb. 7.
 Dental supplies and appliances. L. D. Caulk Company. No. 151,509; Feb. 7.
 Doll furniture and houses, dolls, toys, etc. Oxford-Print. No. 117,985; Feb. 7.
 Dresses. Shapero, Lewis & Co. No. 149,655; Feb. 7.
 Drilling, reaming, and tapping machines. National Automatic Tool Company. No. 153,314; Feb. 7.
 Drinks and sirups therefor, Soft carbonated. Beacon Chocolate Company. Nos. 119,392-3; Feb. 7.
 Dyes and dyestuffs. Grasselli Chemical Company. No. 154,500; Feb. 7.
 Dyes and dyestuffs. Grasselli Chemical Company. No. 154,503; Feb. 7.
 Dyes and dyestuffs. Grasselli Chemical Company. No. 154,507; Feb. 7.
 Dyes and dyestuffs, raw and intermediate dry products, etc. Grasselli Chemical Company. No. 154,021; Feb. 7.
 Dynamite. E. I. du Pont de Nemours & Company. No. 155,257; Feb. 7.
 Egg production of laying hens, Stimulant to increase the. In-creso Company. No. 154,517; Feb. 7.
 Electrical ignition coils and condensers. Security Manufacturing Company. No. 155,645; Feb. 7.
 Electrical wires, covered or uncovered. American Steel & Wire Company of New Jersey. No. 156,139; Feb. 7.
 Epilepsy, Preparation specific for. J. E. Stanton. No. 143,721; Feb. 7.
 Ethyl esters of chaulmoogra oil. Winthrop Chemical Company. No. 154,629; Feb. 7.
 Extract, Flavoring. Mystol Manufacturing Co. No. 153,740; Feb. 7.
 Feed, Stock and poultry. Aviston Flour Company. No. 151,571; Feb. 7.
 Feeds, Poultry. St. Albans Grain Company. No. 133,898; Feb. 7.
 Feeds, Stock and poultry. J. J. Schreiber. No. 150,672; Feb. 7.
 Fertilizers. G. G. Dronin. No. 143,701; Feb. 7.
 Fertilizers, Those containing phosphate. Anaconda Copper Mining Company. No. 145,199; Feb. 7.
 Fiber ropes and twines. Hooven & Allison Company. Nos. 155,686-8; Feb. 7.
 Flannels, tickings, covert cloths, etc. Canton. Erwin Cotton Mills Co. No. 154,640; Feb. 7.
 Flash light and batteries. R. V. G. Company. No. 155,190; Feb. 7.
 Flooring and magnesite stucco. Composition. Compoloid Products Corporation. No. 156,359; Feb. 7.
 Flour, Self-rising. Dulle-Meyer Milling Company. No. 151,788; Feb. 7.
 Flour, Self-rising. Hadley Milling Company. No. 151,797; Feb. 7.
 Flour, Wheat. Kansas City Milling Co. No. 151,011; Feb. 7.
 Flour, Wheat. Nebraska Consolidated Mills Co. No. 136,905; Feb. 7.
 Flour, Wheat. Red Star Milling Company. No. 136,724; Feb. 7.
 Flower pots, Metal. Porclron Mfg. Co. No. 157,003; Feb. 7.
 Fondant or base for candy, etc. W. L. Caswell. No. 139,959; Feb. 7.
 Fruits and vegetables, hay, corn, wheat, Fresh. E. W. Knapp. Nos. 137,841-2; Feb. 7.
 Fruits, Fresh citrus. Bastanchury Ranch Company. No. 153,435; Feb. 7.
 Fruits, Fresh deciduous. Wenatchee Skookum Growers. No. 154,254; Feb. 7.
 Furnishings, undergarments and clothing, Men's and boys'. Franklin Simon & Co. No. 151,599; Feb. 7.
 Gaskets and composition cork sheets from which gaskets are cut, Composition cork. L. Mundet & Son. No. 153,512; Feb. 7.
 Gasoline-engine spark plugs. Wollo Ignition Products Co. No. 155,793; Feb. 7.
 Cigars, cigarettes, smoking, chewing, and plug tobacco. Weideman Company. No. 155,528; Feb. 7.
 Glue. F. A. Boyer. No. 156,211; Feb. 7.
 Glue. Sherwin-Williams Company. No. 137,050; Feb. 7.
 Grapes, Fresh. Dinuba Fruit Growers Company. No. 153,874; Feb. 7.
 Hair tonic. Geraldine Company. No. 134,229; Feb. 7.
 Hams and bacon. E. Godel & Sons. No. 145,782; Feb. 7.
 Hams, bacon, and lard. Patrick Young Co. No. 149,976; Feb. 7.
 Hams, bacons, butter, eggs, and sausage. Becker Provision Co. No. 151,252; Feb. 7.
 Hats and gowns, Ladies'. J. J. Jonas. No. 151,632; Feb. 7.
 Hats, caps, coats, vests, trousers, overcoats, socks, etc., Men's. J. F. Schweizer-Calliaux. No. 147,532; Feb. 7.
 Hats, Ladies'. Bud Hat Company. Nos. 150,260-1; Feb. 7.
 Hats, Men's and women's. Davis-Pope Company. No. 150,139; Feb. 7.
 Headache tablets, tablets of aspirin, porous plasters, kidney pills, etc. Heneph Co. No. 145,622; Feb. 7.
 Hose supporters and garters. Eagle Suspender & Belt Co. No. 145,941; Feb. 7.
 Hosiery. Louis Stix Co. Nos. 151,677-8; Feb. 7.
 Hosiery, Silk, wool, cotton, or fabric. David Levine & Sons. No. 146,831; Feb. 7.
 Ice cream. Hoeffer Ice Cream Company. No. 153,662; Feb. 7.
 Inhaling compound for firemen and others. W. M. Mitchell. No. 154,985; Feb. 7.
 Insect fluid. Emerson Pharmaceutical Laboratories. No. 154,585; Feb. 7.
 Key cases. Security Key Case Mfg. Co. No. 155,199; Feb. 7.
 Knee pads. E. N. Kauffman. No. 149,854; Feb. 7.
 Knitted caps. Reliable Knitting Works. No. 149,978; Feb. 7.
 Lamps and burners therefor, Miner's. L. E. Polhemus. No. 156,294; Feb. 7.
 Lard. John Morrell & Company. No. 147,362; Feb. 7.
 Lathes. Midwest Steel & Supply Company. No. 155,627; Feb. 7.
 Laundry blue mounted on a stirrer. O-Zo-Zo Company. No. 122,495; Feb. 7.
 Leather. J. H. Jackson Company. No. 156,533; Feb. 7.
 Leather, Preparations for waterproofing, etc., shoe. R. C. Hodges. No. 150,748; Feb. 7.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Liquid hydrocarbon to modify its action as motor fuel. Substances soluble in. J. R. White. No. 154,467; Feb. 7.
- Locks and latches. E. T. Fraim Lock Co. No. 144,022; Feb. 7.
- Locomotives, turntables, bucket excavators, etc. Koppel Industrial Car & Equipment Company. No. 132,394; Feb. 7.
- Lumber. Anderson-Tully Company. No. 155,134; Feb. 7.
- Machinery packing. Anchor Packing Company. No. 144,892; Feb. 7.
- Magazine, Monthly. Palmer Photoplay Corporation. No. 153,473; Feb. 7.
- Malagas. Fowler Grape Growers Association. No. 153,879; Feb. 7.
- Malt extract and dried grains for making malt beverages. Dimex Malt Extract Co. No. 150,521; Feb. 7.
- Meat, Hog or pork. Swift and Company. No. 153,116; Feb. 7.
- Medicinal preparation. Kruger Drug Co. No. 154,653; Feb. 7.
- Medicinal preparations of calcium ortho-benzyl-oxy-benzoate. Swan & Myers Co. No. 154,538; Feb. 7.
- Medicine in tablet form. William R. Warner & Co. No. 154,630; Feb. 7.
- Medicine, Tonic. Organ-Iron Company. No. 150,765; Feb. 7.
- Medicines recommended as a local rub. J. D. Howard. No. 152,709; Feb. 7.
- Metal-working machinery and production tools. Carroll Engineering Co. No. 137,604; Feb. 7.
- Middy blouses. Kramer, Sauber & Kesting Incorporated. No. 143,695; Feb. 7.
- Milk, cream, and buttermilk. Borden's Farm Products Company. No. 151,250; Feb. 7.
- Mixture for treatment of pneumonia, influenza, etc. J. C. Raven. No. 157,537; Feb. 7.
- Newspaper, Weekly. Near East American Publishing Company. No. 153,685; Feb. 7.
- Oil and nail polish, Manicure. M. J. Hasden. No. 154,192; Feb. 7.
- Oil, Lubricating. Power-Oil Co. Ltd. No. 155,571; Feb. 7.
- Oranges. Covina Orange Growers Association. No. 153,644; Feb. 7.
- Patterns, Embroidery. W. L. M. Clark, Incorporated. No. 155,807; Feb. 7.
- Perfumes, toilet waters, and sachets. K. D. Chowdury. No. 154,433; Feb. 7.
- Periodicals, Monthly, etc. W. Ehrman. No. 155,341; Feb. 7.
- Petroleum and products of petroleum for illuminating, etc. Standard Oil Company of New York. No. 136,206; Feb. 7.
- Petticoats. Burton Bros. & Co. No. 151,608; Feb. 7.
- Pharmaceutical preparation. Comer, Fetterly & Co. Nos. 148,924-5; Feb. 7.
- Pharmaceutical preparations. F. Ferrone. No. 150,743; Feb. 7.
- Pills, Anti-bilious. J. G. Parks. No. 148,815; Feb. 7.
- Pipes, cigar and cigarette holders and cases, etc. S. Gordon. No. 140,113; Feb. 7.
- Piston packing rings. Victory Ring Company. No. 154,907; Feb. 7.
- Planchette boards. W. J. Hainer. No. 126,281; Feb. 7.
- Plaster, etc., and articles made of same, Materials used in mixtures for making. G. Wenzelmann. No. 121,852; Feb. 7.
- Poisoned raisins. Machine. Dupius Chemical Company. No. 154,436; Feb. 7.
- Polish, Shoe. Griffin Manufacturing Company. No. 105,696; Feb. 7.
- Polishes, Metal. H. & S. Laboratories. No. 149,589; Feb. 7.
- Potatoes. J. P. Milloglav. No. 150,761; Feb. 7.
- Powder puffs. M. A. Butler. No. 153,919; Feb. 7.
- Preparation for coughs and colds in the chest, croup, etc. J. Eisenberg. No. 134,745; Feb. 7.
- Preparation for coughs, colds, etc. J. A. Coe. No. 153,444; Feb. 7.
- Preparation of medicines. Bayer Company. No. 157,406; Feb. 7.
- Prunes, Dried and partially-dried. H. N. Wood. No. 153,630; Feb. 7.
- Raincoats. F. W. Tulley. No. 151,600; Feb. 7.
- Razor-strop dressing. J. M. McVoy. No. 151,185; Feb. 7.
- Razors, Safety. Gillette Safety Razor Company. Nos. 147,191-4; Feb. 7.
- Razors, Safety. Gillette Safety Razor Company. No. 149,802; Feb. 7.
- Receptacles, Garbage and ash. Chicago Granitine Manufacturing Company. No. 156,263; Feb. 7.
- Refrigerators. I. F. Stevens. Nos. 151,889-90; Feb. 7.
- Registers, Cabinets for. Egry Register Company. No. 156,268; Feb. 7.
- Roofing and roof cement, Prepared. John Sexton and Company. No. 153,623; Feb. 7.
- Roofing, building board and paper, etc., Prepared. Heppes-Nelson Roofing Company. No. 131,577; Feb. 7.
- Roofing composed in whole or in part of felted materials. Philip Carey Manufacturing Co. No. 153,339; Feb. 7.
- Roofings, Composition, rubber, etc. Stork Contractors Export Corp. No. 121,995; Feb. 7.
- Rubber, Accelerator for vulcanization of. Dovan Chemical Corporation. No. 154,866; Feb. 7.
- Salts, borax, alum, etc., Epsom. J. H. Snyder Med. Co. No. 128,802; Feb. 7.
- Sand and gravel. Eau Claire Sand and Gravel Co. No. 153,132; Feb. 7.
- Sauce and ingredient for sauces. La Societe Anonyme des Amidonnerie & Rizerie de France. No. 151,276; Feb. 7.
- Saws, saw sets and screw drivers. Henry Disston & Sons, Incorporated. No. 153,206; Feb. 7.
- Seeds. Stark Bros. Nurseries & Orchards Co. No. 138,103; Feb. 7.
- Separators and churns. E. M. Salenius. No. 138,412; Feb. 7.
- Shaving outfit, Sanitary. A. J. Eisenberg. No. 151,913; Feb. 7.
- Sheeting. Lanett Cotton Mills. No. 155,266; Feb. 7.
- Shirts, pajamas, night shirts, underwear. C. Wax. No. 150,123; Feb. 7.
- Shoe laces, Mercerized. W. C. Johnson. No. 153,812; Feb. 7.
- Silk and dress satins, crêpe and silk shirtings, Broad. B. Edmund David, Inc. No. 154,639; Feb. 7.
- Sirup, Cane. Roddenberry Bros. No. 153,692; Feb. 7.
- Sirup, Corn. American Hominy Company. No. 150,581; Feb. 7.
- Sirups for use in beverages, Maltless. Santerba Perfumery Manufacturer Inc. No. 152,414; Feb. 7.
- Soap. John Sexton and Company. No. 153,622; Feb. 7.
- Sterilized solutions contained in sealed ampules. National Medico-Specialties Laboratories. No. 142,293; Feb. 7.
- Storage batteries. Gill Storage Battery Co. No. 156,380; Feb. 7.
- Suits and overcoats for men. B. Kuppenheimer and Co. No. 148,077; Feb. 7.
- Sulphate, Barium. Magnuson X-Ray Company. No. 154,699; Feb. 7.
- Switch boxes, motor inclosures, and safety switches. United Metal Box Co. No. 155,577; Feb. 7.
- Tires, etc., Pressure gauges for pneumatic. Greist Manufacturing Company. No. 137,775; Feb. 7.
- Tires, inner tubes for tires, tire liners and patches, Automobile. Climax Rubber Co. No. 149,268; Feb. 7.
- Tires, Puncture-sealing composition and preservative for pneumatic. Jackson Laboratories. No. 156,225; Feb. 7.
- Tools, Machine. Acme Machine Tool Company. No. 152,225; Feb. 7.
- Towel and broom holders. C. E. Erickson Co. No. 129,779; Feb. 7.
- Transfer sheets for use in the art of printing. F. W. Hyman. No. 154,023; Feb. 7.
- Tubes and valves, Vacuum. Radio Corporation of America. Nos. 155,451-4; Feb. 7.
- Usters and overcoats, Men's. Rosenberg Bros. & Co. No. 149,977; Feb. 7.
- Undergarments. P. H. Hanes Knitting Company. No. 146,548; Feb. 7.
- Vans, Traveling merchandise. H. A. Wieman. No. 122,867; Feb. 7.
- Varnishes and finishes. Continental Varnish Company. No. 136,785; Feb. 7.
- Vehicle wheels, Spokes and nipples for. Torrington Company. No. 157,010; Feb. 7.
- Vehicles, Transmission, differentials, clutches, control levers, and gears for automotive. Warner Gear Company. No. 151,897; Feb. 7.
- Vehicles, Trucks and truck bodies for driven or drawn. Rolling Red Stores Company. No. 152,345; Feb. 7.
- Wire rope and cables and aeroplane cables. American Steel & Wire Company of New Jersey. No. 156,136; Feb. 7.
- Wringers, Mop. White Mop Wringer Co. No. 150,580; Feb. 7.
- Yarn and boiled linen yarn, Green linen. Irish Linen Society. No. 156,632; Feb. 7.
- Yeast used in preparation of bread. C. Priest. No. 148,295; Feb. 7.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 7, 1922.

NOTE.—First number=class, second number=subclass, third number=patent number.

1— 8.2: 1,406,105	29— 89: 1,405,555	53— 3: 1,405,662	81— 150: 1,405,716	112— 16: 1,405,443	139— 46: 1,405,452
33: 1,405,800	96: 1,405,605	1,405,939	164: 1,405,432	100: 1,405,355	85: 1,405,451
46: 1,406,027	105: 1,405,903	1,405,983	190: 1,405,784	114: 1,405,477	1,405,522
59: 1,405,744	156.6: 1,405,517	8: 1,406,159	38: 1,405,670	50: 1,405,425	92: 1,405,441
108: 1,406,078	159: 1,406,110	6: 1,405,387	40: 1,405,898	80: 1,405,592	25: 1,406,114
144: 1,405,405	164: 1,405,801	33: 1,403,003	9: 1,406,109	114 - 16.7: 1,405,728	92.2: 1,406,092
1,405,421	182: 1,405,534	55— 11: 1,405,860	10: 1,405,878	50: 1,405,895	141— 9: 1,405,394
1,405,962	1,405,535	17: 1,405,750	26: 1,405,846	57: 1,405,684	11: 1,405,881
1,405,963	30— 12: 1,405,750	60: 1,405,782	30: 1,405,726	79: 1,405,844	143— 173: 1,405,599
145: 1,405,694	14: 1,405,529	1,405,771	52: 1,405,814	115— 11: 1,405,482	32: 1,405,723
149: 1,405,787	20: 1,406,156	56— 20: 1,405,771	53: 1,405,677	116— 26: 1,405,839	231: 1,405,614
1: 1,406,030	22: 1,406,135	100: 1,406,093	56: 1,405,467	34: 1,405,706	113: 1,405,867
5: 1,406,080	85: 1,405,668	59— 22: 1,405,785	73: 1,405,707	36: 1,405,870	145— 1,405,925
36: 1,406,147	31— 9: 1,405,874	80: 1,405,851	84— 84: 1,405,932	43: 1,405,861	146— 12: 1,405,720
13: 1,406,051	32— 11: 1,406,143	1,406,073	130: 1,405,461	47: 1,406,130	148— 29: 1,405,678
29: 1,405,606	56: 1,405,834	60— 13: 1,405,551	270: 1,405,771	49: 1,405,997	30: 1,405,553
41: 1,405,476	59: 1,405,580	16: 1,405,975	87— 6: 1,405,902	53: 1,405,895	150— 28: 1,406,035
48: 1,405,931	65: 1,406,157	64: 1,405,565	7: 1,405,741	54: 1,405,699	151— 21: 1,406,065
64: 1,405,721	141: 1,405,410	95: 1,405,564	27: 1,405,783	118: 1,405,798	25: 1,406,043
8— 1: 1,405,446	147: 1,405,711	61— 11: 1,405,725	24: 1,406,041	136: 1,405,793	29: 1,406,061
12: 1,405,560	174: 1,405,926	25: 1,405,390	56: 1,406,118	41: 1,405,710	1,406,161
86: 1,405,969	176: 1,406,117	69: 1,405,996	6: 1,405,664	59: 1,405,835	152— 1: 1,405,960
55: 1,405,776	118: 1,405,393	75: 1,405,855	5: 1,406,001	119— 75: 1,405,478	1,405,972
57: 1,405,531	1,405,760	17: 1,405,930	12.5: 1,406,139	120— 1: 1,405,558	1,405,973
123: 1,405,875	34— 5: 1,405,594	52: 1,405,729	21: 1,405,909	10: 1,405,970	1,406,151
142: 1,405,580	12: 1,405,781	1,405,438	33: 1,406,022	13: 1,406,056	8: 1,405,888
146: 1,405,453	21: 1,405,460	54: 1,406,099	58: 1,405,622	1,406,077	10: 1,405,859
9: 1,406,094	39: 1,405,780	55: 1,405,879	59: 1,405,492	26: 1,405,550	11.5: 1,405,436
18: 1,405,990	36— 13: 1,406,033	59: 1,405,894	30: 1,406,123	83: 1,405,791	12: 1,406,133
21: 1,405,989	50: 1,405,974	65: 1,405,681	68: 1,405,880	121— 81: 1,406,140	14: 1,405,672
32: 1,405,938	37— 5: 1,406,019	96: 1,406,112	92— 20: 1,405,944	122— 161: 1,406,044	18: 1,406,086
60: 1,405,924	39— 34: 1,405,461	33: 1,405,769	1,405,946	504.1: 1,405,953	32: 1,405,395
253: 1,405,773	40— 20: 1,405,547	60: 1,405,488	1,405,947	504.3: 1,406,024	48: 1,405,473
45: 1,405,585	52: 1,405,915	115: 1,405,631	46: 1,406,009	31: 1,405,772	59: 1,406,096
72: 1,405,735	64: 1,405,767	29: 1,405,764	69: 1,405,384	59: 1,406,045	65: 1,405,595
121: 1,405,528	67: 1,406,034	68— 29: 1,405,919	84: 1,406,148	66: 1,406,072	68: 1,406,077
1,405,971	117: 1,406,120	70— 2: 1,405,919	4: 1,406,068	71: 1,405,747	90: 1,405,597
11: 1,405,457	124: 1,405,495	18: 1,405,987	42: 1,405,543	122— 122: 1,405,633	146.5: 1,405,724
2: 1,405,383	131: 1,405,842	31: 1,406,095	45: 1,405,463	169: 1,405,549	1,405,686
5.3: 1,405,484	136: 1,405,635	122: R. 15.282	51: 1,406,124	171: 1,405,883	1,405,701
8: 1,406,153	140: 1,405,991	126: 1,405,603	100: 1,405,892	174: 1,405,893	1,405,701
45: 1,405,427	41— 13: 1,405,786	71— 6: 1,405,952	13: 1,405,980	179: 1,405,913	188: 1,405,420
1,405,470	42— 3: 1,405,685	72— 38: 1,405,574	64: 1,405,581	187.5: 1,405,843	156— 14: 1,405,618
53: 1,405,998	20: 1,405,765	41: 1,405,644	81: 1,405,901	19: 1,406,050	19: 1,405,416
56: 1,406,160	17: 1,406,038	47: 1,405,579	31: 1,406,089	37: 1,406,138	20: 1,405,426
11: 1,405,557	27: 1,405,740	102: 1,405,995	55: 1,406,062	124— 19: 1,406,055	24: 1,405,400
16: 1,405,984	31: 1,405,546	105: 1,405,994	2: 1,405,775	125— 37: 1,406,141	1,405,958
29: 1,405,666	61: 1,406,028	110: 1,405,654	100— 56: 1,405,440	126— 37: 1,405,489	157— 6: 1,405,872
36: 1,405,507	67: 1,406,091	30: 1,405,754	52: 1,406,101	39: 1,406,152	27.4: 1,405,975
36: 1,405,398	109: 1,405,822	31: 1,406,088	108: 1,405,444	53: 1,405,789	28: R. 15.281
105: 1,405,929	140: 1,405,573	32: 1,405,832	111: 1,405,811	90: 1,405,943	36: 1,406,157
1: 1,405,669	44— 9: 1,405,805	52: 1,405,709	320: 1,405,513	116: 1,406,111	99: 1,406,003
13: 1,405,388	9: 1,405,806	7: 1,405,430	1,405,515	125: 1,406,037	105: 1,405,386
1,405,734	1,405,809	1,405,479	395: 1,406,132	214: 1,405,521	8: 1,405,749
24: 1,405,732	9: 1,406,116	14: 1,405,852	400: 1,405,570	317: 1,405,465	10: 1,405,431
1,405,954	33: 1,406,097	16: 1,405,649	402: 1,406,104	9: 1,405,756	17: 1,405,961
18: 1,405,459	48: 1,406,144	34: 1,405,391	408: 1,405,949	18: 1,406,055	182— 1: 1,406,145
68: 1,405,830	95: 1,406,129	1,405,713	61: 1,406,036	29: 1,406,141	7: 1,405,392
87: 1,405,445	9: 1,405,864	1,406,119	64: 1,405,447	136: 1,405,689	15: 1,406,081
132: 1,405,423	21: 1,405,988	36: 1,405,408	08: 1,405,595	192: 1,405,802	19: 1,405,389
150: 1,405,500	27: 1,405,923	39: 1,406,103	79: 1,405,737	1: 1,405,602	23: 1,405,385
1,405,761	40: 1,405,752	50: 1,405,509	82: 1,406,017	16: 1,405,993	34: 1,405,743
200: 1,405,471	1,406,023	1,405,657	36: 1,405,848	35: 1,405,850	48: 1,405,401
218: 1,405,933	50: 1,405,981	54: 1,406,146	150: 1,405,757	35: 1,405,818	3: 1,406,058
225: 1,405,688	51: 1,405,951	78: 1,405,807	195: 1,406,076	17: 1,405,692	5: 1,405,458
265: 1,405,516	56: 1,406,155	99: 1,405,986	197: 1,405,415	18: 1,405,690	6: 1,405,856
77: 1,405,788	61: 1,405,705	105: 1,405,466	367: 1,405,745	1,406,127	9: 1,405,999
105: 1,405,671	1,405,967	108: 1,405,403	369: 1,405,485	27: 1,405,766	5: 1,405,411
131: 1,405,650	47— 41: 1,405,568	1,405,887	375: 1,405,655	30: 1,405,610	39: 1,405,611
1,405,934	180: 1,406,113	109: 1,405,540	395: 1,405,623	1: 1,405,914	42: 1,405,512
145: 1,405,593	191: 1,405,918	1,405,054	435: 1,405,496	10: 1,405,860	1,405,588
5: 1,405,591	202: 1,405,863	114: 1,405,021	3: 1,405,600	11: 1,405,576	103: 1,406,031
1,405,836	49— 1: 1,406,045	82: 1,405,561	23: 1,405,439	132— 33: 1,406,083	156: 1,405,910
1,405,837	55: 1,405,936	1,405,730	40: 1,405,448	50: 1,405,815	163: 1,405,643
1,405,838	34: 1,406,011	3: 1,406,102	1,405,490	26: 1,405,941	209: 1,405,536
20: 1,405,792	50— 1,406,012	37: 1,405,799	50: 1,405,920	79: 1,405,487	229: 1,405,469
21: 1,405,626	1,406,013	52: 1,406,084	7: R. 15.280	1,405,487	252: 1,405,356
20: 1,406,053	1,406,014	53: 1,405,985	18: 1,406,082	31: 1,405,824	1,405,968
48: 1,406,064	1,406,015	9.3: 1,405,587	24: 1,405,966	32: 1,405,911	324: 1,405,497
69: 1,405,697	51— 60: 1,405,639	32: 1,405,739	6: 1,405,641	44: 1,405,402	1,405,519
76: 1,406,071	106: 1,405,454	55: 1,405,795	44: 1,405,948	93: 1,405,578	1,405,596
81: 1,405,930	109: 1,405,424	60: 1,405,896	75: 1,405,520	139: 1,406,026	1,405,493
1,406,047	221: 1,405,474	72: 1,405,896	30: 1,405,480	140: 1,405,950	172— 179: 1,405,640
84: 1,405,790	268: 1,405,922	85: 1,406,032	59: 1,405,866	160: 1,405,900	
86.3: 1,405,696	52— 1: 1,406,121	86: 1,406,106			

XXXV

172— 239: 1,405,502	192— 116: 1,405,957	213— 42: 1,405,544	235— 144: 1,406,126	254— 78: 1,405,615	280— 124: 1,406,000
175— 300: 1,405,002	193— 46: 1,405,955	64: 1,405,620	236— 45: 1,405,871	88: 1,405,567	282— 9: 1,405,748
294: 1,405,455	194— 12: 1,405,884	67: 1,405,906	237— 1: 1,405,820	94: 1,406,108	27: 1,405,882
1,406,653	196— 19: 1,405,704	1,405,916	238— 46: 1,405,886	97: 1,405,656	283— 66: 1,405,559
304: 1,405,335	197— 47: 1,405,722	214— 61: 1,405,718	58: 1,405,556	124: 1,405,404	287— 14: 1,405,712
357: 1,405,979	60: 1,405,412	131: 1,405,659	64: 1,405,628	172: 1,405,612	20. 5: 1,405,877
7: 1,405,819	82: 1,405,413	132: 1,405,652	283: 1,406,074	255— 26: 1,406,029	52: 1,405,719
329: 1,405,812	198— 108: 1,405,808	135: 1,405,796	304: 1,405,667	27: 1,405,468	290— 38: 1,405,942
369: 1,405,673	128: 1,405,731	145: 1,405,653	317: 1,405,664	256— 51: 1,405,715	292— 6: 1,405,857
44: 1,405,428	162: 1,405,585	215— 38: 1,405,442	1: 1,405,770	257— 24: 1,405,821	19: 1,405,575
179— 101: 1,405,472	168: 1,405,419	216— 54: 1,405,755	8. 4: 1,405,532	84: 1,405,584	26: 1,405,977
138: 1,405,849	193: 1,405,571	217— 5: 1,406,098	8. 5: 1,405,630	104: 1,405,816	66: 1,406,090
170: 1,405,501	199— 30: 1,406,107	60: 1,405,433	10: 1,405,674	125: 1,405,381	78: 1,405,636
171: 1,405,523	33: 1,405,518	19: 1,405,506	41: 1,405,410	82: 1,405,733	157: 1,405,691
1,406,149	52: 1,406,075	34: 1,406,057	1,405,717	102: 1,406,136	202: 1,405,524
180— 17: 1,405,897	60: 1,405,498	35: 1,405,624	1,406,115	1,406,137	297: 1,406,085
64: 1,405,904	200— 52: 1,405,708	38: 1,406,048	60: 1,406,025	261— 50: 1,405,777	350: 1,405,695
73: 1,405,763	87: 1,405,853	40: 1,405,475	11: 1,405,418	72: 1,405,700	293— 55: 1,405,456
80: 1,405,435	116: 1,405,450	41: 1,406,100	77: 1,406,010	264— 1: 1,405,841	1,405,676
181— 27: 1,406,046	125: 1,405,533	24: 1,405,679	84 1: 1,406,005	265— 11: 1,405,538	26: 1,406,052
183— 67: 1,405,399	1,405,778	55: 1,405,577	139: 1,405,554	54: 1,405,634	114: 1,405,976
1,405,437	130: 1,405,682	66: 1,405,422	146: 1,405,526	266— 41: 1,405,683	294— 21: 1,406,021
114: 1,405,629	159: 1,405,537	221— 23: 1,405,638	2: 1,405,658	267— 10: 1,405,541	28: 1,405,680
122: 1,405,613	203— 5: 1,405,483	74: 1,406,158	12: 1,405,890	1,405,813	66: 1,405,486
184— 1: 1,405,582	204— 29: 1,405,627	100: 1,405,827	14: 1,405,667	1,405,912	85: 1,405,499
13: 1,405,396	1,405,702	1,406,125	1,405,917	17: 1,405,937	298— 22: 1,406,131
48: 1,405,566	1,405,703	107: 1,405,753	25: 1,405,407	29: 1,405,663	108: 1,405,831
27: 1,405,794	64: 1,405,762	112: 1,405,826	31: 1,405,828	54: 1,406,134	130: 1,405,810
40: 1,405,572	206— 30: 1,405,508	223— 51: 1,405,928	1,405,889	4: 1,405,510	301— 11: 1,405,481
41: 1,406,018	44: 1,405,503	226— 87: 1,405,738	5: 1,405,868	17: 1,406,154	1,405,803
188— 62: 1,405,562	208— 34: 1,406,060	230— 27: 1,405,397	38: 1,405,527	49: 1,405,514	19: 1,405,563
210: 1,405,429	101: 1,405,982	1,405,907	74: 1,405,552	274— 15: 1,405,675	44: 1,405,542
232: 1,405,665	16: 1,406,940	1,405,908	220: 1,405,693	1,405,751	63: 1,405,648
259: 1,405,601	131: 1,405,406	35: 1,405,583	253: 1,405,548	27: 1,406,042	1,405,646
1,406,049	165: 1,405,873	41: 1,405,661	258: 1,405,494	37: 1,406,069	1,405,647
189— 29: 1,405,586	185: 1,405,876	1: 1,405,409	421: 1,406,079	70: 1,405,525	1,405,648
58: 1,405,753	211— 7: 1,405,825	37: 1,405,727	248— 24: 1,406,087	39: 1,405,625	64: 1,406,122
72: 1,405,829	8: 1,405,462	43: 1,406,067	250— 20: 1,405,905	51: 1,406,006	104: 1,405,617
76: 1,405,817	13: 1,406,007	53: 1,406,066	251— 49: 1,406,060	103: 1,405,921	126: 1,405,642
39: 1,405,608	14: 1,405,539	46: 1,405,434	78: 1,405,833	22: 1,405,858	303— 36: 1,406,020
43: 1,405,609	24: 1,405,504	69: 1,405,589	145: 1,405,968	34: 1,405,779	305— 13: 1,405,804
52: 1,405,698	1,405,505	83: 1,405,598	4: 1,405,746	94: 1,405,854	1,405,823
58: 1,405,736	1,405,569	84: 1,405,847	194: 1,405,959	106: 1,405,637	
68: 1,405,927	36: 1,405,964	144: 1,405,899	254— 49: 1,405,862		



ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF FEBRUARY, 1922.

NOTE.—Arranged in accordance with the first significant character or word of the name. (In accordance with city and telephone directory practice.)

- A/S Høyangfaldene Norsk Aluminium Co. (See Peder-
sen, Harald, assignor.)
Ackermann, Adelrich, Reiden, Switzerland. Parachute.
No. 1,406,521; Feb. 14.
Akard, James H., San Francisco, Calif. Wire twister.
No. 1,406,715; Feb. 14.
Aktiebolaget Ljungström Angturbin. (See Ljungström,
Fredrik, assignor.)
Alborn, Frans G., Milford, assignor, by mesne assign-
ments, to The Locomobile Company, Bridgeport, Conn.
Radiator mounting for motor vehicles. No. 1,406,163;
Feb. 14.
Albott, Leonard E., Augusta, Kans. Tire protector. No.
1,406,803; Feb. 14.
Alexander, William S., Elsmere, Del. Quick-releasable
nut and bolt. No. 1,406,804; Feb. 14.
Allard, J. Frank, Brooklyn, assignor to Underwood Type-
writer Company, New York, N. Y. Typewriting ma-
chine. No. 1,406,162; Feb. 14.
Allen, Arthur F., A. P. McCoy, New York, N. Y., and R. O.
Sternberger, Newark, N. J., assignors to Tidewater
Paper Mills Company, Brooklyn, N. Y. Removing print-
ers' ink from paper. No. 1,406,322; Feb. 14.
Allen, Charles, El Paso, Tex. Settling tank. No.
1,406,323; Feb. 14.
Allen Cone Co., The. (See Shaw, Edmund, assignor.)
Allen, S. L., & Co. (See Richie, David R., assignor.)
American Can Company. (See Fleischer, Paul W., as-
signor.)
American District Telegraph Company. (See Hopkins,
Richard M., assignor.)
American Optical Company. (See Tillyer, Edgar D.,
assignor.)
American Seamless Container Company. (See Rockwood,
Charles P., assignor.)
American Tag Company. (See Swett, Arthur H., as-
signor.)
American Telephone and Telegraph Company. (See Blau-
velt, William G., assignor.)
American Telephone and Telegraph Company. (See Kuhn,
George W., assignor.)
American Telephone and Telegraph Company. (See Toomey,
John F., assignor.)
Amoroso, Silvio, Boston, assignor of one-half to A. Frisch,
Winthrop, Mass. Pneumatic element for vehicle wheels.
No. 1,406,324; Feb. 14.
Anchor Cap & Closure Corporation. (See Townsend, Harry
E., assignor.)
Anderson, Axel, St. Paul, and C. O. Wold, assignor to
Russell Grader Manufacturing Co., Minneapolis, Minn.
Grader blade. No. 1,406,325; Feb. 14.
Anderson, E. D., Inc. (See Beckmann, Carl, assignor.)
Anderson, William J., Caulfield, near Melbourne, Victoria,
Australia. Automatic electric incubator. No. 1,406,164;
Feb. 14.
Andersoh, William T., Cleveland, Ohio. Safe for tired
wheel rims. No. 1,406,601; Feb. 14.
Anderson, William T., Cleveland, Ohio. Safe for tired
wheel rims. No. 1,406,805; Feb. 14.
Andresen, Hilmar A., Erie, Pa. Electromagneto machine.
No. 1,406,806; Feb. 14.
Andrews, Paul I., Kennebunk, Me. Box holder for berry
pickers. No. 1,406,326; Feb. 14.
Anelli, Joseph. (See Polo, A., and Anelli.)
Ångström, Hilding K., Malmö, Sweden. Roller or ball
bearing for electrically-driven vehicles and the like.
No. 1,406,807; Feb. 14.
Anholzer, Edward F., Appleton, Wis. Bake tin. No.
1,406,522; Feb. 14.
Anthony Company. (See Stevenson, W. W., and Bathgate,
assignor.)
Antonelli, Orazio, Brooklyn, N. Y. Motion-picture appa-
ratus. No. 1,406,808; Feb. 14.
Antrim, William D., assignor to Welsbach Company,
Gloucester City, N. J. Gas heater. No. 1,406,523;
Feb. 14.
Apollo Piano Company, The. (See Clark, Melville, as-
signor.)
Arndt, Franklin E., assignor to The Galion Iron Works &
Mfg. Co., Galion, Ohio. Bucket-door-closing mechanism.
No. 1,406,327; Feb. 14.
Arnold, Frank P., Watkins, Minn. Tractor wheel and
scraper. No. 1,406,809; Feb. 14.
Arnold, Henry J., Denver, Colo. Sign for roadsides. No.
1,406,916; Feb. 14.
Asbjeld, Peder A., Beresford, S. D. Dirigible automobile
headlamp. No. 1,406,955; Feb. 14.
Atcheson, Robert H., assignor to H. J. Doughty, Provi-
dence, R. I. Tire-casing-vulcanizing mold. No.
1,406,433; Feb. 14.
Atherton, Alfred L., Edgewood Park, Pa., assignor to
Westinghouse Electric and Manufacturing Company.
Temperature-regulating means for filamentary electro-
des. No. 1,406,328; Feb. 14.
Atwater, John M., Chicago, Ill. Spark plug. No.
1,406,810; Feb. 14.
Auto-Ordinance Corporation. (See Eickoff, Theodore H.,
assignor.)
Autopoint Pencil Company. (See Hasselquist, Hugo S.,
assignor.)
Rachle, Andrew. (See Elbertz, Frank W., assignor.)
Bachrik, Joseph, Smithdale, Pa. Detachable handle for
containers. No. 1,406,811; Feb. 14.
Baczinski, Edward, Hamtramck, Mich. Trolley-wheel
harp. No. 1,406,812; Feb. 14.
Baer, Carl J., St. Louis, Mo. Boat. No. 1,406,602;
Feb. 14.
Bailey, Arthur H., Los Angeles, Calif. Sash weight. No.
1,406,917; Feb. 14.
Bailey, Louis, Columbus, Ohio. Bank, safe, and vault
lock and the like. No. 1,406,813; Feb. 14.
Bain, Zeno M., Coffee Creek, Mont. Disk sharpener. No.
1,406,716; Feb. 14.
Baker Casing Shoe Company. (See Baker, Reuben C., as-
signor.)
Baker, Howard H., assignor to United States Fuse Cor-
poration, Buffalo, N. Y. Fuse. No. 1,406,434; Feb. 14.
Baker, Lewis S., Ossining, assignor to Western Electric
Company, Incorporated, New York, N. Y. Coffee per-
colator. No. 1,406,814; Feb. 14.
Baker, Newton D., Secretary of War, trustee. (See
Peoples, John S., assignor.)
Baker, Reuben C., assignor to Baker Casing Shoe Com-
pany, Coalaling, Calif. Dump bailer. No. 1,406,329;
Feb. 14.
Balkwill, Wesley J., assignor to Multipost Company, Roch-
ester, N. Y. Counter-operating mechanism for stamp
affixers. No. 1,406,435; Feb. 14.
Ballard, Herbert T., Norristown, Pa. Knitting machine.
No. 1,406,253; Feb. 14.
Ballard, Herbert T., Norristown, Pa. Needle cylinder for
knitting machines. No. 1,406,254; Feb. 14.
Ballentine, James H., Huntsville, Ala. Nut lock. No.
1,406,956; Feb. 14.
Baltimore Oil Engine Company. (See Wygodsky, Leon,
assignor.)
Bancel, Paul A., Nutley, N. J., assignor to Ingersoll-Rand
Company, Jersey City, N. J. Compartment surface con-
denser. No. 1,406,815; Feb. 14.
Banks, William J. (See Campbell, P., and Banks.)
Barks, Frank S., St. Louis, Mo. Dust guard for journal
boxes. No. 1,406,816; Feb. 14.
Barner, John S., Colver, Pa. Engine. No. 1,406,330;
Feb. 14.
Barnes, Clarence E., Warren, Ohio. Gas governor. No.
1,406,817; Feb. 14.
Bartelt, Arthur H., Milwaukee, Wis. Wrench. No.
1,406,331; Feb. 14.
Bates, Harry H., assignor to Bates Machine & Tractor
Company, Joliet, Ill. Tractor. No. 1,406,332; Feb. 14.
Bates, Lindon W., Mount Lebanon, N. Y. Apparatus for
agitating and heating mobile material. No. 1,406,818;
Feb. 14.
Bates Machine & Tractor Company. (See Bates, Harry
H., assignor.)
Bathgate, Owen H. (See Stevenson, W. W., and Bath-
gate.)
Battle Creek Box Company. (See Cummings, Charles
A., assignor.)
Beach, Howard L., Edgewood Park, Pa., assignor to
Westinghouse Electric and Manufacturing Company.
Control apparatus. No. 1,406,333; Feb. 14.
Beatty, William R., Hammond, Ind. Long-stroke vertical-
type press. No. 1,406,334; Feb. 14.
Bechtold, William S., Newark, N. J. Band comb. No.
1,406,819; Feb. 14.
Beck, Roy L., Trenton, Mo. Water pump for tractors.
No. 1,406,524; Feb. 14.
Beckmann, Carl, assignor to E. D. Anderson, Inc., New
York, N. Y. Packaging machine. No. 1,406,165;
Feb. 14.

ALPHABETICAL LIST OF PATENTEES.

- Bedford, Clayton W., and R. L. Sibley, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Manufacture of thiocarbaniide for vulcanization of caoutchouc. No. 1,406,719; Feb. 14.
- Bedford, Clayton W., and R. L. Sibley, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Vulcanizing caoutchouc. No. 1,406,717; Feb. 14.
- Bedford, Clayton W., and R. L. Sibley, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Thiocarbaniide derivatives in the vulcanization of caoutchouc. No. 1,406,718; Feb. 14.
- Beebe, Eugene F., Minneapolis, Minn. Wringer. No. 1,406,436; Feb. 14.
- Beech-Nut Packing Company. (See Weill, M. K., and Cornell, assignors.)
- Beiser, Charles W., Brooklyn, N. Y. Toy small arm. No. 1,406,820; Feb. 14.
- Belluche, Frank R., assignor to United Printing Machinery Company, Boston, Mass. Two-path sheet timing and transferring mechanism. No. 1,406,603; Feb. 14.
- Bennett, Edward D., Pulaski, N. Y. Felt-cleaning device for paper-making machines. No. 1,406,821; Feb. 14.
- Bennett, George A., Prahran, and F. B. A. Kirsten, Balwyn, Melbourne, Victoria, Australia. Renewable or loose leaf book. No. 1,406,166; Feb. 14.
- Bentley, Anson J., Niles, Ohio. Ice-making apparatus. No. 1,406,167; Feb. 14.
- Bentley, Anson J., Niles, Ohio. Ice-making apparatus. No. 1,406,168; Feb. 14.
- Benzine Condensation Co. (See Boecler, Albert, assignor.)
- Berger, Christian. (See Sawyer, Frederick L., assignor.)
- Berry, Reni S. (See McGee, W. H., and Berry.)
- Blauvelt, William G., New York, N. Y., assignor to American Telephone and Telegraph Company. Testing system. No. 1,406,918; Feb. 14.
- Block, Alexander, New York, N. Y. Lock. No. 1,406,437; Feb. 14.
- Block, Henry, Galveston, Tex. Writing pen. No. 1,406,438; Feb. 14.
- Blomstrand, Axel E. (See Strom, E. N., and Blomstrand.)
- Boecler, Albert, Malmö, Sweden, assignor to Benzine Condensation Co. Inc. Machine for the production of rubber-coated textiles and the like. No. 1,406,919; Feb. 14.
- Bolenbaugh, Burton R., C., and R. S., and L. W. Long, Jackson, Mich., assignors of one-third to said Burton R., C., and R. S. Bolenbaugh, one-sixth to said Long, one-sixth to A. Paulson, New York, N. Y., one-sixth to H. E. Keeler, Ann Arbor, Mich., and one-sixth to L. H. Flynn, Albany, N. Y. Wheel construction. No. 1,406,920; Feb. 14.
- Bolenbaugh, Cyrus. (See Bolenbaugh, Burton R., C., and R. S., and Long.)
- Bolenbaugh, Ray S. (See Bolenbaugh, Burton R., C., and R. S., and Long.)
- Bolens, H. W., et al. (See Strite, George T., assignor.)
- Booth, Lemuel E., assignor of one-half to G. W. John, Des Moines, Iowa. Lining for brakes and clutches. No. 1,406,720; Feb. 14.
- Bouchard, Uldoric J. (See Schloth, Arthur C., and H. E., assignors.)
- Bouillon, Charles, Paris, France. Apparatus for leaching minerals. No. 1,406,525; Feb. 14.
- Boulton, George, Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lining-trimming machine. No. 1,406,335; Feb. 14.
- Bouton, Edgar M., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. No. 1,406,255; Feb. 14.
- Bowen, Charles, Fort Wayne, Ind. Bumper for automobiles. No. 1,406,921; Feb. 14.
- Boyce, Harrison H., Forest Hills, N. Y. Cooling system. No. 1,406,922; Feb. 14.
- Boyle, Alfred S., Cincinnati, Ohio. Floor waxer and polisher. No. 1,406,721; Feb. 14.
- Boyer, Emanuel J., assignor to N. A. Kaletsky, New Haven, Conn. Powder puff. No. 1,406,439; Feb. 14.
- Boyll, Robert, Terre Haute, Ind. Electric wax sealer. No. 1,406,526; Feb. 14.
- Boysen, Frank R. (See McCollum, Clarence R., assignor.)
- Bozung, Joseph A., Denver, Colo. Quick-locking cap for the air valves of automobile tires. No. 1,406,336; Feb. 14.
- Bradley, John G., Topeka, Kans., and W. F. Metz, Buckner, Ill. Track-cleaning machine for mines. No. 1,406,527; Feb. 14.
- Braine, Bancroft G., Montclair, N. J., assignor to The Rail Joint Company, New York, N. Y. Means for balancing stresses in rail joints. No. 1,406,528; Feb. 14.
- Braymer, William E., Kiefer, Okla. Swing. No. 1,406,529; Feb. 14.
- Brenneisen, Max, Berne, Switzerland. Dust-sucking apparatus for automobiles. No. 1,406,530; Feb. 14.
- Bretagne, Alcide, Boston, Mass. Radiator. No. 1,406,256; Feb. 14.
- Brice, Arthur W., Rochester, N. Y., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Rheostat. No. 1,406,257; Feb. 14.
- Brice, John F., Bensalem Township, Bucks County, Pa. Plane for aircraft. No. 1,406,923; Feb. 14.
- Briggs, Henry, Hasbrouck Heights, N. J. Guide or gauge for reciprocating hand tools. No. 1,406,924; Feb. 14.
- Brigham, Nelson E. (See Fleming, W. M., and Brigham.)
- Britten, William M., assignor of one-half to C. Harshman, Los Angeles, Calif. Gas burner. No. 1,406,925; Feb. 14.
- Brock, Matthias, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. No. 1,406,337; Feb. 14.
- Brogren, Sven G., and K. Karlsson, Gottenborg, Sweden. Burner for petroleum stoves. No. 1,406,338; Feb. 14.
- Brooks, Clifford C., and E. O. Klemm, assignors to Klemm Manufacturing Company, Saginaw, Mich. Automatic stop and repeating means for graphophones. No. 1,406,604; Feb. 14.
- Brooks, Clifford C., and E. O. Klemm, assignors to Klemm Manufacturing Company, Saginaw, Mich. Automatic stop and repeating means for graphophones. No. 1,406,605; Feb. 14.
- Brooks, Clifford C., and E. O. Klemm, Fenton, assignors to Klemm Manufacturing Company, Saginaw, Mich. Automatic stop and repeating means for graphophones. No. 1,406,606; Feb. 14.
- Brooks, Clifford C., and E. O. Klemm, assignors to Klemm Manufacturing Company, Saginaw, Mich. Automatic stop and repeating means for graphophones. No. 1,406,607; Feb. 14.
- Brooks, Clifford C., and E. O. Klemm, assignors to Klemm Manufacturing Company, Saginaw, Mich. Automatic stopping and repeating means for graphophones. No. 1,406,608; Feb. 14.
- Broward, Benjamin T., Cleveland, Ohio. Tool holder. No. 1,406,339; Feb. 14.
- Brown, Charles A., Lorain, Ohio. Cleansing filters. No. 1,406,340; Feb. 14.
- Brown, Edward, Hartford, Conn. Wrench. No. 1,406,531; Feb. 14.
- Brown, Harry M., assignor to Spring Stopper Company, Brooklyn, N. Y. Machine for making bottles, etc. No. 1,406,722; Feb. 14.
- Brown, Julius A., Peekskill, N. Y. Reproducer for phonographs. No. 1,406,258; Feb. 14.
- Brown, Thomas E., Jr., Morristown, N. J. Bascule bridge. No. 1,406,259; Feb. 14.
- Brownfield, Walter J., St. Louis, Mo. Transmission band. No. 1,406,440; Feb. 14.
- Brugler, Elmer G., Rochester, N. Y. Auto signaling device. No. 1,406,532; Feb. 14.
- Brunswick-Balke-Collender Company. (See Nystrom, Martin, assignor.)
- Bryan, George A., Peru, Ind. Water-level indicator. No. 1,406,926; Feb. 14.
- Brzezicki, John, Pittsburgh, Pa. Safety lock for trunks and the like. No. 1,406,822; Feb. 14.
- Buff, Isador J., Cadogan, Pa. Rail joint. No. 1,406,533; Feb. 14.
- Bugbee & Niles Company. (See King Rufus, assignor.)
- Bugbee, Lucian W., assignor to Onepiece Bifocal Lens Company, Indianapolis, Ind. Means for polishing multifocal lenses. No. 1,406,927; Feb. 14.
- Bull, Walter H., Coburg, Melbourne, Victoria, Australia. Bulk storage and handling of grain. No. 1,406,928; Feb. 14.
- Burby, Arthur F. (See Roberts, A. O., O'Keefe, and Burby.)
- Burr, Harry J., East Orange, N. J., assignor to The Postcraft Company, Inc., New York, N. Y. Stamp-affixing machine. No. 1,406,534; Feb. 14.
- Burr, Harry J., New Hartford, N. Y., assignor to Postcraft Company, Inc., Utica, N. Y. Stamp-affixing machine. No. 1,406,535; Feb. 14.
- Butcher, William L., Bringham, Ind. Fence protector. No. 1,406,929; Feb. 14.
- Cain, John W., Chicago, Ill. Windshield wiper. No. 1,406,341; Feb. 14.
- Caldwell, William L., assignor, by mesne assignments, to United Alloy Steel Corporation, Canton, Ohio. Joist hanger. No. 1,406,723; Feb. 14.
- Cameron Can Machinery Co. (See Cameron, William, assignor.)
- Cameron, William, assignor to Cameron Can Machinery Co., Chicago, Ill. Can-seaming machine. No. 1,406,724; Feb. 14.
- Campbell, Bert L., Chicago, Ill. Hydrometer. No. 1,406,342; Feb. 14.
- Campbell, Peter, Bristol, and W. J. Banks, Hotwells, Bristol, England. Piston, piston valve or the like. No. 1,406,536; Feb. 14.
- Canfield, Dany D., Nashville, Tenn. Feeding device for flat-work ironers. No. 1,406,823; Feb. 14.
- Canion Air Brake Company. (See Canion, William G., assignor.)
- Canion, William G., Glen Burnie, Md., assignor to Canion Air Brake Company, Bisbee, Ariz. Triple valve. No. 1,406,609; Feb. 14.
- Cantelo, John S., Boston, Mass. Caster. No. 1,406,930; Feb. 14.
- Capen Belting and Rubber Company. (See King, Charles E., assignor.)
- Carden, Harry F., assignor to L. W. Carden, Lawrenceburg, Tenn. Cattle guard. No. 1,406,343; Feb. 14.
- Carden, Luther W. (See Carden, Harry F., assignor.)
- Carr, James H., and M. A. Powers, Winchester, Mass. Lock nut. No. 1,406,169; Feb. 14.
- Casello, Joseph. (See Currie, Thomas D., assignor.)
- Cassell, Oscar R., New York, N. Y. Flying machine. No. 1,406,344; Feb. 14.

- Chadeloid Chemical Company. (See Ellis, Carleton, assignor.)
- Channell, Charles A., Chicago, Ill., assignor to Channell Chemical Company. Floor mop. No. 1,406,810; Feb. 14.
- Channell Chemical Company. (See Channell, Charles A., assignor.)
- Charlton, Thomas, Chicago, Ill. Apparatus for making food products. No. 1,406,170; Feb. 14.
- Chase, Clarence E., Harlan, Ky. Arch supporter. No. 1,406,957; Feb. 14.
- Chelena, Vincent, Atlanta, Ga. Check guard. No. 1,406,611; Feb. 14.
- Chelsea Ship Repair Co. (See Fackert, Harry M., assignor.)
- Chicago Cabinet Lock Co. (See Mantanel, August, assignor.)
- Chicago Railway Equipment Company. (See Williams, Charles H., assignor.)
- Childs, William L., assignor to Hughes Tool Company, Houston, Tex. Drill bit. No. 1,406,931; Feb. 14.
- Choate, William E., Hamilton, Mass., assignor, by mesne assignments, to Federal Finance Corporation. Machine for marking articles. No. 1,406,537; Feb. 14.
- Choate, William E., Hamilton, Mass., assignor, by mesne assignments, to Federal Finance Corporation. Agency for embellishing surfaces. No. 1,406,538; Feb. 14.
- Christensen, Jens P. (See Petty, William E., assignor.)
- Christlieb, Benjamin H., Fullerton, Calif. Luggage and baggage carrying apparatus. No. 1,406,539; Feb. 14.
- Chriswell, Frederick W., assignor to Pacific Car & Foundry Co., Seattle, Wash. Railway car. No. 1,406,345; Feb. 14.
- Chryst, William A., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Electric switch. No. 1,406,171; Feb. 14.
- Chryst, William A., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Engine-starting system. No. 1,406,172; Feb. 14.
- Clark, Earle A., Tulsa, Okla. Gas burner for well-drilling forges. No. 1,406,346; Feb. 14.
- Clark, Elizabeth B., executrix. (See Clark, Melville, assignor.)
- Clark, Melville, deceased, by E. B. Clark, executrix, Chicago, Ill., assignor to The Apollo Piano Company, De Kalb, Ill. Combined piano and phonograph. No. 1,406,441; Feb. 14.
- Clark, Melville A., Syracuse, N. Y. Harp. No. 1,406,347; Feb. 14.
- Clay, William H., Eustis, Fla. Bow-facing oar. No. 1,406,932; Feb. 14.
- Cobb, Albert B., assignor to Cobb Electric Appliance Company, Boston, Mass. Pressure-operated switch. No. 1,406,613; Feb. 14.
- Cobb Electric Appliance Company. (See Cobb, Albert B., assignor.)
- Coenen, Edouard, Forest, Belgium. Screw-cutting head. No. 1,406,540; Feb. 14.
- Cohen, Louis, Washington, D. C. Radio receiving system. No. 1,406,442; Feb. 14.
- Cohn, Alexander B., New York, N. Y. Driving mechanism for sewing machines. No. 1,406,933; Feb. 14.
- Cohn-Hall-Marx Company. (See Domber, Joseph, assignor.)
- Collins, John W. (See Holliman, R. L., and Collins.)
- Connell, Joseph P., Jersey City, N. J., assignor to Manhattan Briar Pipe Company, Brooklyn, N. Y. Label. No. 1,406,541; Feb. 14.
- Cook, Cleve A. (See Cook, Clifford S. and C. A.)
- Cook, Clifford S. and C. A., Sand Lake, Mich. Hose clamp. No. 1,406,443; Feb. 14.
- Corby, Sydney F. (See Doulton, H. L., Corby, and Pleace.)
- Corkell, Thomas W., Chicago, Ill. Regulator for gas-heater burners. No. 1,406,614; Feb. 14.
- Cornell, Milton L. (See Weill, M. K., and Cornell.)
- Corrigan, Clyde S., New York, N. Y. Control bracket gear for deep-well enlarging and cistern-making machines. No. 1,406,351; Feb. 14.
- Corrigan, Clyde S., Norwood, Ohio. Deep-well enlarging and cistern-making machine. No. 1,406,349; Feb. 14.
- Corrigan, Clyde S., Norwood, Ohio. Deep-well reamer. No. 1,406,348; Feb. 14.
- Corrigan, Clyde S., Norwood, Ohio. Holding device for deep-well machines. No. 1,406,350; Feb. 14.
- Cowell, John E., Crest, Colo. Shade roller. No. 1,406,934; Feb. 14.
- Crane, George A., Chicago, Ill. Power-transmitting apparatus. No. 1,406,444; Feb. 14.
- Crane, Henry M., New York, N. Y. Vehicle spring suspension. No. 1,406,935; Feb. 14.
- Crawford, William H., Los Angeles, Calif. Cable-way excavator. No. 1,406,725; Feb. 14.
- Crispin, Howard S., Thermopolis, Wyo. Governor for water-driven motors. No. 1,406,936; Feb. 14.
- Crocker, Irving S., Lynn, Mass., assignor to General Electric Company. Electrode. No. 1,406,542; Feb. 14.
- Cronan, Joseph, Rose Creek, Minn. Alarm. No. 1,406,937; Feb. 14.
- Crouch, Archer P. (See Mote, Sydney C., assignor.)
- Crow, Thomas. (See Scott, Douglas W., assignor.)
- Culver, Charles A., Beloit, Wis. Photographic receiving apparatus. No. 1,406,445; Feb. 14.
- Cummings, Charles A., assignor to Battle Creek Box Company, Battle Creek, Mich. Crating or packing means. No. 1,406,615; Feb. 14.
- Cunningham, John J., Glens Falls, N. Y. Producing wood flour. No. 1,406,938; Feb. 14.
- Cupples, Samuel, Envelope Company, et al. (See Levine, Harry, assignor.)
- Currie, Thomas D., assignor to J. Casello, Port Huron, Mich. Disk-record shipper. No. 1,406,939; Feb. 14.
- Curtiss Aeroplane and Motor Corporation. (See Dalton, Nelson W., assignor.)
- Curtiss Aeroplane and Motor Corporation. (See Meade, Joseph F., assignor.)
- Curtiss Aeroplane & Motor Corporation. (See Zahm, Albert F., assignor.)
- Cusack, Thos., Company. (See Ehnborn, Charles B., assignor.)
- Custer, Peter A., Jacksonville, Fla. Differential. No. 1,406,446; Feb. 14.
- Cutts, John, and W. C. Gillott, Nottingham, England. Fluid-pressure gauge. No. 1,406,616; Feb. 14.
- Dalton, Nelson W., Garden City, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Control for aircraft. No. 1,406,617; Feb. 14.
- Darrow, Clarence E., Miami, Fla. Swimming device. No. 1,406,940; Feb. 14.
- Davenport, Arthur L., Highland Park, Mich. Means for creating records of data. No. 1,406,941; Feb. 14.
- Davis, Daniel W., assignor of one-half to W. T. Hall, Oskaloosa, Iowa. Churn. No. 1,406,543; Feb. 14.
- Davis, Harry B., assignor of one-fourth to Dr. B. H. Ker-shaw and one-fourth to M. L. Whitney, Chicago, Ill. Composition of matter for deadening partitions, floors, and the like. No. 1,406,618; Feb. 14.
- Davitt, William F., Manchester, N. H. Picker stick. No. 1,406,544; Feb. 14.
- Dayton Engineering Laboratories Company, The. (See Chryst, William A., assignor.)
- Dayton Engineering Laboratories Company, The. (See Haas, Nelson R., assignor.)
- Dayton Engineering Laboratories Company, The. (See Hunt, John H., assignor.)
- Dayton Engineering Laboratories Company, The. (See O'Brien, W. L., and Spencer, assignors.)
- Dazey Churn and Manufacturing Company. (See Dazey, Nathan P., assignor.)
- Dazey, Nathan P., assignor to Dazey Churn and Manufacturing Company, St. Louis, Mo. Churn. No. 1,406,619; Feb. 14.
- Dean, Tullie, Mauckport, Ind. Silo. No. 1,406,942; Feb. 14.
- Dear, Luke C., Butte, Mont. Gun sight. No. 1,406,620; Feb. 14.
- Demmler, Paul E., Pittsburgh, Pa., assignor to Westing-house Electric & Manufacturing Company. Thermostat. No. 1,406,352; Feb. 14.
- Dennis, Alva L., Detroit, Mich. Flange wrench. No. 1,406,824; Feb. 14.
- De Sveshnikoff, Woldemar, Washington, D. C. Recovering waste nitric fumes. No. 1,406,353; Feb. 14.
- Detrick, Frank G. (See Detrick, Guy, assignor.)
- Detrick, Guy, assignor of one-half to F. G. Detrick, Ada, Ohio. Chart for teaching universal history. No. 1,406,173; Feb. 14.
- Detroit Pressed Steel Company. (See Putnam, Alden L., assignor.)
- Diamond Match Company, The. (See Fairburn, William A., assignor.)
- Dice, Samuel H., Newark, N. J. Soldering tool or implement. No. 1,406,621; Feb. 14.
- Dickinson, Samuel R., et al. (See Ghegan, Harry G., assignor.)
- Dillon, William C., Fort Dodge, Iowa, C. J. Toay, Avalon, Pa., W. H. Toay, Des Moines, and A. Haney, Fort Dodge; said Dillon assignor to A. B. Roderick, Des Moines, Iowa. Cash-drawer burglar alarm. No. 1,406,447; Feb. 14.
- Dobson, John A., Goose Creek, Tex. Oil-well screen. No. 1,406,825; Feb. 14.
- Dobson, William, Rockford, Ill. Means of addressing an audience. No. 1,406,726; Feb. 14.
- Dochnal, Mathias, St. Louis, Mo. Open-end hollow tile for wall structures. No. 1,406,354; Feb. 14.
- Doman, Albert E., assignor to Dyneto Electric Company, Syracuse, N. Y. Commutator. No. 1,406,448; Feb. 14.
- Domber, Joseph, assignor to Cohn-Hall-Marx Company, New York, N. Y. Display card. No. 1,406,944; Feb. 14.
- Donauer, Max, assignor to The Elyria Enamelled Products Company, Elyria, Ohio. Agitating mechanism. No. 1,406,355; Feb. 14.
- Donlin, John J., New York, N. Y. Hat guard. No. 1,406,622; Feb. 14.
- Donnellan, Edward P., Brooklyn, N. Y., assignor, by mesne assignments, to Standard-Johnson Co. Inc. Wrapper-holding mechanism for coin-counting machines. No. 1,406,623; Feb. 14.
- Doughty, Henry J. (See Atcheson, Robert H., assignor.)
- Douglass, Napoleon B., Oakland, Calif. Forming hinge joints. No. 1,406,727; Feb. 14.
- Doulton, Henry L., S. F. Corby, and R. J. Pleace, London, England. Water silencer. No. 1,406,943; Feb. 14.
- Dow Chemical Company, The. (See Dow, Herbert H., assignor.)
- Dow Chemical Company, The. (See Putnam, M. E., and Kirst, assignors.)
- Dow, Herbert H., assignor to The Dow Chemical Company, Midland, Mich. Method of and apparatus for extracting bromine. No. 1,406,624; Feb. 14.

- Dugger, Thomas O., Bridgeport, Nebr. Detachable handle for cooking utensils. No. 1,406,826; Feb. 14.
- Dumas, Allie W., assignor of one-half to J. Schober, Fort Worth, Tex. Belt gun rest. No. 1,406,827; Feb. 14.
- Dunlap, Joseph H., and K. B. Kilborn, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Stream-line shield. No. 1,406,945; Feb. 14.
- Duran, Arturo, San Antonio, Tex. Safety apparatus. No. 1,406,625; Feb. 14.
- Durand Steel Locker Company. (See Vance, Walter N., assignor.)
- Duralex Company, The. (See Wilson, John A., assignor.)
- Dyer, Harry W., East Orange, N. J., assignor to R. T. Newton, New York, N. Y. Automobile fender. No. 1,406,828; Feb. 14.
- Dyneto Electric Company. (See Doman, Albert E., assignor.)
- Eastly, Henry D., Ravenswood, W. Va. Flying machine. No. 1,406,545; Feb. 14.
- Ecks, John. (See Norris, A. E., and Ecks.)
- Eddy, Albert H., Cranston, assignor to Payton & Kelly Co., Providence, R. I. Belt buckle. No. 1,406,449; Feb. 14.
- Edwards, William H., Grand Rapids, Mich. Expandable and contractable leaf-binder and covering member therefor. No. 1,406,829; Feb. 14.
- Ehnborn, Charles B., Glen Ellyn, assignor to Thos. Cusack Company, Chicago, Ill. Illuminated sign. No. 1,406,626; Feb. 14.
- Ehrhart, Raymond N., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Co. Condenser. No. 1,406,356; Feb. 14.
- Eickhoff, Theodore H., Cleveland, Ohio., assignor to Auto-Ordnance Corporation, New York, N. Y. Breech closure for guns. No. 1,406,546; Feb. 14.
- Eller, Owen H., Philadelphia, Pa. Hay loader. No. 1,406,946; Feb. 14.
- Elbertz, Frank V., Kokomo, Ind., assignor of one-fourth to A. Bache, Detroit, Mich. Variable-leverage gearing. No. 1,406,627; Feb. 14.
- Elliott, Clinton, New York, N. Y. Coating candies. No. 1,406,628; Feb. 14.
- Elliott, James P., deceased, Oak Park, Ill. M. B. Elliott executrix. Making insulating and brine and waterproof material. No. 1,406,174; Feb. 14.
- Elliott, Mary B., executrix. (See Elliott, James P.)
- Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company. Paint and varnish remover. No. 1,406,175; Feb. 14.
- Ellis, George R., Cincinnati, Ohio. Heel-breast shank-sanding device. No. 1,406,357; Feb. 14.
- Elkin, Louis, Chicago, Ill. Binder. No. 1,406,450; Feb. 14.
- Elvers, Hans C., assignor to Gisholt Machine Company, Madison, Wis. Chuck. No. 1,406,451; Feb. 14.
- Elyria Enameled Products Company, The. (See Donauer, Max, assignor.)
- Erickson, John S., Waukegan, Ill. Combination lock. No. 1,406,629; Feb. 14.
- Etzenhouser, Fred H., Mount Washington, Mo. Self-cleaning drain valve. No. 1,406,830; Feb. 14.
- Eustis, J. P., Manufacturing Company. (See Watson, W. A., and Eustis, assignors.)
- Eustis, Warner. (See Watson, W. A., and Eustis.)
- Evans, Frank R., Zanesville, Ohio. Strip-cutting machine. No. 1,406,947; Feb. 14.
- Evans, Frank R., Zanesville, Ohio. Cloth-printing machine. No. 1,406,948; Feb. 14.
- Evans, Henry T., Manhasset, N. Y. Resilient wheel. No. 1,406,949; Feb. 14.
- Evans, Louis M., and G. W. Steinmann, Washington, D. C. Flash lamp. No. 1,406,452; Feb. 14.
- Fackert, Harry M., Hillside, N. J., assignor to Chelsea Ship Repair Co. Inc., New York, N. Y. Waste-fuel-oil-salvaging barge. No. 1,406,950; Feb. 14.
- Fairburn, William A., Morristown, N. J., assignor to The Diamond Match Company, Chicago, Ill. Treating match compositions and the product thereof. No. 1,406,176; Feb. 14.
- Falcon, Leonard G., Lucindale, South Australia, Australia. Pulley-belt fastener. No. 1,406,831; Feb. 14.
- Falley, Lewis H., Kansas City, Mo. Separating and classifying apparatus. No. 1,406,177; Feb. 14.
- Fanning, Walter F., Providence, R. I. Shock absorber for crutches and the like. No. 1,406,453; Feb. 14.
- Faust, Edwin S., Basel, Switzerland. Derivatives of camphoric acid. No. 1,406,547; Feb. 14.
- Federal Finance Corporation. (See Choate, William E., assignor.)
- Federal Motor Truck Company. (See Knowles, George F., assignor.)
- Fehr, Frank, Louisville, Ky. Elevator-hatchway seal. No. 1,406,951; Feb. 14.
- Ferguson, George, Wollaston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for producing rubber soles. No. 1,406,358; Feb. 14.
- Fernández, Louis Z., San Antonio, Tex. Flash lamp. No. 1,406,832; Feb. 14.
- Finley, Charles A., Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y. Device for translating the effects of sound vibrations into variations in an electrical circuit. No. 1,406,833; Feb. 14.
- Finsterbusch, Franz, Charlottenburg, near Berlin, Germany. Induced-draft plant. No. 1,406,952; Feb. 14.
- Fisher, Clarence B., Chicago, Ill. Bait. No. 1,406,834; Feb. 14.
- Fisher, William G., Sunbury, Pa. Shuttle guards for looms. No. 1,406,835; Feb. 14.
- Fitch, Harry H., and E. W. Miller, Orange, Va. Hub appliance for motor vehicles. No. 1,406,836; Feb. 14.
- Fitzgerald, Frederick C., London, England. Lithographic ink composition. No. 1,406,837; Feb. 14.
- Fitzgerald, Harold G., Pasadena, Calif. Searchlight. No. 1,406,548; Feb. 14.
- Flaherty, Mike B., assignor of one-half to J. L. Sober, Steubenville, Ohio. Tire. No. 1,406,630; Feb. 14.
- Fleischer, Paul W., assignor to American Can Company, West Hoboken, N. J. Filled-can-closing machine. No. 1,406,631; Feb. 14.
- Fleming, Wills M., Holyoke, and N. E. Brigham, South Hadley Falls, Mass., assignors to Worthington Pump and Machinery Corporation, New York, N. Y. Pump. No. 1,406,178; Feb. 14.
- Flintermann, Gerhard G. C., New York, N. Y. Wheel rack and lift. No. 1,406,632; Feb. 14.
- Flynn, Lewis H., et al. (See Bolenbaugh, Burton R., C., R. S., and Long, assignors.)
- Ford, Arthur P., Stoke-upon-Trent, England. Miner's electric safety lamp. No. 1,406,359; Feb. 14.
- Ford, Charles A., East Orange, N. J. Snap for jewelry. No. 1,406,179; Feb. 14.
- Ford, Henry, & Son, Inc. (See Sorensen, Charles E., assignor.)
- Forshee, Frank F., Flint, Mich., assignor to Westinghouse Electric Products Company. Flexible water heater. No. 1,406,360; Feb. 14.
- Forsyth, George T., St. Paul, Minn. Universal joint. No. 1,406,361; Feb. 14.
- Foss, Ernest G., Rock Hill, N. Y. Brush handle. No. 1,406,841; Feb. 14.
- Fossa, Joseph, New York, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. No. 1,406,180; Feb. 14.
- Foster Machine Company. (See McKean, John O., assignor.)
- Fowler, Walter C., Trenton, N. J. Pencil. No. 1,406,362; Feb. 14.
- Fox, George E., Chicago, Ill. Desk pad. No. 1,406,838; Feb. 14.
- Franklin Railway Supply Company. (See Martin, Frederick W., assignor.)
- Franklin, Walter H., Mount Vernon, assignor to Railway Safety Switch Lock Company, Seattle, Wash. Lock for switch stands. No. 1,406,363; Feb. 14.
- Frederick, Louis T., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Propeller. No. 1,406,364; Feb. 14.
- Frederick, Louis T., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Propeller. No. 1,406,365; Feb. 14.
- Fredericksen, John C., Miller, Ind. Internal-combustion engine. No. 1,406,839; Feb. 14.
- Freeman, John M., Hickory, N. C. Filling-grate-clearing means for looms. No. 1,406,840; Feb. 14.
- Frisch, Alexander. (See Amoroso, Silvio, assignor.)
- Frisk, Enos C., Somerset, Wis. Aerial bomb. No. 1,406,633; Feb. 14.
- Frost, Robert J., Clayton, Victoria, Australia. Electric water heater. No. 1,406,181; Feb. 14.
- Funk, Captain P., Wooster, Ohio. Drain tile. No. 1,406,182; Feb. 14.
- Fynn, Valere A., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Alternating-current motor. No. 1,406,366; Feb. 14.
- Fynn, Valere A., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Alternating-current motor. No. 1,406,367; Feb. 14.
- G & J Tire Company. (See McRoberts, Donal C., assignor.)
- Galion Iron Works & Mfg. Co., The. (See Arndt, Franklin E., assignor.)
- Gallagher, William M., Fort Smith, Ark. Kitchen cabinet. No. 1,406,368; Feb. 14.
- Garner Gin Company, The. (See Garner, James C., assignor.)
- Garner, James C., assignor, by mesne assignments, to The Garner Gin Company, Inc., Houston, Tex. Pneumatic roller gin. No. 1,406,634; Feb. 14.
- Garner, James C., assignor, by mesne assignments, to The Garner Gin Company, Inc., Houston, Tex. Pneumatic disk gin. No. 1,406,635; Feb. 14.
- Garner, James C., assignor, by mesne assignments, to The Garner Gin Company, Inc., Houston, Tex. Seed cleaner. No. 1,406,636; Feb. 14.
- Gaskin, Robert J., and H. M. Tarras, Toronto, Ontario, Canada; said Tarras assignor of one-sixth of his interest to said Gaskin. Evaporative refrigerator. No. 1,406,842; Feb. 14.
- Gathmann, Monte B., Shelbyville, assignor to A. Vonnegut, Indianapolis, Ind. Cutter-head spindle for planers and molders. No. 1,406,843; Feb. 14.
- Gaucher, Albertine, (née Albertine Cerré,) executrix. (See Gaucher, Joseph T. A.)
- Gaucher, Joseph T. A., deceased, by A. Gaucher, (née Albertine Cerré,) executrix, Montreal, Quebec, Canada. Electric clock. No. 1,406,549; Feb. 14.

- Geisenhöner, Henry, Schenectady, N. Y., assignor to General Electric Company. Electrical heating apparatus. No. 1,406,550; Feb. 14.
- Geisenhöner, Henry, Schenectady, N. Y., assignor to General Electric Company. Electrical heating apparatus. No. 1,406,551; Feb. 14.
- Gelm, George E., Jamestown, N. Y. Torpedo for blasting purposes. No. 1,406,844; Feb. 14.
- General Electric Company. (See Crocker, Irving S., assignor.)
- General Electric Company. (See Geisenhöner, Henry, assignor.)
- General Electric Company. (See Shand, Robert, assignor.)
- General Electric Company. (See Tuttle, James N., assignor.)
- General Optical Company. (See Wittel, Otto, assignor.)
- General Motors Corporation. (See Seaholm, Ernest W., assignor.)
- General Motors Company. (See Short, Charles R., assignor.)
- General Motors Corporation. (See Sturt, Alfred T., assignor.)
- General Motors Corporation. (See Sturt, A. T., and Whitacre, assignor.)
- General Motors Corporation. (See Whitten, Frank A., assignor.)
- General Phonograph Manufacturing Company, The. (See Valiquet, Louis P., assignor.)
- George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Gas producer. No. 1,406,637; Feb. 14.
- Gerbehaye, Jules, Tirimont, Belgium. Typewriting machine. No. 1,406,845; Feb. 14.
- Germond, Henry S., Jr., Bayonne, assignor to Revolver Company, Jersey City, N. J. Portable elevator. No. 1,406,638; Feb. 14.
- Ghegan, Harry G., assignor of one-third to S. R. Dickinson, Camden, N. J. and one-third to M. M. Katz, Philadelphia, Pa. Solvent for printers' inks. No. 1,406,183; Feb. 14.
- Gillott, William C. (See Cutts, J., and Gillott.)
- Gioiosa, Joseph, East Milton, Mass. Torpedo. No. 1,406,369; Feb. 14.
- Gisholt Machine Company. (See Elvers, Hans C., assignor.)
- Glass, P. R. Company. (See Glass, Perley R., assignor.)
- Glass, Perley R., Brookline, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-covering trimming apparatus. No. 1,406,370; Feb. 14.
- Glass, Perley R., Wayland, assignor to P. R. Glass Company, Boston, Mass. Folding machine. No. 1,406,371; Feb. 14.
- Gleason, Francis J., St. Johnsbury, Vt. Wire stretcher. No. 1,406,846; Feb. 14.
- Goddard, Walter T., Hamilton, Ontario, Canada, assignor, by mesne assignments, to Locke Insulator Corporation, Baltimore, Md. Strain insulator. No. 1,406,953; Feb. 14.
- Godi Di Godio, Alberto. (See Longan y Senan, Emilio, assignor.)
- Goldman, Rutherford G., Los Angeles, Calif. Lubricating system. No. 1,406,847; Feb. 14.
- Goldsmith, Joseph, Jr., Chicago, Ill. Hair-curling device. No. 1,406,639; Feb. 14.
- Goldsmith, Orvie, Millerton, N. Y. Caution device for automobiles. No. 1,406,848; Feb. 14.
- Goodyear Tire & Rubber Company, The. (See Dunlap, J. H., and Kilborn, assignors.)
- Goodyear Tire & Rubber Company. (See Harsel, William B., assignor.)
- Goodrich, B. F. Company, The. (See Kuentzel, Curt, assignor.) (Reissue.)
- Goodyear Tire & Rubber Company, The. (See Redford, C. W., and Sibley, assignors.)
- Gorrie, James A., Auckland, New Zealand. Apparatus for splitting logs and the like. No. 1,406,552; Feb. 14.
- Government of the United States. (See Orr, Henry A., assignor.)
- Graham, Willie, New Orleans, La. Reinforced concrete tie. No. 1,406,454; Feb. 14.
- Gram, Martin F. (See Gram, William A. and M. F.)
- Gram, William A. and M. F. Welland, Ontario, Canada. Expandable core for vulcanizing tires. No. 1,406,640; Feb. 14.
- Graphoscope Development Company. (See White, Joseph R., assignor.)
- Grapp, Albert E., Minneapolis, Minn. Electric oven. No. 1,406,372; Feb. 14.
- Greaves, Abilio M. de S., Cambridge, Mass. Thermoelectric alarm. No. 1,406,553; Feb. 14.
- Greeley, James T., Nashua, N. H. Clinical thermometer holder. No. 1,406,373; Feb. 14.
- Green, Elmer E., assignor, by mesne assignments, of one-half to P. E. Michael, Frederick, Md. Running board and fender support for automobiles. No. 1,406,728; Feb. 14.
- Greimann Ditcher Company. (See Greimann, George H., assignor.)
- Greimann, George H., assignor to Greimann Ditcher Company, Garner, Iowa. Cleaning device for excavators. No. 1,406,849; Feb. 14.
- Griffin, Michael J., Hartford, Conn. Calk. No. 1,406,374; Feb. 14.
- Guenzel, Ernest J., Milwaukee, Wis. Hair curler. No. 1,406,375; Feb. 14.
- Gusmer, Aage, West End, N. J. Clarifying fruit juices. No. 1,406,554; Feb. 14.
- Haas, Nelson R., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Armature for dynamo-electric machines. No. 1,406,184; Feb. 14.
- Hadaway, William S., Jr., New Rochelle, N. Y. Electric stove or heater. No. 1,406,850; Feb. 14.
- Hadaway, William S., Jr., New Rochelle, N. Y. Electric stove or furnace. No. 1,406,851; Feb. 14.
- Haden, Charles I. (See Haden, William N. and C. I.)
- Haden, William N. and C. I., Trowbridge, England. Heating and cooling of buildings. No. 1,406,852; Feb. 14.
- Hahn, Samuel O., Pueblo, Colo. Single-tube tire. No. 1,406,555; Feb. 14.
- Hallander, Samuel, Vancouver, British Columbia, Canada. Vertical boiler. No. 1,406,729; Feb. 14.
- Hall, William T. (See Davis, Daniel W., assignor.)
- Halvorsen, Birger F., assignor to Norsk Hydro-Elektrisk Kvaestofaktieselskab, Christiania, Norway. Ammonium-nitrate fertilizer. No. 1,406,455; Feb. 14.
- Hammel, Esther S. (See Hammel, Walter F., assignor.)
- Hammel, Walter F., assignor to E. S. Hammel, Chicago, Ill. Safety envelope. No. 1,406,456; Feb. 14.
- Haney, Archie. (See Dillon, W. C., Toay, and Haney.)
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Shot bit. No. 1,406,185; Feb. 14.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Casing-cutting tool. No. 1,406,853; Feb. 14.
- Hardy, Emery E., Brooklyn, N. Y. Roller skate. No. 1,406,641; Feb. 14.
- Hardy, Emery E., Brooklyn, N. Y. Roller skate. No. 1,406,642; Feb. 14.
- Hardy, Emery E., Brooklyn, N. Y. Roller skate. No. 1,406,643; Feb. 14.
- Hardy, Emery E., Brooklyn, N. Y. Roller skate. No. 1,406,644; Feb. 14.
- Harsel, William B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Apparatus for making tire beads. No. 1,406,855; Feb. 14.
- Harshman, Clyde. (See Britten, William M., assignor.)
- Harvey, Albert L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. No. 1,406,376; Feb. 14.
- Harvey, Albert L., Braddock Township, Allegheny County, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. No. 1,406,377; Feb. 14.
- Hasselquist, Hugo S., assignor to Autopoint Pencil Company, Chicago, Ill. Pocket clip. No. 1,406,378; Feb. 14.
- Hastings, Robert B., Pittsburgh, Pa. Automobile lock. No. 1,406,854; Feb. 14.
- Hatch, Arthur G., Duluth, Minn. Saddle for reenforcing bars. No. 1,406,379; Feb. 14.
- Hatch, Arthur G., Duluth, Minn. Rolling apparatus for making building blocks. No. 1,406,856; Feb. 14.
- Haven, Walter S., Racine, Wis. Steam or vapor heating system. No. 1,406,556; Feb. 14.
- Hayes, Stanley W., Richmond, Ind. Operating stand for track appliances. No. 1,406,557; Feb. 14.
- Hayford, Eugene, Spokane, Wash. Road grader and packer. No. 1,406,558; Feb. 14.
- Heany, John A., New York, N. Y. Incandescent electric lamp. No. 1,406,645; Feb. 14.
- Heany, John A., New Haven, Conn. Molding. No. 1,406,730; Feb. 14.
- Heard, James B., San Antonio, Tex. System of electric-circuit control. No. 1,406,731; Feb. 14.
- Heath, Wilfrid P., Chicago, Ill., and R. M. Washburn, St. Paul, Minn. Process of and means for putting up powdered milk and other food products in a sterile atmosphere. No. 1,406,380; Feb. 14.
- Heath, Wilfrid P., Chicago, Ill., and R. M. Washburn, St. Paul, Minn. Manufacturing powdered milk and other food products. No. 1,406,381; Feb. 14.
- Heising, Raymond A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wireless signaling. No. 1,406,857; Feb. 14.
- Holies, Frank B., Elizabeth, N. J. Lock and shield for foot mats. No. 1,406,186; Feb. 14.
- Henricks, Garrett W., Indianapolis, Ind., assignor of two-thirds to G. F. Kreitlein, Los Angeles, Calif. Vacuum spark amplifier. No. 1,406,858; Feb. 14.
- Herditchka, Lester J., Humboldt, Nebr. Power posthole auger. No. 1,406,187; Feb. 14.
- Herring, Paul S., Chicago, Ill. Pump. No. 1,406,859; Feb. 14.
- Herterich, William F., and W. G. Neuback, New York, N. Y. Illuminated sign. No. 1,406,646; Feb. 14.
- Hescock, Ethan N., Westfield, N. J., and E. F. Smith, Woodhaven, N. Y., assignors, to New Jersey Foundry & Machine Company. Portable elevator. No. 1,406,860; Feb. 14.
- Hescock, Ethan N., Westfield and E. F. Smith, Elizabeth, N. J., assignors to New Jersey Foundry & Machine Company. Portable elevator. No. 1,406,861; Feb. 14.
- Hicks, William D., Inglewood, Calif. Lath board and making the same. No. 1,406,188; Feb. 14.
- Higel, Otto, New York, N. Y. Piano-action bracket. No. 1,406,382; Feb. 14.
- Hillmann, Charles and F. Siems, Runge, Tex. Cotton cleaner and separator. No. 1,406,559; Feb. 14.

- Himmelright, Raleigh J., Englewood, and A. H. Willett, West New York, N. J. Fire-pan construction for oil-burning fire boxes. No. 1,406,732; Feb. 14.
- Hinz, Leo, Perth Amboy, N. J. Toy. No. 1,406,733; Feb. 14.
- Hobart Manufacturing Company, The. (See Rataiczak, Thomas F., assignor.)
- Hodge, Mary E., Wenona, Ill. Apron dress. No. 1,406,862; Feb. 14.
- Hodges, Frederick F., Kalamazoo, Mich. Flame and trace connection. No. 1,406,735; Feb. 14.
- Hodgkins, Charles H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. No. 1,406,883; Feb. 14.
- Hoffman, Edward J., Cedar Rapids, Iowa. Pencil. No. 1,406,736; Feb. 14.
- Hoffman, Samuel, J. Schwartz, and I. Holden, New York, N. Y. Drawing instrument. No. 1,406,863; Feb. 14.
- Holden, Isidore. (See Hoffman, S., Schwartz, and Holden.)
- Holler, Homer D. (See Vinal, G. W., and Holler.)
- Holliman, Robert L., and J. W. Collins, Valdosta, Ga. Driver for disk talking machines. No. 1,406,864; Feb. 14.
- Holmberg, Johan O., Quincy, Mass. Machine for bending metal. No. 1,406,384; Feb. 14.
- Hooker, Walter P., Salisbury, N. C. Sewerage disposal tank. No. 1,406,385; Feb. 14.
- Hopkins, Richard M., Rutherford, assignor to American District Telegraph Company, Jersey City, N. J. Signal transmitter. No. 1,406,865; Feb. 14.
- Hoppin, William M., Sharon Hill, Pa. Crushing machine. No. 1,406,189; Feb. 14.
- Houghton, Willard, Seattle, Wash. Sheave block. No. 1,406,560; Feb. 14.
- Houston, Edward R., Belleville, Ill. Ironing table. No. 1,406,386; Feb. 14.
- Horn, Guido, Berlin-Weissensee, Germany. Milling machine. No. 1,406,866; Feb. 14.
- Hottmann, Charles W., Jr., Sandusky, Ohio. Mixer. No. 1,406,457; Feb. 14.
- Howard, James L., assignor to The Travelers Insurance Company, Hartford, Conn. Business form. No. 1,406,561; Feb. 14.
- Howarth, Mark, Padgate, Warrington, England. Means for drawing wire and rod. No. 1,406,867; Feb. 14.
- Hoy, Howard L., San Miguel, Calif. Convertible porch hammock and bedstead. No. 1,406,737; Feb. 14.
- Hrab, Michael, Syracuse, N. Y. Wire-cutting device for guns. No. 1,406,387; Feb. 14.
- Hruby, Thomas J., Chicago, Ill. Traction-wheel lug. No. 1,406,562; Feb. 14.
- Hughes, Charles B., New Orleans, La. Medical appliance. No. 1,406,738; Feb. 14.
- Hughes Tool Company. (See Childs, William L., assignor.)
- Hunt, John H., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Ignition system. No. 1,406,190; Feb. 14.
- Hunt, Lloyd R., Lexington, N. C. Shock absorber for automobiles. No. 1,406,388; Feb. 14.
- Hurley, Joseph C., assignor to Petroleum Fuel Engineering Company, Philadelphia, Pa. Hydrocarbon burner. No. 1,406,739; Feb. 14.
- Iaco Brothers. (See Tubbs, Earl D., assignor.)
- Illinois Mechanical Leather Co. (See Vedovell, Rudolph J., assignor.)
- Ingersoll-Rand Company. (See Bancel, Paul A., assignor.)
- Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
- Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
- Ingersoll-Rand Company. (See Smith, William A., assignor.)
- Ingols, Frank W., Chicago, Ill. Headlight. No. 1,406,648; Feb. 14.
- Irving, Robert H., Gramercy, La. Fuel valve. No. 1,406,191; Feb. 14.
- Jacobson, Sidney D., New York, N. Y. Attaching means for anti-skidding devices. No. 1,406,458; Feb. 14.
- Jaeger, William, Philadelphia, Pa. Snap shade holder for electric sockets. No. 1,406,649; Feb. 14.
- James, Henry D., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Controller. No. 1,406,389; Feb. 14.
- Jasgur, Samuel, New York, N. Y. Fabric-fastening device. No. 1,406,390; Feb. 14.
- Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)
- Jensen, Julian B., Alameda, Calif. Pump. No. 1,406,868; Feb. 14.
- Jessup, George W., Jr., Newton, Mass. Internal-combustion engine. No. 1,406,391; Feb. 14.
- Jessup, Leo B., et al. (See Kight, William K., assignor.)
- Jester, Daniel C., Coleman, Ga. Valve. No. 1,406,869; Feb. 14.
- Jinks, William H., et al. (See Kight, William K., assignor.)
- Jobski, Otto H., assignor to The Standard Parts Company, Cleveland, Ohio. Wheel. No. 1,406,392; Feb. 14.
- John, George W. (See Booth, Lemuel E., assignor.)
- Johnson, Bernard F., Jersey City, N. J. Attachment for milling machines. No. 1,406,870; Feb. 14.
- Johnson, Louis V., Fort Worth, Tex. Device for boring engine cylinders. No. 1,406,871; Feb. 14.
- Johnson, Robert G., Los Angeles, Calif. Sheet-music holder. No. 1,406,872; Feb. 14.
- Johnson, Rolly A., Los Angeles, Calif. Chain-link assembler. No. 1,406,740; Feb. 14.
- Johnston, Howard H., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resistor. No. 1,406,393; Feb. 14.
- Jones, John B., Atlantic City, N. J. Separating material for molds. No. 1,406,651; Feb. 14.
- Jones, Joseph W., New York, N. Y. Spring motor. No. 1,406,650; Feb. 14.
- Jones, Paul T., New York, N. Y. Rail brace. No. 1,406,652; Feb. 14.
- Jorgensen, Bernhardt, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers to lasts. No. 1,406,260; Feb. 14.
- Jucker, Ernst, Zurich, Switzerland. Typewriting machine. No. 1,406,873; Feb. 14.
- Julian, Edgar C., Elwood, Ind. Rubber-boot repairer. No. 1,406,261; Feb. 14.
- Junkin, John C., assignor to Minneapolis Steel & Machinery Company, Minneapolis, Minn. Tailings thrasher for thrashing machines. No. 1,406,394; Feb. 14.
- Junkin, John C., assignor to Minneapolis Steel & Machinery Company, Minneapolis, Minn. Feeder spreader for thrashing machines. No. 1,406,395; Feb. 14.
- Kaletzky, Nathaniel A. (See Boyler, Emanuel J., assignor.)
- Kalmus, Comstock & Wescott, Incorporated. (See Wescott, Ernest W., assignor.)
- Karlsson, Kaleb. (See Brogren, S. G., and Karlsson.)
- Katz, Millard M., et al. (See Ghegan, Harry G., assignor.)
- Kaiser, George W., Chicago, Ill. Camera. No. 1,406,653; Feb. 14.
- Kaye, John A., Sault Ste. Marie, Ontario, Canada. Berry picker. No. 1,406,874; Feb. 14.
- Keeler, Hugh E., et al. (See Bolenbaugh, Burton R., C. R. S., and Long, assignors.)
- Keeney, Robert M., and P. J. Lonergan, Jr., Denver, Colo.; said Lonergan assignor to said Keeney. Electrode holder. No. 1,406,741; Feb. 14.
- Keith, Christopher H., and N. G. Madge, Providence, R. I., assignors to Revere Rubber Company. Deresinating and purifying balata. No. 1,406,654; Feb. 14.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machine. No. 1,406,563; Feb. 14.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing and casting machine. No. 1,406,564; Feb. 14.
- Kennedy, George C., Waterloo, Iowa. Sectional inclosure. No. 1,406,192; Feb. 14.
- Kent, Bert M., assignor to The Standard Parts Company, Cleveland, Ohio. Roll-gauging machine. No. 1,406,193; Feb. 14.
- Kershaw, Dr. Bert H., et al. (See Davis, Harry B., assignor.)
- Kesel, Valentine, Detroit, Mich. Vegetable-slicing machine. No. 1,406,194; Feb. 14.
- Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing machine. No. 1,406,742; Feb. 14.
- Kight, William K., Dexter, Mo., assignor of one-sixth to W. H. Jinks and one-sixth to L. B. Jessup, Brookland, Ark. Protecting device for automobile tires. No. 1,406,655; Feb. 14.
- Kilborn, Karl B. (See Dunlap, J. H., and Kilborn.)
- King, Charles E., assignor to Capen Belting and Rubber Company, St. Louis, Mo. Cutting machine. No. 1,406,459; Feb. 14.
- King, Rufus, Plainville, assignor to Bugbee & Niles Company, North Attleboro, Mass. Ribbon bracelet. No. 1,406,647; Feb. 14.
- Kinzinger, Frank J., Windsor, Ontario, Canada. Multiple brick mold. No. 1,406,460; Feb. 14.
- Kirsch, Otto. (See Schultz, O. R., and Kirsch.) (Re-issue.)
- Kirst, William E. (See Putnam, M. E., and Kirst.)
- Kirsten, Frederick B. A. (See Bennett, G. A., and Kirsten.)
- Klemm, Edwin O. (See Brooks, C. C., and Klemm.)
- Klemm Manufacturing Company. (See Brooks, C. C., and Klemm, assignors.)
- Kloepper, Valentine C., assignor of one-half to C. A. Marien, St. Louis, Mo. Hook for antiskid tire chains. No. 1,406,461; Feb. 14.
- Klump, Edward A., Basil, Ohio. Hog feeder. (Re-issue.) No. 15,283; Feb. 14.
- Knight, Raymond A., Canton, Ohio. Sheet-loading device. No. 1,406,656; Feb. 14.
- Knizek, Prokop G., Chehalis, Wash. Detachable sole for shoes. No. 1,406,657; Feb. 14.
- Knowles, George F., assignor to Federal Motor Truck Company, Detroit, Mich. Truck. No. 1,406,462; Feb. 14.
- Kraft, Henry P. (See Schweinert, M. C., and Kraft.)
- Kreitlein, George F. (See Henricks, Garrett W., assignor.)
- Kreutzberg, Ernst, and F. Moulton, Marine, Ill. Furnace-casing top. No. 1,406,875; Feb. 14.
- Kronert, Max R., Chicago, Ill. Combination tool. No. 1,406,262; Feb. 14.
- Kuehner, Charles P., North Providence, R. I. Bead chain. No. 1,406,463; Feb. 14.

- Kuentzel, Curt, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire-core-stripping machine. (Reissue.) No. 15,284; Feb. 14.
- Kuhn, George W., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Testing apparatus for telephone-switchboard cords. No. 1,406,195; Feb. 14.
- Kühn, Paul, Leipzig-Stötteritz, Germany. Angle plate and handle for dentists' boring machines. No. 1,406,263; Feb. 14.
- Ladd, Earnest W., New York, N. Y. Antirattler for windows. No. 1,406,264; Feb. 14.
- Lakeside Malleable Castings Company. (See Smith, Edwin K., assignor.)
- La Londe, William S., Evanston, Ill. Electric liquid-level indicator. No. 1,406,196; Feb. 14.
- Lammers, Edwin S., Jr., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical system. No. 1,406,565, Feb. 14.
- La Montagne, Ivan, Springfield, Mass. Means for attaching hose supporters to corsets. No. 1,406,677; Feb. 14.
- L. and H. Special Machine Co., The. (See Lindner, Arthur E., assignor.)
- Larsson, Ernst A., Älvdalen, Sweden. Means for moving cinematographic films. No. 1,406,876; Feb. 14.
- Lawrence, Edward C., Kansas City, Mo. Display stand. No. 1,406,464; Feb. 14.
- Lawson, James W., East Providence, R. I. Cutting tool. No. 1,406,265; Feb. 14.
- Lebherz, Harry J., Frederick, Md. Bottle capper. (Reissue.) No. 15,285; Feb. 14.
- Lee Trailer & Body Co. (See Lee, Albert P., assignor.)
- Lee, Albert P., assignor to Lee Trailer & Body Co., Chicago, Ill. Reversible trailer. No. 1,406,658; Feb. 14.
- Lemaire, Josef, Köln-Dellbrück, Germany. Internal-combustion engine. No. 1,406,877; Feb. 14.
- Leonard, Don Carlos, Greenville, S. C. Motor drive for looms. No. 1,406,878; Feb. 14.
- Leparmientier, Ferdinand F., Paris, France. Ship. No. 1,406,659; Feb. 14.
- Leslie, Robert D., and F. E. H. Snowden, Perth, Western Australia, Australia. Vapor burner. No. 1,406,396; Feb. 14.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal-mining apparatus. No. 1,406,660; Feb. 14.
- Levine, Harry, Brooklyn, N. Y., assignor of one-half to United States Envelope Company, Springfield, Mass., and one-half to Samuel Cupples Envelope Company, St. Louis, Mo. Patch-applying mechanism. No. 1,406,661; Feb. 14.
- Levinstein, Edgar, Boston, Mass. Vulcanization. No. 1,406,197; Feb. 14.
- Liebknecht, Otto, Frankfort-on-the-Main, Germany. Producing alkali-metal cyanates. No. 1,406,662; Feb. 14.
- Lincoln, Ward W., Rock Falls, Ill. Combination wagon and gocart. No. 1,406,397; Feb. 14.
- Lindner, Arthur E., Brooklyn, assignor to The L. and H. Special Machine Co., Inc., New York, N. Y. Sewing machine. No. 1,406,266; Feb. 14.
- Lindström, Arvid, Vestrås, Sweden. Secondary windings for asynchronous motors. No. 1,406,566; Feb. 14.
- Lingo, William T., Philadelphia, Pa. Finishing head for bolt-turning machines. No. 1,406,880; Feb. 14.
- Lipp, Gabrielle, New York, N. Y. Combined collapsible garment hanger and protector. No. 1,406,879; Feb. 14.
- Livingston, Fred N., Seattle, Wash. Fuel mixer. No. 1,406,398; Feb. 14.
- Ljungström, Fredrik, Brevik, Lidingön, assignor to Aktiebolaget Ljungstrom Angturbin, Stockholm, Sweden. Friction gearing. No. 1,406,665; Feb. 14.
- Lochina, Kajetan, Schenectady, N. Y. Padlock. No. 1,406,567; Feb. 14.
- Locke Insulator Corporation. (See Goddard, Walter T., assignor.)
- Locomobile Company, The. (See Alborn, Frans G., assignor.)
- Logan y Senan, Emilio, Aytona, Spain, assignor to A. Godi di Godio, Genoa, Italy. Cement and concrete. No. 1,406,421; Feb. 14.
- Lohmann, Alfred P., Akron, Ohio. Mixing and kneading machine and process. No. 1,406,666; Feb. 14.
- Long, Laurence W. (See Bolenbaugh, Burton R., C., R. S., and Long.)
- Lonerger, Philip J., Jr. (See Keeney, R. M., and Lonerger.)
- Longenbaugh, Anthony B., Crowley, La. Operating mechanism for window shutters, blinds, and the like. No. 1,406,198; Feb. 14.
- Lorenzen, Henry, Crete, Ill. Jack. No. 1,406,881; Feb. 14.
- Lovell, William V., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. No. 1,406,267; Feb. 14.
- Lovstrom, Richard, New York, N. Y. Light-projection display. No. 1,406,663; Feb. 14.
- Lubben, Henry S., Le Mars, Iowa. Watering trough for bees. No. 1,406,568; Feb. 14.
- Lumby, Charles L., Chicago, Ill. Cooking-vessel-supporting device. No. 1,406,399; Feb. 14.
- Lundgren, Edwin, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Mechanical stoker. No. 1,406,199; Feb. 14.
- Lundstrom, Alfred H., Rockford, Ill. Demountable tire rim. No. 1,406,664; Feb. 14.
- Lutes, Simpson, Primrose, Ky. Reversible hillside turning plow. No. 1,406,569; Feb. 14.
- Lynch Glass Machinery Company. (See Lynch, James W., assignor.)
- Lynch, James W., Alexandria, assignor to Lynch Glass Machinery Company, Anderson, Ind. Ware steadier for glass-working machines. No. 1,406,400; Feb. 14.
- Lynch, William J., Buffalo, N. Y. Dish-washing machine. No. 1,406,465; Feb. 14.
- Maass & Kemper Inc. (See Menaker, Morris E., assignor.)
- Macaluso, Antonio, Geneva, Ohio. Sole or heel plate. No. 1,306,401; Feb. 14.
- MacAulay, Daniel L., Inverness, Nova Scotia, Canada. Clothesline reel. No. 1,406,882; Feb. 14.
- Macbeth, Allan, Paris, assignor to Sté. The Dunlop Rubber Co., Limited, Paris, France. Reservoir for liquid fuel. No. 1,406,667; Feb. 14.
- Mace, James H. R., Liverpool, England. Winch for ships' boat-lowering mechanism and other purposes. No. 1,406,570; Feb. 14.
- MacMichael, Ross F., Pittsburgh, Pa., assignor to The G. Piel Company, Inc., Long Island City, N. Y. Indicating device. No. 1,406,200; Feb. 14.
- MacMichael, Ross F., Hayden, Ariz., assignor to The G. Piel Company, Inc., Long Island City, N. Y. Gasoline gauge. No. 1,406,201; Feb. 14.
- Madej, Józef, Tolleston, Ind. Fishing rod. No. 1,406,268; Feb. 14.
- Madge, Norman G. (See Keith, C. H., and Madge.)
- Mahoney, William J., St. Paul, Minn. Wire-link fabric. No. 1,406,406; Feb. 14.
- Maler, George E., Los Angeles, Calif. Charging valve for air-brake equipment. No. 1,406,466; Feb. 14.
- Manhattan Briar Pipe Company. (See Connell, Joseph P., assignor.)
- Mantanel, August, assignor to Chicago, Cabinet Lock Co., Chicago, Ill. Lock. No. 1,406,573; Feb. 14.
- Mantanel, August, assignor to Chicago Cabinet Lock Co., Chicago, Ill. Cylinder lock. No. 1,406,574; Feb. 14.
- Marlen, Charles A. (See Kloepper, Valentine C., assignor.)
- Martin, Frederick W., Manhattan Beach, N. Y., assignor to Franklin Railway Supply Company. Flexible pipe coupling. No. 1,406,671; Feb. 14.
- Massip, Georges, Paris, France. Automatically-working steam trap. No. 1,406,747; Feb. 14.
- Massip, Georges, Paris, France. Valve. No. 1,406,748; Feb. 14.
- Matthews, Newton N., Berlin, Md. Tractor lug. No. 1,406,749; Feb. 14.
- Matthey, Samuel, Seattle, Wash. Ratchet wrench. No. 1,406,467; Feb. 14.
- Maxfield, Joseph P., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vibration detector. No. 1,406,672; Feb. 14.
- May, Russell P., Washington, D. C. Combined brake and accelerator. No. 1,406,402; Feb. 14.
- Mazer, Harry A., Philadelphia, Pa. Coaster. No. 1,406,269; Feb. 14.
- McCain, William E., Erie, Pa. Grading machine. No. 1,406,743; Feb. 14.
- McCarren, Joseph G., Rockford, Ill. Pot for use in annealing and carbonizing metals. No. 1,406,744; Feb. 14.
- McCollum, Clarence R., assignor of one-half to F. R. Boyesen, Oakland, Calif. Closure-operating device. No. 1,406,468; Feb. 14.
- McCook, Peter, Winnipeg, Manitoba, Canada. Antiskid device for automobiles. No. 1,406,403; Feb. 14.
- McCormack, Harry, Chicago, Ill. Manufacture of resorcinol. No. 1,406,745; Feb. 14.
- McCoy, Alfred F. (See Allen, A. F., McCoy, and Sternberg.)
- McCoy, James C., New York, N. Y. Fishing chair. No. 1,406,571; Feb. 14.
- McCrosky, Frederick B. (See Tweeddale, J., and McCrosky.)
- McCradden, John C. R., Hurstville, near Sydney, New South Wales, Australia. Machine gun. No. 1,406,404; Feb. 14.
- McCullough, John E., Maywood, Ill. Ladle-nozzle-protecting device. No. 1,406,746; Feb. 14.
- McDermott, John M. (See Wenterwest, Joseph F., assignor.)
- McGee, William H., and R. S. Berry, Los Angeles, Calif. Automatic control mechanism. No. 1,406,405; Feb. 14.
- McGraw, Rhoda M., Syracuse, N. Y. Roof flange. No. 1,406,469; Feb. 14.
- McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Stop motion for winding machines. No. 1,406,572; Feb. 14.
- McLeod, Archibald, Grand Rapids, Mich. Top for desks and the like and making and finishing the same. No. 1,406,270; Feb. 14.
- McQuarrie, James L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,406,668; Feb. 14.
- McRoberts, Donal C., Indianapolis, Ind., assignor to G & J Tire Company. Making inner tubes and the like. No. 1,406,669; Feb. 14.
- McWane, Charles P., Birmingham, Ala. Tire protector. No. 1,406,202; Feb. 14.
- McWilliams, Anderson W., Oklahoma, Okla. Automobile locking device. No. 1,406,670; Feb. 14.

- Mead-Morrison Manufacturing Company, The. (See Morris, A. E., and Ecks, assignors.)
- Meade, Joseph F., Roosevelt, assignor, by mesne assignments, to Curtiss Aeroplane and Motor Corporation, Buffalo, N. Y. Landing gear for aircraft. No. 1,406,575; Feb. 14.
- Medholdt, Louis T., Winthrop, assignor to S. A. Woods Machine Company, Boston, Mass. Side-leg construction for matchers and the like. No. 1,406,470; Feb. 14.
- Menaker, Morris E., assignor to Maass & Kemper, Inc., Baltimore, Md. Garment. No. 1,406,203; Feb. 14.
- Menger, George, Oak Park, Ill. Heating device. No. 1,406,204; Feb. 14.
- Mergenthaler Linotype Company. (See Kennedy, David S., assignor.)
- Merickel, John W., Miami, Fla. Air and water dispensing apparatus. No. 1,406,471; Feb. 14.
- Merrick, Frank W., Boston, Mass. Shoe upper and the like, and finishing the edges thereof. No. 1,406,673; Feb. 14.
- Metcalfe, Robert F., Erie, Pa. Engine. No. 1,406,205; Feb. 14.
- Metz, William F. (See Bradley, J. G., and Metz, assignor.)
- Meyer, William C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Wax-thread sewing machine. No. 1,406,206; Feb. 14.
- Michael, Preston E. (See Green, Elmer E., assignor.)
- Michelsen, Henry C., Yonkers, N. Y. Internal-combustion engine. No. 1,406,271; Feb. 14.
- Michoud, Arnold, Yverdon, assignor to firm: Société Cibles Automatiques Michoud S. A., Neuchatel, Switzerland. Target apparatus. No. 1,406,674; Feb. 14.
- Miller, Charles F., Morton, Pa., assignor to The Westinghouse Electric & Manufacturing Co. Stoker. No. 1,406,884; Feb. 14.
- Miller, Charles F., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Underfeed stoker. No. 1,406,883; Feb. 14.
- Miller, Clarence J. H., East Cleveland, Ohio. Game apparatus. No. 1,406,473; Feb. 14.
- Miller, Ernest W. (See Fitch, H. H., and Miller.)
- Miller, George P., Foxcroft, Me. Lens-grinding apparatus. No. 1,406,407; Feb. 14.
- Miller, Herbert T., Rochester, N. Y. Sleigh runner for motor vehicles. No. 1,406,207; Feb. 14.
- Miller, Seaman, New York, N. Y. Ornamental textile. No. 1,406,208; Feb. 14.
- Miller, Zachary T., Bliss, Okla. Blinder. No. 1,406,675; Feb. 14.
- Miller, Zachary T., Bliss, Okla. Blinder. No. 1,406,676; Feb. 14.
- Mine & Smelter Supply Company, The. (See Thompson, Charles E., assignor.)
- Minneapolis Steel & Machinery Company. (See Junkin, John C., assignor.)
- Minor, Robert B., San Antonio, Tex. Can opener. No. 1,406,750; Feb. 14.
- Mintzies, Louis, Brooklyn, N. Y. Cuspidor. No. 1,406,472; Feb. 14.
- Molloy, Daniel E., Fall River, Mass. Carding or straightening the fibers of cotton. No. 1,406,474; Feb. 14.
- Montgomery, John T., Verona, Mo. Automobile puller and power mechanism. No. 1,406,752; Feb. 14.
- Morelli, William, assignor of one-half to P. J. Walsh, San Francisco, Calif. Thermostatic indicator. No. 1,406,476; Feb. 14.
- Morgal, John F., Indianapolis, Ind. Piston ring. No. 1,406,475; Feb. 14.
- Morgan Construction Company. (See George, Jerome R., assignor.)
- Morgan, John, Iron River, Mich. Lamp support. No. 1,406,751; Feb. 14.
- Morrill, Charles L. (See Shields, George, assignor.)
- Morrill, Hiram D., Northfield, Vt. Stone-working table. No. 1,406,477; Feb. 14.
- Morse, Albert W., Forest Hills, N. Y. Strainer. No. 1,406,272; Feb. 14.
- Mortimer, Louis A., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,406,678; Feb. 14.
- Moss, Ernest, Christchurch, New Zealand. Implement-raising and depth-regulating mechanism. No. 1,406,273; Feb. 14.
- Mote, Sydney C., assignor of one-half to A. P. Crouch, London, England. Rubber-covered tank for containing inflammable liquids. - No. 1,406,478; Feb. 14.
- Moulton, Fred. (See Kreutzberg, E., and Moulton.)
- Muchka, Josef, Vienna, Austria. Production of gas mixtures of nitrogen and carbon dioxide that are deficient in oxygen. No. 1,406,479; Feb. 14.
- Muffy, William E., Alliance, Ohio. Record-filing cabinet. No. 1,406,753; Feb. 14.
- Multipost Company. (See Balkwill, Wesley J., assignor.)
- Murnane, Cornelius, Carlton, near Melbourne, Victoria, Australia. Farm tractor. No. 1,406,209; Feb. 14.
- Murphy, Walter P., New York, N. Y. Dump car. No. 1,406,274; Feb. 14.
- Murray-Dayton Corporation. (See Murray, Harry E., assignor.)
- Murray, Harry E., assignor to Murray-Dayton Corporation, Chicago, Ill. Spark intensifier for ignition plugs. No. 1,406,480; Feb. 14.
- Murray, Howard J., Brooklyn, N. Y. Thermoelectric transformer. No. 1,406,576; Feb. 14.
- Murray, John L., Audubon, N. J. Catamenial calendar. No. 1,406,210; Feb. 14.
- Murray, Thomas E., Brooklyn, N. Y. Molding pipes of plastic material. No. 1,406,578; Feb. 14.
- Murray, Thomas E., Brooklyn, N. Y. Tubular molding core for pipes. No. 1,406,577; Feb. 14.
- Myers, George W., Philadelphia, Pa. Differential clutch gearing. No. 1,406,211; Feb. 14.
- Myers, William M., St. Joseph, Mo. Wrench. No. 1,406,408; Feb. 14.
- Norris, Almon E., Brookline, Mass., and J. Ecks, Milwaukee, Wis., assignors to The Mead-Morrison Manufacturing Company, East Boston, Mass. Door. No. 1,406,214; Feb. 14.
- Nathan, Albert F., Plainfield, N. J. Miter-curve cutter. No. 1,406,481; Feb. 14.
- Nelson, August W., Spokane, Wash. Traction means for automobiles. No. 1,406,212; Feb. 14.
- Neubeck, Walter G. (See Herterich, W. F., and Neubeck.)
- New Jersey Foundry & Machine Company. (See Hescocock, E. N., and Smith, assignors.)
- Newton, Richard T. (See Dyer, Harry W., assignor.)
- Nielsen, Niels, Pittsburgh, Calif. Indicating mechanism for rotary helical cookers. No. 1,406,213; Feb. 14.
- Nikonow, John P., New York, N. Y. Sounding device. No. 1,406,482; Feb. 14.
- Nobbs, George H., Watertown, Mass. Tractor. No. 1,406,754; Feb. 14.
- Noble, Howard C., assignor to North & Judd Manufacturing Company, New Britain, Conn. Antirattler for window sashes. No. 1,406,409; Feb. 14.
- Norman, Carl G., Chicago, Ill. Sandpapering machine. No. 1,406,275; Feb. 14.
- North & Judd Manufacturing Company. (See Noble, Howard C., assignor.)
- Norsk Hydro-Elektrisk Kvaestofaktieselskab. (See Halvorsen, Birger F., assignor.)
- Novitzky, Emil, Detroit, Mich. Adjustable shoe and boot tree. No. 1,406,276; Feb. 14.
- Nott, William J., West Croydon, South Australia. Pump valve. No. 1,406,885; Feb. 14.
- Nuta, Meyer, Chicago, Ill. Internal-combustion engine. No. 1,406,886; Feb. 14.
- Nystrom, Martin, assignor to The Brunswick-Balke-Clender Company, Chicago, Ill. Brake mechanism for talking machines. No. 1,406,579; Feb. 14.
- Nystrom, Martin, assignor to The Brunswick-Balke-Clender Company, Chicago, Ill. Pawl and ratchet device. No. 1,406,580; Feb. 14.
- O'Brien, William L., and O. H. Spencer, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Coil-winding machine. No. 1,406,215; Feb. 14.
- Ogden, John E. (See Tomkinson, Charles C., assignor.)
- O'Keefe, James J. (See Roberts, A. O., O'Keefe, and Burby.)
- Olson, Charles J., Muskegon, Mich., assignor to The Olson Pneumatic Saw and Valve Company, Indianapolis, Ind. Pressure valve. No. 1,406,216; Feb. 14.
- Olson, Pneumatic Saw and Valve Company, The. (See Olson, Charles J., assignor.)
- Olson, Walter E., Chicago, Ill. Twister for carpet strips and the like. No. 1,406,217; Feb. 14.
- Onepiece Bifocal Lens Company. (See Bugbee, Lucian W., assignor.)
- Orr, Henry A., United States Navy, assignor to Government of the United States. Detecting the course of a ship. No. 1,406,218; Feb. 14.
- Orzechowski, Adam K., Ellis Island, N. Y. Railway construction. No. 1,406,887; Feb. 14.
- Ottman, Robert E., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Protective device. No. 1,406,681; Feb. 14.
- Pacific Car & Foundry Co. (See Ross, John C., assignor.)
- Pacific Car & Foundry Co. (See Chriswell, Frederick W., assignor.)
- Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
- Page, John C., San Francisco, Calif. Shaving brush. No. 1,406,483; Feb. 14.
- Palmowski, Stanislaus, New York, N. Y. Packing and boxing machine. No. 1,406,219; Feb. 14.
- Pandolfo, Samuel C., St. Cloud, Minn. Chair. No. 1,406,888; Feb. 14.
- Parker, John, and T. Wilkie, Winnipeg, Manitoba, Canada. Automobile tail light. No. 1,406,485; Feb. 14.
- Paris, Isidor, Denver, Colo. Child's racing game. No. 1,406,484; Feb. 14.
- Patterson, John W. (See Sides, Wilson W., assignor.)
- Pauley, Max W., Rogers, Mich. Automatic stop for moving-picture machines. No. 1,406,889; Feb. 14.
- Paulson, Arthur, et al. (See Bolenbaugh, Burton R., C., and R. S., and Long, assignors.)
- Paulson, John E., Minneapolis, Minn. Potato cutter and planter. No. 1,406,679; Feb. 14.
- Payton & Kelly Co. (See Eddy, Albert H., assignor.)
- Peabody, James C., Boston, Mass. Fiber board. No. 1,406,410; Feb. 14.
- Pedersen, Harald, Trondhjem, Norway, assignor to A/S Høyangfaldene Norsk Aluminium Co., Christiania, Norway. Enabling alumina to be obtained from clay and other impure aluminous materials. No. 1,406,890; Feb. 14.
- Peoples, John S., Washington, D. C., assignor to N. D. Baker, Secretary of War, trustee. Cartridge-belt container. No. 1,406,954; Feb. 14.

- Perlman, Harry, New York, N. Y. Pliers for cutting insulation. No. 1,406,486; Feb. 14.
- Persson, Otto F., Erie, Pa. Variable-pitch propeller. No. 1,406,277; Feb. 14.
- Peters, George C., Los Angeles, Calif. Wrench. No. 1,406,755; Feb. 14.
- Peters, Karl R., Philadelphia, Pa. Tool for truing up crank shafts. No. 1,406,756; Feb. 14.
- Peters, William E., Carbondale, Pa. Window-sash attachment. No. 1,406,411; Feb. 14.
- Petroleum Fuel Engineering Company. (See Hurley, Joseph C., assignor.)
- Pettibone Mulliken Company. (See Strom, E. N., and Blomstrand, assignors.)
- Petty, William E., Storm Lake, assignor to J. P. Christensen, Newell, Iowa. Folding animal crate. No. 1,406,278; Feb. 14.
- Pick, Albert, & Company. (See Pick, Hugo, assignor.)
- Pick, Hugo, Winnetka, assignor to Albert Pick & Company, Chicago, Ill. Culinary strainer. No. 1,406,581; Feb. 14.
- Pickelsimer, Otus, Greenville, S. C. Trousers creaser and former. No. 1,406,891; Feb. 14.
- Pickett, George F., London, England. No. 1,406,220; Feb. 14.
- Piel, G., Company, The. (See MacMichael, Ross F., assignor.)
- Pleace, Richard J. (See Doulton, H. L., Corby, and Pleace.)
- Polinkowsky, Lipa, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,406,221; Feb. 14.
- Polo, Andrew, and J. Anelli, Newark, N. J. Egg holder. No. 1,406,222; Feb. 14.
- Porter, James S., Buffalo, N. Y. Tool for operating split wheel rims. No. 1,406,680; Feb. 14.
- Posson, Edward, Chicago, Ill. Roller-bearing journal. No. 1,406,279; Feb. 14.
- Postcraft Company, The. (See Burr, Harry J., assignor.)
- Powell, Robert W. (See Stewart, A. L., and Powell.)
- Powers, Martin A. (See Carr, J. H., and Powers.)
- Powers, Robert T., Oxford, Mass. Lug strap. No. 1,406,487; Feb. 14.
- Price, Edward, Los Angeles, Calif. Amusement device. No. 1,406,412; Feb. 14.
- Pruden, C. D., Corporation. (See Pruden, Clarence D., assignor.)
- Pruden, Clarence D., assignor to C. D. Pruden Corporation, Baltimore, Md. Sheet-metal house. No. 1,406,757; Feb. 14.
- Pugh, Harry W., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone substation apparatus. No. 1,406,223; Feb. 14.
- Pugh, Marguerite A., New Orleans, La. Radiotherapeutic shield. No. 1,406,488; Feb. 14.
- Purdie, Francis B., Albany, N. Y. Portable kitchenette. No. 1,406,758; Feb. 14.
- Putnam, Alden L., Detroit, Mich., assignor, by mesne assignments, to Detroit Pressed Steel Company, Wilmington, Del. Vehicle wheel and axle. No. 1,406,759; Feb. 14.
- Putnam, Mark E., and W. E. Kirst, assignors to The Dow Chemical Company, Midland, Mich. Cellulose-acetate solution. No. 1,406,224; Feb. 14.
- Pym, Charles F., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. No. 1,406,280; Feb. 14.
- Quick, Charles F., Dallas, Tex. Elevator-controlling device. No. 1,406,489; Feb. 14.
- Quinn, John P., New York, N. Y. Repouring attachment. No. 1,406,892; Feb. 14.
- Rail Joint Company, The. (See Braine, Bancroft G., assignor.)
- Railway Safety Switch Lock Company. (See Franklin, Walter H., assignor.)
- Randall, Edward E., Prides Crossing, Mass. Display stand. No. 1,406,893; Feb. 14.
- Rassmann, F., Manufacturing Company. (See Rassmann, Hugo C., assignor.)
- Rassmann, Hugo C., assignor to F. Rassmann Manufacturing Company, Beaver Dam, Wis. Watering device for cattle. No. 1,406,490; Feb. 14.
- Rataiczak, Thomas F., assignor to The Hobart Manufacturing Company, Troy, Ohio. Automatic release. No. 1,406,491; Feb. 14.
- Rathbone, David H., Los Angeles, Calif. Meter. No. 1,406,682; Feb. 14.
- Rathsmill, Louis, Penns Grove, N. J. Dress protector. No. 1,406,225; Feb. 14.
- Ray, William R., San Francisco, Calif. Oil burner. No. 1,406,413; Feb. 14.
- Ray, William R., San Francisco, Calif. Automatic air and oil regulator for rotary burners. No. 1,406,414; Feb. 14.
- Rawlins Mfg. Co. (See Whitley, William P., assignor.)
- Reece Button Hole Machine Company, The. (See Kiewicz, John, assignor.)
- Redshaw, George L., Grenora, N. D. Door for grain cars. No. 1,406,894; Feb. 14.
- Regan, Joseph C., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric cut-out box. No. 1,406,683; Feb. 14.
- Reifurth, Otto, Bochum, Germany. Apparatus for rolling tires. No. 1,406,895; Feb. 14.
- Reno Optical Company. (See Robinson, John L., assignor.)
- Reppe, Andrew, Winifred, Mont. Engine. No. 1,406,896; Feb. 14.
- Revere Rubber Company. (See Keith, C. H., and Madge, assignors.)
- Revolver Company. (See Germond, Henry S., Jr., assignor.)
- Reynolds Manufacturing Company. (See Reynolds, Samuel W., assignor.)
- Reynolds, Samuel W., Scranton, Pa., assignor to Reynolds Manufacturing Company, Toledo, Ohio. Rein spreader and guide for harness. No. 1,406,415; Feb. 14.
- Rice, Walter L., Denver, Colo. Charge-forming device for internal-combustion engines. No. 1,406,416; Feb. 14.
- Richards, Alfred H., and N. E., Manville, R. I. Piston. No. 1,406,684; Feb. 14.
- Richards, Norman E. (See Richards, Alfred H. and N. E.)
- Richie, David R., Lansdowne, Pa., assignor to S. L. Allen & Co., Inc. Cultivator. No. 1,406,417; Feb. 14.
- Ridge, Leonard C., Toronto, Ontario, Canada. Loose-leaf or card-index device. No. 1,406,226; Feb. 14.
- Ridge, Leonard C., Toronto, Ontario, Canada. Filing apparatus. No. 1,406,227; Feb. 14.
- Riedel, Walter H., St. Paul, Minn. Gravity carrier. No. 1,406,228; Feb. 14.
- Riker, Samuel M., Chester, N. J. Belt buckle. No. 1,406,281; Feb. 14.
- Riker, Samuel M., Chester, N. J. Belt buckle. No. 1,406,282; Feb. 14.
- Riley, Clyde C., Goshen, Ind. Flywheel for automobiles. No. 1,406,283; Feb. 14.
- Rittenhouse, Leon W., Rochester, N. Y. Snowplow. No. 1,406,897; Feb. 14.
- Roberts, Alexis O., Greene Island, J. J. O'Keefe, and A. F. Burby, Watervliet, N. Y. Combined support and guide for sliding doors. No. 1,406,898; Feb. 14.
- Robinson, John L., assignor to Reno Optical Company, Reno, Nev. Heater. No. 1,406,900; Feb. 14.
- Robinson, Homer, Lorain, Ohio. Annunciator. No. 1,406,899; Feb. 14.
- Robinson, Vincent M., St. Joseph, Mo. Dental impression tray. No. 1,406,492; Feb. 14.
- Robison, Floyd W., assignor to Utility Compressor Company, Detroit, Mich. Use of sulphur dioxide in artificial refrigerating systems. No. 1,406,582; Feb. 14.
- Rocher, Maurice A. L., Châtelleraut, Vienne, France. Vise having an instantaneous tightening and loosening action. No. 1,406,901; Feb. 14.
- Rockwood, Charles P., Geneva, assignor, by mesne assignments, to American Seamless Container Company, St. Charles, Ill. Pail. No. 1,406,284; Feb. 14.
- Rodolausse, Eloi, St-Antonin, France. Device for controlling railway trains. No. 1,406,902; Feb. 14.
- Roderick, Alexander B. (See Dillon, W. C., Toay, and Haney, assignors.)
- Rogers, Elmer J., Quincy, Mass. Piston-ring tool. No. 1,406,686; Feb. 14.
- Rogers, Milton W., Live Oak, Fla. Inner-tube protector for clincher rims. No. 1,406,687; Feb. 14.
- Rohr, Henry K., Buckhannon, W. Va. Curtain pole. No. 1,406,685; Feb. 14.
- Rolph, William M., London, England. Signaling apparatus for use with motor-driven and other vehicles. No. 1,406,493; Feb. 14.
- Rolph, William M., London, England. Signaling apparatus. No. 1,406,494; Feb. 14.
- Ronning, Adolph. (See Ronning, Andean G. and A.)
- Ronning, Andean G. and A., Minneapolis, Minn. Universal hitch device. No. 1,406,418; Feb. 14.
- Rose, Edward E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, Trolley frog. No. 1,406,285; Feb. 14.
- Rose, Edward E., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Trolley-frog approach. No. 1,406,286; Feb. 14.
- Rose, William H., Jersey City, N. J. Dry-spray gun. No. 1,406,903; Feb. 14.
- Rose, William H., Jersey City, N. J. Dry-spray gun. No. 1,406,904; Feb. 14.
- Ross, John C., assignor to Pacific Car & Foundry Co., Seattle, Wash. Car truck. No. 1,406,287; Feb. 14.
- Routin, Joseph L. (See Schneider, Eugene, assignor.)
- Roy, Levi J., Providence, R. I. Jeweler's clutch. No. 1,406,688; Feb. 14.
- Rudolph, Hettie E., Bisbee, Ariz. Electrically-heated presser foot. No. 1,406,760; Feb. 14.
- Ruge, Wilhelm, Berlin, Germany. Foot bandage. No. 1,406,583; Feb. 14.
- Rumfelt, Clarence, Oakland, Calif. Automatic commutator-brush adjuster. No. 1,406,495; Feb. 14.
- Russell Grader Manufacturing Co. (See Anderson, A., and Wold, assignors.)
- Rusnak, Verona, Cleveland, Ohio. Coffee mill and sifter. No. 1,406,761; Feb. 14.
- Rutledge, Frank I., Pittsburgh, Pa. Drier. No. 1,406,496; Feb. 14.
- Rutledge, Frank I., Pittsburgh, Pa. Macaroni-trimming machine. No. 1,406,497; Feb. 14.
- Rymer, John A., assignor of one-half to E. V. Tiffany, Oakland, Calif. Enameling wood or metal surfaces. No. 1,406,498; Feb. 14.
- Salazar, Juan and P. A., Picacho, Ariz. Differential mechanism for motor vehicles. No. 1,406,584; Feb. 14.
- Salazar, Perfecto A. (See Salazar, Juan and P. A.)
- Sanberg, Martin B., Middle River, Minn. Automobile side curtain. No. 1,406,499; Feb. 14.

- Saris, Joseph H., Beloit, Wis. Cork-insert machine. No. 1,406,689; Feb. 14.
- Sawyer, Frederick L., New York, assignor to one-half to C. Berger, Brooklyn, N. Y. Pencil. No. 1,406,585; Feb. 14.
- Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Wire-supporting structure. No. 1,406,288; Feb. 14.
- Schaefer, Joseph F., Shaker Heights Village, assignor to The Van Dorn Iron Works, Cleveland, Ohio. Locking mechanism. No. 1,406,289. Feb. 14.
- Scartow, Frank E., Racine, Wis. Snap hook and assembling the same. No. 1,406,419; Feb. 14.
- Scheib, Otto, Barmen, Germany. Hair curler. No. 1,406,586; Feb. 14.
- Schierding, William, Spokane, Wash. Automobile signal. No. 1,406,290; Feb. 14.
- Schloth, Arthur C., and H. E. Lynn, assignors to U. J. Bouchard, Boston, Mass. Alarm. No. 1,406,762; Feb. 14.
- Schloth, Herman E. (See Schloth, Arthur C. and H. E.)
- Schmidt, Frederick W., Philadelphia, Pa. Slide for projecting lanterns. No. 1,406,420; Feb. 14.
- Schnabel, Georg, Niederoderwitz, Saxony. Preservation of meat. No. 1,406,513; Feb. 14.
- Schneider & Cie. (See Schneider, Eugène, assignor.)
- Schneider, Eberhard, deceased, New York, N. Y.; S. Schneider, administratrix. Film cleaning and polishing apparatus. No. 1,406,690; Feb. 14.
- Schneider, Eugène, assignor to Schneider & Cie., Paris, France. Apparatus for assembling piston rods and the like. No. 1,406,229; Feb. 14.
- Schneider, Eugène, assignor to J. L. Routin, Paris, France. Electric apparatus for indicating and repeating movements at a distance. No. 1,406,500; Feb. 14.
- Schneider, Stanislaw, administratrix. (See Schneider, Eberhard.)
- Schober, Joseph. (See Dumas, Allie W., assignor.)
- Schoen, John L., Chicago, Ill. Piston ring. No. 1,406,763; Feb. 14.
- Schultz, Oswald R., and O. Kirsch, New York, N. Y. Method of and apparatus for making multicolor prints. (Reissue.) No. 15,286; Feb. 14.
- Schwartz, Fannie H., Brooklyn, N. Y. Convertible garment. No. 1,406,764; Feb. 14.
- Schwartz, Joseph. (See Hoffman, S., Schwartz, and Holden.)
- Schweinert, Maximilian C., New York, N. Y., and H. P. Kraft, Ridgewood, N. J. Pressure gauge. No. 1,406,230; Feb. 14.
- Scolding Locks Hairpin Company. (See Smith, Homer P., assignor.)
- Scott, Douglas W., assignor of one-half to T. Crow, Newcastle-upon-Tyne, England. Direction indicator. No. 1,406,501; Feb. 14.
- Seaholm, Ernest W., assignor to General Motors Corporation, Detroit, Mich. Gear-shift lever lock. No. 1,406,281; Feb. 14.
- Seely, Thomas H. (See Wade, W. E., and Seely.)
- Sedgwick, Alexander K., Chicago, Ill. Extracting sulphur. No. 1,406,905; Feb. 14.
- Sewell, Rhodes, Banning, Ga. Game. No. 1,406,691; Feb. 14.
- Shackle, Ida L. M., Watertown, S. D. Amusement apparatus. No. 1,406,765; Feb. 14.
- Shand, Robert, Lynn, Mass., assignor to General Electric Company. Artificial jewel. No. 1,406,502; Feb. 14.
- Shaw, Edmund, assignor to The Allen Coe Co., El Paso, Tex. Sand-washing device. No. 1,406,291; Feb. 14.
- Shields, George, assignor of one-half to C. L. Morrill, Winslow, Wash. Rotary steam engine. No. 1,406,503; Feb. 14.
- Shipp, Charles E., Detroit, Tex. Oil heated for engines. No. 1,406,766; Feb. 14.
- Short, Charles R., assignor to General Motors Company, Detroit, Mich. Combined intake and exhaust manifold. No. 1,406,232; Feb. 14.
- Sibley, Robert L. (See Bedford, C. W., and Sibley.)
- Siems, Fred. (See Hillmann, C., and Siems.)
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Weber, Louis, assignor.)
- Siddon, Joseph, Joliet, Ill. Hack saw. No. 1,406,422; Feb. 14.
- Sides, Wilson W., assignor to J. W. Patterson, Kearney, Nebr. Hydraulic clutch. No. 1,406,292; Feb. 14.
- Sims, Jacob, Brooklyn, N. Y. Hand bag. No. 1,406,505; Feb. 14.
- Simmons, Lloyd S., Sonoma, Calif. Powder divider. No. 1,406,504; Feb. 14.
- Skeldon, Joseph L., assignor to Joseph L. Skeldon Engineering Company, Toledo, Ohio. Powder gun. No. 1,406,233; Feb. 14.
- Skeldon, Joseph L., Engineering Company. (See Skeldon, Joseph L., assignor.)
- Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Handle for stope drills. No. 1,406,767; Feb. 14.
- Slater, Robert O., Tulsa, Okla. Wire-line socket. No. 1,406,768; Feb. 14.
- Slepiian, Joseph, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. No. 1,406,234; Feb. 14.
- Sloane, Luke S., Okmulgee, Okla. Wrench. No. 1,406,293; Feb. 14.
- Smith, Alfred H., New York, N. Y. Fastening for freight-car compartments. No. 1,406,294; Feb. 14.
- Smith, Benjamin H., Turtle Creek, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. No. 1,406,235; Feb. 14.
- Smith, Edwin K., Milwaukee, assignor to Lakeside Malleable Castings Company, Racine, Wis. Apparatus for use in the treatment or annealing of castings. No. 1,406,769; Feb. 14.
- Smith, Ernest F. (See Hescocock, E. N., and Smith.)
- Smith, Frank H., Greenwood, Miss. Nut and washer. No. 1,406,423; Feb. 14.
- Smith, Homer P., assignor to Scolding Locks Hairpin Company, Appleton, Wis. Hairpin separating and measuring machine. No. 1,406,587; Feb. 14.
- Smith, James P., Hampton Roads, Va. Buckle. No. 1,406,770; Feb. 14.
- Smith, Viola A., New York, N. Y. Adjustable bust-confining garment. No. 1,406,692; Feb. 14.
- Smith, William A., Detroit, Mich., assignor to Ingersoll-Rand Company, New York, N. Y. Air-feed control for rock drills. No. 1,406,906; Feb. 14.
- Smith, William A., Detroit, Mich., assignor to Ingersoll-Rand Company, Jersey City, N. J. Air-feed control for rock drills. No. 1,406,907; Feb. 14.
- Smith, William A., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J. Air-feed control for rock drills. No. 1,406,908; Feb. 14.
- Snowden, Frank E. H. (See Leslie, R. D., and Snowden.)
- Sober, John L. (See Flaherty, Mike B., assignor.)
- Société Cibles Automatiques Michoud S. A. (See Michoud, Arnold, assignor.)
- Soderstrom, Karl A., Philadelphia, Pa. Manufacturing pipe fittings and analogous articles. No. 1,406,693; Feb. 14.
- Sorensen, Charles E., assignor to Henry Ford & Son, Inc., Dearborn, Mich. Annealing furnace. No. 1,406,424; Feb. 14.
- Spencer, Owen H. (See O'Brien, W. L., and Spencer.)
- Sperry, Arthur B., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,406,236; Feb. 14.
- Spring Stopper Company. (See Brown, Harry M., assignor.)
- Stair, Blaine A., Los Angeles, Calif. Ear stopper. No. 1,406,425; Feb. 14.
- Stamm, Edgar O., Cincinnati, Ohio. Riddle. No. 1,406,237; Feb. 14.
- Standard Chemical Company. (See Viol, Charles H., assignor.)
- Standard-Johnson Co. (See Donnellan, Edward P., assignor.)
- Standard Parts Company, The. (See Jobski, Otto H., assignor.)
- Standard Parts Company, The. (See Kent, Bert M., assignor.)
- Stanford, Arthur L., Chicago, Ill. Rail anchor. No. 1,406,295; Feb. 14.
- Stankee, Paul W., Davenport, Iowa. Hog-farrowing guard rail. (Reissue.) No. 15,287; Feb. 14.
- Stanley, Albert M., Palms, Calif. Auto signal. No. 1,406,694; Feb. 14.
- Stanley, Thomas E., Earlham, Iowa. Hand cultivator. No. 1,406,772; Feb. 14.
- Stansberry, Everett F., Moravia, Iowa. Hayrake. No. 1,406,506; Feb. 14.
- Starr, Morris, Plainfield, N. J. Water-heating attachment. No. 1,406,771; Feb. 14.
- Staudt, James R., Fort Worth, Tex. Adjustable spring clamp. No. 1,406,695; Feb. 14.
- Ste. The Dunlop Rubber Cy-Limited. (See Macbeth, Allan, assignor.)
- Steinberger, Louis, Brooklyn, N. Y. Self-cooling strain insulator. No. 1,406,696; Feb. 14.
- Steinberger, Louis, Brooklyn, N. Y. Self-cooling strain insulator. No. 1,406,697; Feb. 14.
- Steinberger, Louis, Brooklyn, N. Y. Strain insulator. No. 1,406,698; Feb. 14.
- Steinmann, George W. (See Evans, L. M., and Steinmann.)
- Sternberger, Robert O. (See Allen, A. F., McCoy, and Sternberger.)
- Stewart, Abraham L., and R. W. Powell, Quincy, Ill.; said Powell assignor to said Stewart. Tire holder. No. 1,406,296; Feb. 14.
- Stewart, Alfred C., Los Angeles, Calif. Centrifugal pump. No. 1,406,297; Feb. 14.
- Stewart, Alonzo L., Rushville, Ind. Buoyant soap holder. No. 1,406,699; Feb. 14.
- Stewart, James M., Washington, D. C. Extension sink. No. 1,406,426; Feb. 14.
- Stevenson, Wilbur W., and O. H. Bathgate, Wilkinsburg, Pa., assignors to Anthony Company, Long Island City, N. Y. Combination gas and oil burner. No. 1,406,238; Feb. 14.
- Stippich, Arno C., Hayfield, Minn. Machine for sharpening lawn mowers. No. 1,406,298; Feb. 14.
- Stoffel, George A., Huntington, Ind. Dish-drying rack. No. 1,406,773; Feb. 14.
- Straka, Jaroslav, Chicago, Ill. Detachable clip for measuring devices. No. 1,406,774; Feb. 14.
- Strite, George T., assignor of one-half to H. W. Bolens, Minneapolis, Minn., and one-fourth to C. J. Travers, Port Washington, Wis. Fan governor for thrashing machines. No. 1,406,427; Feb. 14.

- Strom, Eugene N., and A. E. Blomstrand, assignors to Pettibone Mulliken Company, Chicago, Ill. Railway crossing. No. 1,406,909; Feb. 14.
- Stuart, Alexander T., Toronto, Ontario, Canada, assignor to Stuart Electrolytic Cells, Incorporated, Wilmington, Del. Electrode and electrolytic battery. No. 1,406,339; Feb. 14.
- Stuart Electrolytic Cells, Incorporated. (See Stuart, Alexander T., assignor.)
- Sturt, Alfred T., New York, N. Y., assignor to General Motors Corporation, Detroit, Mich., Automobile body. No. 1,406,240; Feb. 14.
- Sturt, Alfred T., New York, N. Y., assignor to General Motors Corporation, Detroit, Mich. Body bracket for vehicle bodies. No. 1,406,241; Feb. 14.
- Sturt, Alfred T., New York, N. Y., and C. J. Whitacre, Janesville, Wis., assignors to General Motors Corporation, Detroit, Mich. Air-clearing device for internal-combustion engines. No. 1,406,299; Feb. 14.
- Sultzman, John V., Hannibal, Mo. Bread-labeling machine. No. 1,406,588; Feb. 14.
- Sutherland, Harry C., Oak Park, Ill. Wrench. No. 1,406,910; Feb. 14.
- Swett, Arthur H., assignor to American Tag Company, Chicago, Ill. Making sticker fastenings. No. 1,406,300; Feb. 14.
- Swingle, Charles M., Cleveland, Ohio. Mesograph. No. 1,406,775; Feb. 14.
- Swiss Machine-Tool Works, Oerlikon. (See Weiss, Albert, assignor.)
- Sykes, Leonard, Fort Wayne, Ind. Electrical heating appliance. No. 1,406,776; Feb. 14.
- Szilgeti, John, Torrington, Conn. Ice-cracking box. No. 1,406,589; Feb. 14.
- Szyperski, Edward V., Toledo, Ohio. Hose clamp. No. 1,406,242; Feb. 14.
- Talbot, Louise B., Augusta, Ga. Steam baker. No. 1,406,777; Feb. 14.
- Tani, Mango, Coney Island, N. Y. Cleaning material. No. 1,405,243; Feb. 14.
- Tarner, John R., Sparks, Nev. Snap hook. No. 1,406,911; Feb. 14.
- Tarras, Harry M. (See Gaskin, R. J., and Tarras.)
- Tate, Edward H., Malden, Mass. Mop head. No. 1,406,244; Feb. 14.
- Tate, John L., Chester, Pa. Steam engine. No. 1,406,700; Feb. 14.
- Teegarden, Chester H., Washington, D. C. Telegraph sounder. No. 1,406,428; Feb. 14.
- Teetsell, Ulysses G., Tarrytown, N. Y. Egg beater. No. 1,406,778; Feb. 14.
- Test, Ellis W., Michigan City, Ind. Sheet-metal car end. No. 1,406,701; Feb. 14.
- Thacher, George H., Jr., Albany, N. Y., assignor to Vincent Gilson Engineering Co. Inc. Stoker. No. 1,406,702; Feb. 14.
- Theofilos, Nicholas, Chicago, Ill. Electric heater. No. 1,406,912; Feb. 14.
- Thibadeau, Almira M., executrix. (See Thibadore, Henry E.)
- Thibadore, Henry E., deceased, Utica, N. Y., assignor of one-half to J. L. Thibadore, Lanesboro, Mass.; A. M. Thibadeau, executrix of H. E. Thibadore, deceased. Shower-bath chair. No. 1,406,779; Feb. 14.
- Thibadore, Joseph L. (See Thibadore, Henry E., assignor.)
- Thompson, Charles E., assignor to The Mine & Smelter Supply Company, Denver, Colo. Self-oiling rocker bearing. No. 1,406,780; Feb. 14.
- Thordarson, Chester H., Chicago, Ill. Laminated magnetic circuit structure for transformers. No. 1,406,245; Feb. 14.
- Tidewater Paper Mills Company. (See Allen, A. F., McCoy, and Sternberger, assignors.)
- Tiffany, Edward V. (See Rymer, John A., assignor.)
- Tiffany, Leverett W., Winsted, Conn. Dispensing device. No. 1,406,781; Feb. 14.
- Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Lens. No. 1,406,782; Feb. 14.
- Timberlake, Paul J., Jackson, Mich. Holder for electric lights and other purposes. No. 1,406,913; Feb. 14.
- Timmerman, Frederick W., St. Louis, Mo. Tent. No. 1,406,301; Feb. 14.
- Toay, Curtiss J. (See Dillon, W. C., Toay, and Haney.)
- Toay, William H. (See Dillon, W. C., Toay, and Haney.)
- Tobias, Hermann B., Philadelphia, Pa. Combination split-rim tool and long jack. No. 1,406,302; Feb. 14.
- Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountville, N. Y. Shutter slat. No. 1,406,303; Feb. 14.
- Tomsek, Frank J., Omaha, Nebr. Ventilator. No. 1,406,783; Feb. 14.
- Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Testing and adjusting apparatus for cord circuits. No. 1,406,246; Feb. 14.
- Townsend, Harry E., assignor to Anchor Cap & Closure Corporation, Brooklyn, N. Y. Duplex sealing machine. No. 1,406,703; Feb. 14.
- Travelers Insurance Company, The. (See Howard, James L., assignor.)
- Travers, Charles J., et al. (See Strite, George T., assignor.)
- Trumbull Electric Manufacturing Company, The. (See Regan, Joseph C., assignor.)
- Tubbs, Earl D., New York, N. Y., assignor to Igoe Brothers, Newark, N. J. Shaft coupling. No. 1,406,247; Feb. 14.
- Tucker, Henry T., Fort Smith, Ark. Mop. No. 1,406,248; Feb. 14.
- Turner Auto Lock Company. (See Turner, George W., assignor.)
- Turner, George W., assignor to Turner Auto Lock Company, Minneapolis, Minn. Automobile ignition lock. No. 1,406,784; Feb. 14.
- Tuttle, James N., Newton Center, Mass., assignor to General Electric Company. Recorder. No. 1,406,507; Feb. 14.
- Tweeddale, John, and F. B. McCrosky, Los Angeles, Calif. Minced sardines. No. 1,406,590; Feb. 14.
- Underwood Typewriter Company. (See Allard, J. Frank, assignor.)
- Unger, Ernest, New York, N. Y. Chandelier. No. 1,406,508; Feb. 14.
- United Alloy Steel Corporation. (See Caldwell, William L., assignor.)
- United Shoe Machinery Corporation. (See Boulton, George, assignor.)
- United Shoe Machinery Corporation. (See Brice, Arthur W., assignor.)
- United Shoe Machinery Corporation. (See Brock, Matthias, assignor.)
- United Shoe Machinery Corporation. (See Ferguson, George, assignor.)
- United Shoe Machinery Corporation. (See Fossa, Joseph, assignor.)
- United Shoe Machinery Corporation. (See Glass, Perley R., assignor.)
- United Shoe Machinery Corporation. (See Jorgensen, Bernhard, assignor.)
- United Shoe Machinery Corporation. (See Meyer, William C., assignor.)
- United Shoe Machinery Corporation. (See Pym, Charles F., assignor.)
- United Shoe Machinery Corporation. (See Wade, W. E., and Seely, assignors.)
- United States Envelope Company et al. (See Levine, Harry, assignor.)
- United States Fuse Corporation. (See Baker, Howard H., assignor.)
- United Printing Machinery Company. (See Belluche, Frank R., assignor.)
- Utility Compressor Company. (See Robison, Floyd W., assignor.)
- Valiquet, Louis P., assignor to The General Phonograph Manufacturing Company, Elyria, Ohio. Phonograph. No. 1,406,249; Feb. 14.
- Vance, Walter N., Chicago Heights, assignor to Durand Steel Locker Company, Chicago, Ill. Bin front. No. 1,406,304; Feb. 14.
- Van der Meersch, André E. M., London, England. Instrument for producing lines. No. 1,406,785; Feb. 14.
- Van Dorn Iron Works, The. (See Schaefer, Joseph F., assignor.)
- Van Husen, Norman W., Detroit, Mich. Draft regulator for furnaces. No. 1,406,305; Feb. 14.
- Varicle, Roger H., Los Angeles, Calif. Grapple. No. 1,406,704; Feb. 14.
- Varney, Merle A., Chicago, Ill. Fuel-controlling mechanism for internal-combustion engines. No. 1,406,591; Feb. 14.
- Vedovell, Rudolph J., assignor to Illinois Mechanical Leather Co., Chicago, Ill. Belting and the like. No. 1,406,306; Feb. 14.
- Victorson, Morris, New York, N. Y. Motor. No. 1,406,250; Feb. 14.
- Vinal, George W., and H. D. Holler, Washington, D. C. Dry cell. No. 1,406,429; Feb. 14.
- Vincent Gilson Engineering Co. (See Thacher, George H., Jr., assignor.)
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Detachable aircraft-propeller hub. No. 1,406,251; Feb. 14.
- Virgilio, Victor A., St. Louis, Mo. Adjustable safety guard for emery wheels. No. 1,406,914; Feb. 14.
- Viol, Charles H., assignor to Standard Chemical Company, Pittsburgh, Pa. Radium applicator. No. 1,406,509; Feb. 14.
- Vonnegut, Anton. (See Gathman, Monte B., assignor.)
- Wade, William E., Rockland and T. H. Seely, Malden, Mass., assignors, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Forming machine. No. 1,406,307; Feb. 14.
- Wagner, Albert J. (See Williams, R. A., and Wagner.)
- Warner, Clarence W., Brantford, Ontario, Canada. Table baseball. No. 1,406,308; Feb. 14.
- Wagner Electric Manufacturing Company. (See Fynn, Valere A., assignor.)
- Wahlberg, Nils J. A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Handle device for switches. No. 1,406,309; Feb. 14.
- Walsh, Harry C. H., Chicago, Ill. Automatic feed mechanism for punch presses. No. 1,406,310; Feb. 14.
- Walsh, Phillip J. (See Morelli, William, assignor.)
- Ward, Charles E., Baltimore, Md. Window. No. 1,406,786; Feb. 14.
- Warnock, Wallace S., Chicago, Ill. Printing-element holder. No. 1,406,787; Feb. 14.
- Washburn, Robert M. (See Heath, W. P., and Washburn.)
- Waterbury Clock Co. (See Wehinger, Frederick, assignor.)

- Watkins, Verna O., Atlanta, Ga. Educational board. No. 1,406,592; Feb. 14.
- Watson, William A., Malden, and W. Eustis, Newton, assignors to J. P. Eustis Manufacturing Company, Cambridge, Mass. Braking means for perforated music rolls. No. 1,406,430; Feb. 14.
- Weber, Louis, Charlottenburg, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Auricular telephone. No. 1,406,510; Feb. 14.
- Wehinger, Frederick, assignor to Waterbury Clock Co., Waterbury, Conn. Chime clock. No. 1,406,511; Feb. 14.
- Weill, Melville K., Brooklyn, and M. L. Cornell, New York, assignors to Beech-Nut Packing Company, Canajoharie, N. Y. Method of and apparatus for separating metal from paper. No. 1,406,252; Feb. 14.
- Weinerth, George S., Reading, Pa. Circular-knitting machine. No. 1,406,514; Feb. 14.
- Weinmann, Frederick, Lansing, Mich. Apparatus for trapping bank robbers. No. 1,406,788; Feb. 14.
- Weis Fibre Container Corporation, The. (See Wiesman, Frank J., assignor.)
- Weiss, Albert, Basserdorf, Zurich, assignor to Firm Swiss Maschine-Tool Works, Oerlikon, Oerlikon, Switzerland. Lathe-bed construction. No. 1,406,789; Feb. 14.
- Weiss, George C., Oakland, Calif. Amusement device. No. 1,406,431; Feb. 14.
- Welch, Jesse C., Tacoma, Wash. Amusement device. No. 1,406,705; Feb. 14.
- Wells, Samuel G., Chicago, Ill. Switch lock. No. 1,406,790; Feb. 14.
- Welsbach Company. (See Antrim, William D., assignor.)
- Wendel, Ada B., Smithland, Iowa. Window-curtain support. No. 1,406,311; Feb. 14.
- Wendt, Charles A., Milwaukee, Wis. Return-chute recovery tray. No. 1,406,593; Feb. 14.
- Wenterwest, Joseph F., Lebanon, assignor to one-half to J. M. McDermott, New Butler, Wis. Rail anchor. No. 1,406,594; Feb. 14.
- Werner, Ernest E., St. Louis, Mo. Producing emulsoids. No. 1,406,791; Feb. 14.
- Wescott, Ernest W., Niagara Falls, N. Y., assignor to Kalmus, Comstock & Wescott, Incorporated, Boston, Mass. Chloridizing apparatus. No. 1,406,596; Feb. 14.
- Wescott, Ernest W., Niagara Falls, N. Y., assignor to Kalmus, Comstock & Wescott, Incorporated, Boston, Mass. Ore treatment. No. 1,406,595; Feb. 14.
- Westcott, Ernest W., Niagara Falls, N. Y., assignor to Kalmus, Comstock & Wescott, Incorporated, Boston, Mass. Treating ores. No. 1,406,597; Feb. 14.
- Westerdahl, Olof J., Seattle, Wash. Saw-filing machine. No. 1,406,512; Feb. 14.
- Wessoleck, Shelden M., New Britain, Conn. Indicator for gasoline, etc. No. 1,406,312; Feb. 14.
- Western Electric Company. (See Baker, Lewis S., assignor.)
- Western Electric Company. (See Finley, Charles A., assignor.)
- Western Electric Company. (See Heising, Raymond A., assignor.)
- Western Electric Company. (See Maxfield, Joseph P., assignor.)
- Western Electric Company. (See McQuarrie, James L., assignor.)
- Western Electric Company. (See Mortimer, Louis A., assignor.)
- Western Electric Company. (See Ottman, Robert E., assignor.)
- Western Electric Company. (See Polinkowsky, Iapa, assignor.)
- Western Electric Company. (See Pugh, Harry W., assignor.)
- Western Electric Company. (See Sperry, Arthur B., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Atherton, Alfred L., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Beach, Howard L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Bouton, Edgar M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Demmler, Paul E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Ehrhart, Raymond N., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Frederick, Louis T., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Harvey, Albert L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hodgkins, Charles H., assignor.)
- Westinghouse Electric and Manufacturing Company. (See James, Henry D., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Johnston, Howard H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Lammers, Edwin S., Jr., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Lovell, William V., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Lundgren, Edwin, assignor.)
- Westinghouse Electric & Manufacturing Co., The. (See Miller, Charles F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Rose, Edward E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schaaek, William, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Smith, Benjamin H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Wahlberg, Nils J. A., assignor.)
- Westinghouse Electric Products Company. (See Forshee, Frank F., assignor.)
- Whitacre, Clarence J. (See Sturt, A. T., and Whitacre.)
- White, Gilbert E., Des Moines, Iowa. Driving mechanism. No. 1,406,313; Feb. 14.
- White, Joseph R., East Orange, N. J., assignor to Graphoscope Development Company, New York, N. Y. Friction driving mechanism. No. 1,406,792; Feb. 14.
- Whitehead, Linwood M., Norfolk, Va. Barrel-tallying machine. No. 1,406,314; Feb. 14.
- Whitley, William P., assignor to Rawlings Mfg. Co., St. Louis, Mo. Lacing tool. No. 1,406,793; Feb. 14.
- Whitley, William P., assignor to Rawlings Mfg. Co., St. Louis, Mo. Football trousers. No. 1,406,794; Feb. 14.
- Whitney, Miles L., et al. (See Davis, Harry B., assignor.)
- Whittaker, James B., Rochester, N. Y. Nut and bolt lock. No. 1,406,315; Feb. 14.
- Whitten, Frank A., assignor to General Motors Corporation, Detroit, Mich. Supporting mechanism for gear casings. No. 1,406,316; Feb. 14.
- Wiberg, Charles A. and V. B., Duluth, Minn., assignors to Wiberg Manufacturing Company. Spring shock absorber. No. 1,406,706; Feb. 14.
- Wiberg Manufacturing Company. (See Wiberg, Charles A. and V. B., assignors.)
- Wiborg, Victor E. (See Wiberg, Charles A. and V. B.)
- Wiesman, Frank J., assignor to The Weis Fibre Container Corporation, Monroe, Mich. Paper box. No. 1,406,707; Feb. 14.
- Wilcox, John L., Seattle, Wash. Ironing board. No. 1,406,515; Feb. 14.
- Wilkie, Theodore. (See Parker, J., and Wilkie.)
- Williams, Charles H., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-beam support. No. 1,406,915; Feb. 14.
- Williams, Jerome L. (See Williams, William S. and J. L.)
- Williams, Ralph A., and A. J. Wagner, Beloit, Wis. Shoulder brace. No. 1,406,795; Feb. 14.
- Williams, William, Toronto, Ontario, Canada. Combined safety catch and point protector for brooch pins. No. 1,406,708; Feb. 14.
- Williams, W. S. and J. L., Portland, Me. Handling groups of flat pieces in laundries. No. 1,406,516; Feb. 14.
- Williamson, James C., Cordele, Ga. Self-anchoring stump extractor. No. 1,406,317; Feb. 14.
- Willett, Alfred H. (See Himmelright, R. J., and Willett.)
- Wilson, Elmer A. (See Wilson, Elmer V. L., and E. A.)
- Wilson, Elmer V. L. and E. A., Niles, Ohio. Fuel-supply mechanism for internal-combustion engines. No. 1,406,598; Feb. 14.
- Wilson, Isaac A., Lakebay, Wash. Braking device for portable logging roads. No. 1,406,709; Feb. 14.
- Wilson, James P., San Francisco, Calif. Garment supporter. No. 1,406,796; Feb. 14.
- Wilson, John A., Elizabeth, assignor to The Duratex Company, Newark, N. J. Coated fabric and making same. No. 1,406,710; Feb. 14.
- Wilson, Sylvester F., East St. Louis, Ill. Dish-washing machine. No. 1,406,599; Feb. 14.
- Winter, William G., St. Louis, Mo. Electric motor switch. No. 1,406,432; Feb. 14.
- Wirt, William J., Breckenridge, Minn. Automatic train-stop means. No. 1,406,797; Feb. 14.
- Wittel, Otto, Mount Vernon, N. Y., assignor to General Optical Company. Lens-cutting machine. No. 1,406,798; Feb. 14.
- Wold, Carl O. (See Anderson, A., and Wold.)
- Wolff, Lorenz R., Los Angeles, Calif. Phonograph. No. 1,406,711; Feb. 14.
- Wolpert, Albert, Pittsburgh, Pa. Adding and subtracting device. No. 1,406,712; Feb. 14.
- Woodard, William E., Forest Hills, N. Y. Centering device for trucks. No. 1,406,801; Feb. 14.
- Wood, Albert B., New Orleans, La. Valve. No. 1,406,799; Feb. 14.
- Wood, Arthur J., Birmingham, Mich. Buckle. No. 1,406,517; Feb. 14.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Pump for stereotyping and means for supplying metal thereto. No. 1,406,518; Feb. 14.
- Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
- Wood, Thomas E., Amarillo, Tex. Gas stove. No. 1,406,800; Feb. 14.
- Woods, S. A., Machine Company. (See Medholdt, Louis T., assignor.)
- Worthington Pump and Machinery Corporation. (See Fleming, W. M., and Brigham, assignors.)
- Wright, Bedie A., Hurdle Mills, N. C. Clothes-boiling and canning stove. No. 1,406,318; Feb. 14.

Wright, George M., Worcester, Mass. Wire lathing. No. 1,406,519; Feb. 14.
 Wygodsky, Leon, assignor to Baltimore Oil Engine Company, Baltimore, Md. Combined air pump and starter motor mechanism for internal-combustion engines. No. 1,406,319; Feb. 14.
 Yale and Hopewell Company. (See Yale, Rodney H., assignor.)
 Yale, Rodney H., assignor to Yale and Hopewell Company, Lincoln, Nebr. Lubricator. No. 1,406,320; Feb. 14.
 Yeldham, Harmon J., Chicago, Ill. Ventilator. No. 1,406,321; Feb. 14.

Young, Benjamin L., St. Joseph, Mo. Safety shutter for moving-picture apparatus. No. 1,406,802; Feb. 14.
 Zahm, Albert F., Buffalo, N. Y., assignor to Curtiss Aeroplane & Motor Corporation. Propeller-hub construction. No. 1,406,600; Feb. 14.
 Zalewski, Ignacy F., Ansonia, Conn. Liquid-fuel-burning apparatus. No. 1,406,520; Feb. 14.
 Zander, John, Chicago, Ill. Gas furnace. No. 1,406,713; Feb. 14.
 Zipp, Arthur J., Charlevoix, Mich. Hoisting apparatus for raising sunken logs and the like. No. 1,406,714; Feb. 14.

ALPHABETICAL LIST OF PATENTEES OF DESIGNS.

Altorfer, Alpheus W., Peoria, Ill. Washing-machine cabinet. No. 60,393; Feb. 14.
 American Fabrics Company, The. (See Monk, Thomas, assignor.)
 American Fabrics Company, The. (See Page, Samuel H., assignor.)
 American Fabrics Company, The. (See Phillips, Hans A., assignor.)
 Armstrong Cork Company. (See Humphreys, Charles F., assignor.)
 Armstrong Cork Company. (See Post, Cornelia M., assignor.)
 Baker, Frederick C., Portland, Oreg. Combined nutcracker and bowl. No. 60,394; Feb. 14.
 Brockman, Oscar, Louisville, Ky. Vending vehicle. No. 60,395; Feb. 14.
 Budlong, Standish S., Rockford, Ill. Lavatory fixture. No. 60,396; Feb. 14.
 Cohen, Harold F., assignor to Chas. Green Company, Inc., New York, N. Y. Sample card. No. 60,397; Feb. 14.
 Curtiss, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Toaster. No. 60,398; Feb. 14.
 Ebert, Bert L., Long Beach, Calif. Vehicle body. No. 60,399; Feb. 14.
 Fageol, Rollie B., Oakland, Calif. Motor-driven vehicle. No. 60,400; Feb. 14.
 Galle, Edward E., Los Angeles, Calif. Paste pot. No. 60,401; Feb. 14.
 Gillette Safety Razor Company. (See Wharton, Edward R., assignor.)
 Green, Chas., Company. (See Cohen, Harold F., assignor.)
 Humphreys, Charles F., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum, oilcloth, or floor covering. Nos. 60,402-11; Feb. 14.
 Humphreys, Harry S., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum, oilcloth, or floor covering. Nos. 60,412-15; Feb. 14.
 Jacoby, Charles N., assignor to Richardson Corporation, Rochester, N. Y. Dispensing faucet. No. 60,416; Feb. 14.

Kleidman, Joseph, New York, N. Y. Temperature indicator for radiators of automobiles. No. 60,417; Feb. 14.
 Kreisler, Jacques, New York, N. Y. Finger ring. No. 60,418; Feb. 14.
 Landers, Frary & Clark. (See Curtiss, George E., assignor.)
 McDonough, Richard J., Cleveland, Ohio. Signal-lamp casing. No. 60,420; Feb. 14.
 Monk, Thomas, Bridgeport, Conn., assignor to The American Fabrics Company, Lacey, Wash. No. 60,419; Feb. 14.
 Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lacey, Wash. Nos. 60,421-3; Feb. 14.
 Pecoraro, Peter, Brooklyn, N. Y. Combination tray. No. 60,424; Feb. 14.
 Phillips, Hans A., Stratford, Conn., assignor to The American Fabrics Company, Lacey, Wash. No. 60,425; Feb. 14.
 Post, Cornelia M., Langhorne, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum, oilcloth, or floor covering. Nos. 60,426-7; Feb. 14.
 Quinn, Gilbert F., assignor to Simplex Rubber Company, Boston, Mass. Rubber heel. No. 60,428; Feb. 14.
 Raniville, Francis F., Grand Rapids, Mich. Belt package. No. 60,429; Feb. 14.
 Richardson Corporation. (See Jacoby, Charles N., assignor.)
 Sebulske, Frederick C., assignor to Sunny Line Appliances, Incorporated, Detroit, Mich. Washing-machine frame. No. 60,430; Feb. 14.
 Simplex Rubber Company. (See Quinn, Gilbert F., assignor.)
 Sunny Line Appliances, Incorporated. (See Sebulske, Frederick C., assignor.)
 Trego, Joseph A., Philadelphia, Pa. Brush. No. 60,431; Feb. 14.
 Wertin, Clara W., Duluth, Minn. Toy bear, doll, or similar article of manufacture. Nos. 60,432-4; Feb. 14.
 Wharton, Edward R., Medford, assignor to Gillette Safety Razor Company, Boston, Mass. Handle for a safety razor. Nos. 60,435-6; Feb. 14.
 Volk, Samuel, Rochester, Mass. Toy whistle. No. 60,437; Feb. 14.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- American Finance & Commerce Company, San Francisco, Calif. Wheat flour. Nos. 151,656-7; Feb. 14.
- American Grocers Society, Inc., Newark, N. J. Tea and coffee. No. 151,658; Feb. 14.
- American Manufacturing Company, Boston, Mass., and Brooklyn, N. Y. Rope, cord, and twine. No. 152,045; Feb. 14.
- American Milk Products Corporation, New York, N. Y. Unsweetened evaporated milk. No. 151,663; Feb. 14.
- American Poultry Farms, Churubusco, Ind. Live poultry, eggs, and baby chicks. No. 151,659; Feb. 14.
- American Sugar Products Corp., Los Angeles, Calif. Table sirup. No. 151,660; Feb. 14.
- American Universal Coffee Company, Dallas, Tex. Coffee. Nos. 151,661-2; Feb. 14.
- Angell, James R., New Orleans, La. Sirup remedy for coughs and whooping coughs, colds, and bronchitis. No. 151,664; Feb. 14.
- Art Craft Shops Company, St. Louis, Mo. Certain correspondence paper and envelopes. No. 151,665; Feb. 14.
- Ashland Tire and Rubber Company, The, Ashland, Ohio. Certain tires, tubes, and repair parts thereof. No. 151,666; Feb. 14.
- Associated Fruit Co., Chicago, Ill. Fresh grapes. No. 151,667; Feb. 14.
- Atlas Truck Corporation, York, Pa. Electric omnibuses or passenger vehicles. No. 152,016; Feb. 14.
- Auerbach, D., & Sons, New York, N. Y. Chocolates. No. 152,047; Feb. 14.
- Aultman, Inc., Milwaukee, Wis. Signs of a structural or mechanical nature. No. 151,668; Feb. 14.
- Automatic Electrical Devices Company, Cincinnati, Ohio. Electrical switchboards. No. 152,048; Feb. 14.
- B. & W. Mfg. Co., Bloomington, Ill. Poultry feeding and drinking receptacles. No. 151,695; Feb. 14.
- Badenhausen, John P., Philadelphia, Pa. Steam boilers. No. 152,049; Feb. 14.
- Baeder Adamson Company, Boston, Mass. Flint paper and flint cloth, garnet paper, and garnet cloth, emery paper, and emery cloth. No. 151,653; Feb. 14.
- Baeder Adamson Company, Boston, Mass. Flint paper and flint cloth. No. 151,654; Feb. 14.
- Barfield, Joseph, New York, N. Y. Watches and watch movements. No. 151,669; Feb. 14.
- Barnes, Bert E., Brooklyn, N. Y. Magazines published monthly. No. 152,017; Feb. 14.
- Bauer & Black, Chicago, Ill. Soap. No. 151,670; Feb. 14.
- Baynton Mills, Philadelphia, Pa. Sweaters, sweater coats. No. 151,671; Feb. 14.
- Beattie, David A., Porterville, Calif. Fresh citrus fruit. No. 151,672; Feb. 14.
- Beiersdorf, P., & Co. Inc., New York, N. Y. Lacto-albuminous solution used for subcutaneous injection. No. 151,673; Feb. 14.
- Bennett, Fred S., Inc., New York, N. Y. Waterproof fabrics. No. 151,674; Feb. 14.
- Bernstein Bros., New York, N. Y. Certain household furniture. No. 151,675; Feb. 14.
- Berriman, Charles S., New York, N. Y. Periodical published monthly. No. 152,018; Feb. 14.
- Bill, William C., Hartford, Conn. Men's and boys' hats. No. 151,676; Feb. 14.
- Birkenfeld, Strauss & Co., New York, N. Y. Aprons, bungalow aprons, and house dresses. No. 151,677; Feb. 14.
- Black, Arthur, Toledo, Ohio. Dolls. No. 152,019; Feb. 14.
- Black Hawk Tire & Rubber Company, Des Moines, Iowa. Rubber and rubber and fabric tires and inner tubes. No. 151,678; Feb. 14.
- Blanding & Blanding Inc., Providence, R. I. Medicinal preparation for certain uses. Nos. 151,679-80; Feb. 14.
- Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabric in the piece. No. 151,681; Feb. 14.
- Bonovin, Limited, Liverpool, England. Malt food. No. 151,682; Feb. 14.
- Borgfeldt, George, & Co., New York, N. Y. Sewing-neddes. No. 151,683; Feb. 14.
- Bradshaw, Edward D., New York, N. Y. Salted popcorn and popcorn in its natural state. No. 151,684; Feb. 14.
- Brassington Photo System, Inc., Chicago, Ill. Gummed photographs for advertising purposes. No. 152,020; Feb. 14.
- Braunschweiger Cementwerke, Brunswick, Germany. Cement. No. 19,874; renewed July 14, 1920.
- Brawley, Thella R., Brooklyn, N. Y. Chair pads. No. 151,685; Feb. 14.
- Bridgeport Coach Lace Co., The, Bridgeport, Conn. Rubberized top fabric. No. 152,050; Feb. 14.
- Briggs & Stratton Company, Milwaukee, Wis. Monthly magazines. No. 151,686; Feb. 14.
- Broadway Bargain House, New York, N. Y. Certain textile fabrics and piece goods, hair nets, and lace curtains. No. 152,051; Feb. 14.
- Brockhoff, Josie, Salt Lake City, Utah. Medicinal preparation for the treatment of diseases of the female organs. No. 151,687; Feb. 14.
- Brown, Clarence W., Philadelphia, Pa. Candies. No. 151,688; Feb. 14.
- Brown Shoe Company, Inc., St. Louis, Mo. Boys' shoes of leather. No. 151,689; Feb. 14.
- Burnstine and Nachman, New York, N. Y. Crochet cottons and embroidery cotton. No. 151,692; Feb. 14.
- Burrows, Eastman A., Chicago, Ill. Display and dispensing counter for stores. No. 151,693; Feb. 14.
- Burson Knitting Company, Rockford, Ill. Knit goods—namely, hosiery. No. 151,694; Feb. 14.
- Byrnes, Eugene, New York, N. Y. Boys' fabric and leather shoes. No. 151,696; Feb. 14.
- Cabinets, Kitchen, McDougall Company. No. 151,867; Feb. 14.
- California Cotton Mills Company, Oakland, Calif. Cotton mops. No. 151,697; Feb. 14.
- California Growers Association, Inc., Los Angeles, Calif. Canned and dried fruits, olive oil, honey, etc. No. 151,698; Feb. 14.
- California Growers Association, Inc., Los Angeles, Calif. Canned fruits, except olives and canned vegetables. No. 151,699; Feb. 14.
- California Prune and Apricot Growers, Inc., San Jose, Calif. Dried and canned fruits, fruit butter, and jam. No. 151,700; Feb. 14.
- Cardinet Candy Company, Oakland, Calif. Chocolate-coated candy. No. 151,701; Feb. 14.
- Carpenter Steel Company, The, Reading, Pa. Tool steels in bars, etc. Nos. 151,702-3; Feb. 14.
- Carrib Mfg. Corporation, Rochester, N. Y. Carbon paper and typewriter ribbons. No. 151,704; Feb. 14.
- Carter, George R., Company, The, Connerville, Ind. Molding for upholstering. No. 151,705; Feb. 14.
- Carvy Candy Co., Philadelphia, Pa. Candy. No. 151,706; Feb. 14.
- Caulk, L. D., Company, The, Milford, Del. Certain tooth polishes used by dentists. No. 152,052; Feb. 14.
- Central Bond & Mortgage Co., Chicago, Ill. Publication issued monthly. No. 152,021; Feb. 14.
- Chauovitz, Abraham, New York, N. Y. Men's silk dress shirts. No. 151,707; Feb. 14.
- Charter Chocolate Company, Boston, Mass. Candy. Nos. 151,708-9; Feb. 14.
- Chemical Sales Company, Philadelphia, Pa. Chemical compounds sold as jewelers' cleaners, metal cleaners, and electroplaters' cleaners. No. 151,710; Feb. 14.
- Chinoi gyógyszer és vegyszeti termékek gyára r. t. (Dr. Kereszty és Dr. Wolf), Ujpest, Hungary. Preparations for distoma. No. 151,711; Feb. 14.
- Cincinnati Art Publishing Company, The, Cincinnati, Ohio. Picture-card art novelties in the form of printed or hand-tinted cut-out figures. No. 152,022; Feb. 14.
- City Creamery Co. Inc., Birmingham, Ala. Sweet milk, buttermilk, cream, and butter. No. 151,712; Feb. 14.
- Clark Thread Company, Newark, N. J. Cotton thread. No. 20,528; renewed Dec. 29, 1921.
- Clark Thread Company, Newark, N. J. Spool cotton. No. 20,616; renewed Jan. 19, 1922.
- Clark Thread Company, Providence, R. I. Cotton thread. Nos. 20,608-9; renewed Jan. 19, 1922.
- Cohen, Nathan B., Scranton, Pa. Hair nets. No. 152,053; Feb. 14.
- Cohn-Goodman Company, The, Cleveland, Ohio. Ladies' and misses' coats, suits, and dresses. No. 151,713; Feb. 14.
- Cole - Granas - Enderlin Company, Los Angeles, Calif. Child's romper. No. 151,714; Feb. 14.
- Colorado Milling & Elevator Company, The, Denver and Eaton, Colo. Wheat flour. No. 151,715; Feb. 14.
- Columbia Carbon Company, The, Dayton, Ohio. Inked ribbons and carbon sheets for duplicating or transferring impressions. No. 151,716; Feb. 14.
- Columbia Graphophone Manufacturing Company, New York, N. Y. Brushes for phonograph records. No. 152,023; Feb. 14.
- Commercial Newspaper Company, New York, N. Y. Page or department in a periodical publication. No. 151,717; Feb. 14.
- Conley Foil Company, The, New York, N. Y. Decoration of shredded tin-foil for Christmas trees. No. 151,718; Feb. 14.
- Cooke, Frank V., Detroit, Mich. Vehicle springs. No. 151,719; Feb. 14.
- Cooper, Coate & Casey Dry Goods Co., Los Angeles, Calif. Blue chambray chevrot used as a shirting material. No. 152,054; Feb. 14.
- Coopers Creek Chemical Company, West Conshohocken, Pa. Liquid fuel for internal-combustion engines, benzol, toluol, and naphtha. No. 151,720; Feb. 14.
- Corcoran, Harry, Chicago, Ill. Liquid malt extract. No. 151,721; Feb. 14.
- Cord Interwoven Patch Co., The, Detroit, Mich. Rubber patches having cord interwoven therein for tire casings and tire inner tubes. No. 151,722; Feb. 14.
- Corset Supply House, The, New York, N. Y. Brassières and diaphragm supporters. No. 151,723; Feb. 14.

- Cotaroid Company, The, New York, N. Y. Artificial leather. No. 151,724; Feb. 14.
- Crassopoulos, G. C., New York, N. Y. Beans, sugar, food oils, rice, etc. No. 151,729; Feb. 14.
- Culp, Abraham, New York, N. Y. Phonograph cabinets. No. 151,725; Feb. 14.
- Cupid Underwear Company, Inc., Walden, N. Y. Woven silk underwear for women and misses. No. 151,726; Feb. 14.
- Curtiss Candy Co., Chicago, Ill. Chocolate-coated peanut candy having a marshmallow center. No. 151,727; Feb. 14.
- Curtize, Antoine, Erie, Pa. Coffee. No. 151,728; Feb. 14.
- Cushing, J., Co., Fitchburg, Mass. Wheat feed, stock feed, balanced ration. No. 152,055; Feb. 14.
- Dahl, H. G., Oakland, Calif. Soap. No. 151,730; Feb. 14.
- Davis, Loyal E., Seattle, Wash. Waterproof dressing for automobile tops, leather, and textiles. No. 151,731; Feb. 14.
- Dayton Rubber Manufacturing Co., The, Dayton, Ohio. Rubber tires and tubes. No. 151,732; Feb. 14.
- Decker, Jacob E., & Sons, Mason City, Iowa. Sausage, potted meat, corned-beef hash, and cereal. No. 151,733; Feb. 14.
- Delco Hosiery & Underwear Co. Inc., New York, N. Y. Hosiery and knitted underwear. No. 151,734; Feb. 14.
- De Lisle, Harold L., Chicago, Ill. Filing cabinets. No. 151,735; Feb. 14.
- Delpach, Jules, Oakland, Calif. Mustard, French dressing, mayonnaise, etc. No. 152,056; Feb. 14.
- Denny, Hilborn & Rosenbach, Philadelphia, Pa. Bronze liquids and certain paints and colors. No. 152,057; Feb. 14.
- De Pinna, A., Co., Inc., New York, N. Y. Certain articles of clothing. No. 151,736; Feb. 14.
- Des Moines Incubator Company, Des Moines, Iowa. Grain sprouters, metal nests, drinking fountains, and feed hoppers. No. 152,058; Feb. 14.
- Detroit Steel Products Company, Detroit, Mich. Vehicle springs. No. 152,059; Feb. 14.
- Deubener, Walter H., St. Paul, Minn. Shopping bags. Nos. 152,060-1; Feb. 14.
- Diadem Mfg. Co., Fitchburg, Mass. Certain notions and fancy goods. No. 151,737; Feb. 14.
- Direct Coffee Mills, Texarkana, Ark. Coffee. No. 151,738; Feb. 14.
- Dollfus-Mieg & Cie. Société Anonyme, Mulhouse, Alsace, France. Braids and articles of passementerie made of textiles of all kinds. No. 151,739; Feb. 14.
- Downey, John G., Burgettstown, Pa. Washing compound. No. 151,740; Feb. 14.
- Dunlop Rubber Co. Ltd., The, Aston Cross, Birmingham, England. Golf balls. No. 152,024; Feb. 14.
- Dunn, John, Son, & Co., New York, N. Y. Filters and refrigerators. No. 151,741; Feb. 14.
- Durable Utilities Mfg. Corp., Port Chester, N. Y. Cotton buffs. No. 151,742; Feb. 14.
- Durham Cotton Mfg. Co., East Durham, N. C. Gingham in the piece. No. 152,062; Feb. 14.
- Eastman Kodak Company, Rochester, N. Y. Monthly magazine. No. 152,025; Feb. 14.
- Efficiency Electric Corporation, New York, N. Y. Electrical phonograph motors. No. 151,743; Feb. 14.
- Electric Smelting & Aluminum Co. Inc., The, Lockport, N. Y. Soluble chemical compounds used as detergents. Nos. 151,745-7; Feb. 14.
- Emery, James H., Inwood Park, N. Y. Artificial fruit. No. 151,748; Feb. 14.
- Empire Notion Co., New York, N. Y. Hairpins. No. 151,749; Feb. 14.
- Eng-Skell Company, Inc., San Francisco, Calif. Flavoring compound for use in food sirups, candies, confectionery, etc. No. 151,744; Feb. 14.
- Escofet y Haag, Rafael, Tarragona, Spain. Unfermented grape juice, etc. No. 152,038; Feb. 14.
- Essex Press, Inc., The, Newark, N. J. Books, booklets, catalogues, printed and engraved matter, etc. No. 151,750; Feb. 14.
- Fabrique De Montres Selva, S. A., Bienne, Switzerland. Watches and parts of watches. No. 151,751; Feb. 14.
- Fagan, K. B., Burlington, Iowa. Concentrated extract of malt sugar used for food purposes. No. 151,752; Feb. 14.
- Falk, American Potato Flour Corporation, Pittsburg, Pa. Potato flour. No. 151,753; Feb. 14.
- Farmers' Commission House, Inc., New York, N. Y. Live and dressed ducks. No. 151,754; Feb. 14.
- Fasseas & Onofrio, Detroit, Mich. Coffee. No. 151,755; Feb. 14.
- Fenton, Henry D., Coldwater, N. Y. Salve for treatment of wounded, sore, or galled horses. No. 151,756; Feb. 14.
- Field & Stream Publishing Company, New York, N. Y. Annual periodical. No. 152,026; Feb. 14.
- Fisher, Nath'l & Co., New York, N. Y. Boots, shoes, slippers, and soles therefor. No. 152,098; Feb. 14.
- Fisk Rubber Company, The, Chicopee Falls, Mass. Tire-repair material for rubber tires. No. 151,064; Feb. 14.
- Fitzpatrick Bros., Chicago, Ill. Soaps. Nos. 151,757-8; Feb. 14.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. Compressed yeast and yeast mixtures. No. 151,760; Feb. 14.
- Fleischer, Joseph, New York, N. Y. Face and hair nets. No. 152,063; Feb. 14.
- Foley, E. Y., Fresno, Calif. Fresh grapes, dried fruits, and fresh deciduous fruits. No. 151,762; Feb. 14.
- Folger, J. A., & Co., San Francisco, Calif. Tea and coffee. No. 151,761; Feb. 14.
- Foltz, Stewart P., New Castle, Pa. Metal tokens or saving checks. No. 151,763; Feb. 14.
- Forman Bassett Company, The, Cleveland, Ohio. Safety paper. No. 151,764; Feb. 14.
- Fowler, John E., Rosslyn, Va. Nonalcoholic, maltless beverages and sirups for making the same. No. 152,065; Feb. 14.
- Fowler Packing Company, Kansas City, Kans. Lard and dry salt and sweet-pickled pork. No. 151,765; Feb. 14.
- Fox River Company, The, Elgin, Ill. Scouring powders. No. 151,766; Feb. 14.
- Frances Fox Laboratories, Incorporated, New York, N. Y. Soap for hair and skin. No. 151,768; Feb. 14.
- Frank, Isadore, New York, N. Y. Men's and boys' suits, trousers, top coats, raincoats, etc. No. 151,767; Feb. 14.
- Galdo Dulzaides y Compania, Cardenas, Cuba. Roofing paper in rolls. No. 152,066; Feb. 14.
- Galloway-West Company, Fond du Lac, Wis. Evaporated milk. No. 151,769; Feb. 14.
- Gardiner-Lucas Co. Inc., The, Brooklyn, N. Y. Hollow sticks of sugar candy. No. 151,770; Feb. 14.
- Gardiner-Lucas Co. Inc., The, Brooklyn, N. Y. Sugar candy. No. 151,771; Feb. 14.
- Garrity, L. M. & Co., Inc., Boston, Mass. Certain hair wavers, ornaments, combs, and hair binders. No. 152,067; Feb. 14.
- Gebrieder, Buhler, Uzwil, Switzerland. Silos. No. 151,690; Feb. 14.
- Gem Crib & Cradle Company, Gardner, Mass. Cribs, cradles, and certain named nursery furniture. No. 151,772; Feb. 14.
- General Tire & Rubber Co., The, Akron, Ohio. Certain tires, tubes, casings, patches, etc. No. 152,068; Feb. 14.
- Gillette Rubber Co., Eau Claire, Wis. Rubber-tire casings. No. 151,773; Feb. 14.
- Globe Cotton Oil Mills, Los Angeles, Calif. Salad and cooking oil made from cotton seed. No. 151,774; Feb. 14.
- Globe Soap Company, The, Cincinnati, Ohio. Soap. No. 151,775; Feb. 14.
- Goldberg Reuben L., New York, N. Y. Series of cartoons. No. 151,777; Feb. 14.
- Goldenberg, David, Philadelphia, Pa. Candy. No. 151,776; Feb. 14.
- Goldman, Sigmund L., Chicago, Ill. Malt and fruit extracts and sirups. No. 151,778; Feb. 14.
- Goodyear Tire & Rubber Company, The, Akron, Ohio. Elastic vehicle tires and tubes therefor composed wholly or in part of rubber. No. 151,779; Feb. 14.
- Gottmann, Theodore & Sons, Chicago, Ill. Candy. No. 151,780; Feb. 14.
- Grady Mfg. Co., The, Long Island City, N. Y. Tile and porcelain cleanser. No. 151,781; Feb. 14.
- Graham-Bumgarner Company, Parkersburg, W. Va. Shoes made wholly or in part of leather. No. 152,069; Feb. 14.
- Gram, Barnett L., St. Louis, Mo. Men's, boys', and children's hats and caps. No. 151,782; Feb. 14.
- Granger & Co., Buffalo, N. Y. Coffee. No. 151,783; Feb. 14.
- Gray, John & Company, Limited, Glasgow, Scotland. Fruit jams, jellies, preserves, and marmalade. No. 151,784; Feb. 14.
- Greenbaum Bros., Inc., Seaford, Del. Catsup and chilli sauce. No. 151,786; Feb. 14.
- Green and Green Company, The, Dayton, Ohio. Cheese crackers. No. 151,785; Feb. 14.
- Grosset & Dunlap, Inc., New York, N. Y. Series of books published periodically. Nos. 151,787-8; Feb. 14.
- H. L. G. Manufacturing Company, Indianapolis, Ind. Shock absorbers for motor vehicles. No. 151,807; Feb. 14.
- Hadfields, Limited, Sheffield, England. Certain horse-drawn and motor vehicles and ships' propellers. No. 151,789; Feb. 14.
- Hadley Co., The, Springfield, Ohio. Certain household furniture. No. 151,790; Feb. 14.
- Hall, Martin L., Company, Boston, Mass. Coffee. No. 151,791; Feb. 14.
- Hammerbacher, George D., Baltimore, Md. Peanut taffy and other taffy and chocolate marshmallows. No. 151,792; Feb. 14.
- Harrer, Edith E., Canandaigua, N. Y. Ice-cream. No. 151,793; Feb. 14.
- Harrow-Taylor Butter Co., Kansas City, Mo. Oleomargarine. No. 152,070; Feb. 14.
- Hartman, Milton, Detroit, Mich. Pamphlets, circulars, etc. No. 151,794; Feb. 14.
- Hartmann, Thomas W., Philadelphia, Pa. Vehicle springs. No. 151,795; Feb. 14.
- Hawaiian Pineapple Company, Limited, San Francisco, Calif., and Honolulu, Territory of Hawaii. Canned pineapple. Nos. 151,797-800; Feb. 14.
- Hawley & Hoops, New York, N. Y. Candy. No. 151,801; Feb. 14.
- Heck, Adolph M., Los Angeles, Calif. Inked ribbons and carbon sheets. No. 151,802; Feb. 14.

- Hecker-Jones-Jewell Milling Company, New York, N. Y. Flour, corn meal flakes, rice oatmeal, etc. No. 151,803; Feb. 14.
- Heit Miller Lau Co., Fort Wayne, Ind. Candy. No. 151,804; Feb. 14.
- Heller, R. C. Company, The, Baltimore, Md. Feather pillows. No. 151,805; Feb. 14.
- Henningsen Produce Co., Butte, Mont. Butter, eggs, ice-cream, cheese, etc. No. 151,806; Feb. 14.
- Herzog, Albert, New York, N. Y. Silks, velvets, satins, plushes, cords, and ribbons. No. 20,717; renewed Feb. 16, 1922.
- Hirsch Bros. & Co., Inc., Louisville, Ky. Chowchow, pickles, catsup, salad dressing, etc. No. 152,071; Feb. 14.
- Hoerr-Adam Shoe Company, Belleville, Ill. Leather shoes. No. 152,027; Feb. 14.
- Hoffman & Hauck, Inc., Woodhaven, N. Y. Olive oil, mayonnaise, maple sugar, honey, etc. No. 151,796; Feb. 14.
- Hood, Clement J., Commerce, Ga. Fresh peaches. No. 152,072; Feb. 14.
- Hooper, Wm. E., & Sons Co., Baltimore, Md. Certain belting, hose, filter tubing, packing, etc. No. 151,809; Feb. 14.
- Hosiery Clearing House Inc., New York, N. Y. Hosiery. No. 151,810; Feb. 14.
- Howden, K. Company, Monterey, Calif. Canned fish. No. 151,808; Feb. 14.
- Hoyt, Jesse N., Delaware, Ohio, Powder for general household cleaning purposes. No. 151,811; Feb. 14.
- Hudson Leather Company, Albany, N. Y. Leather. No. 152,028; Feb. 14.
- Hutmacher Braiding Company, The, Paterson, N. J. Shoe laces. Nos. 151,812-3; Feb. 14.
- Illinois Razor Strop Company, Chicago, Ill. Razor strops. Nos. 151,814-5; Feb. 14.
- Inderrieden Canning Co., Chicago, Ill. Canned vegetables. No. 151,816; Feb. 14.
- Indiana Rubber and Insulated Wire Company, The, Jonesboro, Ind. Insulated wires and electric cables and insulating material. No. 20,916; renewed Mar. 29, 1922.
- Instant Extract Company, Monessen, Pa. Nonalcoholic, maltless flavoring extracts for birch beer, etc. No. 151,817; Feb. 14.
- International Association of Lions Clubs, Chicago, Ill. Monthly periodical. No. 152,030; Feb. 14.
- International Association of Lions Clubs, Chicago, Ill. Periodicals issued monthly, bulletins, and circulars. No. 152,029; Feb. 14.
- Isaacs, Edward J., New York, N. Y. Knitted hosiery; underwear, and petticoats for women. No. 151,818; Feb. 14.
- J. L. Aircraft Corporation, New York, N. Y. Aeroplanes. No. 151,655; Feb. 14.
- James Lees and Sons Company, Bridgeport, Pa. Package outfits containing certain goods. No. 151,839; Feb. 14.
- Jessal Company, The, Brooklyn, N. Y. Cushions. No. 151,819; Feb. 14.
- Jiffy Pen Company, Sioux City, Iowa. Writing inks. No. 151,820; Feb. 14.
- Johnson, Clarence P., Sheldon, Ill. Nonalcoholic, maltless beverage. No. 151,821; Feb. 14.
- Johnson, W. H., Union City, Tenn. Insecticide. No. 151,822; Feb. 14.
- Jones, John H., New York, N. Y. Certain springs, mattresses, and pillows. No. 151,823; Feb. 14.
- Jonson Eureka Combination Spray Co., Yakima, Wash. Insecticide. Nos. 151,824-5; Feb. 14.
- Juan & McCormack, New York, N. Y. Condensed milk. No. 152,031; Feb. 14.
- Jungwaelter, Frank, St. Louis, Mo. Bread. No. 151,826; Feb. 14.
- Jungwaelter, Frank, St. Louis, Mo. Potato rye bread. No. 151,827; Feb. 14.
- Kalamazoo Corset Company, Kalamazoo, Mich. Corsets. No. 152,087; Feb. 14.
- Kane, Thomas B., Philadelphia, Pa. Nonalcoholic, noncereal, maltless beverage and sirup for making same. No. 151,828; Feb. 14.
- Katz & Davidson, New York, N. Y. Outer shirts. No. 152,088; Feb. 14.
- Keen Kola Manufacturing Company, Dallas, Tex. Nonalcoholic, maltless beverage and sirups for making same. No. 152,032; Feb. 14.
- Keller, Albert P., New Orleans, La. Writing inks. No. 151,829; Feb. 14.
- Kelly Busy Corner Company, The, Middletown, Conn. Mayonnaise dressing. No. 151,830; Feb. 14.
- Kelly, John H., Bellingham, Wash. Preparation adapted for cleaning glass and preventing accumulation of mist, rain, and frost thereon. No. 151,831; Feb. 14.
- Kensington Bulletin, The, Philadelphia, Pa. Weekly publication. No. 151,691; Feb. 14.
- Kitchen Products Co., Brooklyn, N. Y. Stove polish. No. 151,832; Feb. 14.
- Klar, Adolph, New York, N. Y. Hair nets. No. 152,089; Feb. 14.
- Knight, Joseph M., Elfers, Fla. Fresh oranges, grapefruit, lemons, limes, and all citrus fruits. No. 151,833; Feb. 14.
- Krasnow, R., & Sons, Inc., Pittsburgh, Pa. Cantaloupes and fresh grapes. No. 151,835; Feb. 14.
- Kroneberger, C. H., & Co., Baltimore, Md. Tea. No. 151,836; Feb. 14.
- Kunstler, Isidor, New York, N. Y. Cravats. No. 151,837; Feb. 14.
- Kvidera, M. J., Cicero, Ill. Remedy for treatment of rheumatism. No. 151,834; Feb. 14.
- Larkin Co., Inc., Buffalo, N. Y. Certain toilet, chemical, and medicinal preparations. No. 152,090; Feb. 14.
- Lavac, Arthur, Cicero, Ill. Hair grower. No. 151,838; Feb. 14.
- Lee Broom & Duster Company, Lincoln, Nebr. Brooms. No. 152,033; Feb. 14.
- Lehman Mfg. Co., Cannelton, Ind. Automobile bodies. No. 151,840; Feb. 14.
- Lehrer, John P., Belmont Park, N. Y. Automobile vans and motor trucks. No. 151,841; Feb. 14.
- Lewis Brothers, Inc., New York, N. Y. Hair dressing. No. 151,842; Feb. 14.
- Lewis, Florence N., New York, N. Y. Toilet soaps. No. 151,843; Feb. 14.
- Liberty Mirror Works, Pittsburgh, Pa. Rear-view mirrors. No. 151,844; Feb. 14.
- Liberty Tree Candy Company, Boston, Mass. Candies and chocolates. No. 151,845; Feb. 14.
- Lichtenstein, Annie, New York, N. Y. Hair combs. No. 151,846; Feb. 14.
- Lima Photo-Engraving Co., Lima, Ohio. Pamphlets, leaflets, and circulars devoted to photo-engraving subjects. No. 151,847; Feb. 14.
- Lingenfelder, M. B., Camden, N. J. Leather shoes, slippers, and moccasins. No. 151,848; Feb. 14.
- Lipshulch, George U., Chicago, Ill. Vanilla flavor and extract, lemon extracts. No. 151,849; Feb. 14.
- Liskecki, Peter F., Detroit, Mich. Bread. No. 151,850; Feb. 14.
- Loeber, Charles S., San Francisco, Calif. Printed books, including maps published from time to time. No. 152,034; Feb. 14.
- Long Printing Company, Philadelphia, Pa. Monthly magazine. No. 151,851; Feb. 14.
- Los Angeles Soap Co., Los Angeles, Calif. Soap. No. 152,091; Feb. 14.
- Los Angeles Soap Co., Los Angeles, Calif. Toilet soap. Nos. 151,852-3; Feb. 14.
- Los Angeles Soap Co., Los Angeles, Calif. Laundry soap. No. 151,854; Feb. 14.
- Los Angeles Soap Co., Los Angeles, Calif. Washing powder. No. 151,855; Feb. 14.
- Lucati, Alfred, New York, N. Y. Liquid for cleaning floors. No. 151,856; Feb. 14.
- Lucati, Alfred, New York, N. Y. Clothes-washing liquid. No. 151,857; Feb. 14.
- Ludlum Steel Company, Watervliet, N. Y. Tool steel, alloy steel, and alloy tool steel. No. 152,092; Feb. 14.
- Ludlum Steel Company, Watervliet, N. Y. Alloy steel, punch and die steel, and alloy punch and die steel. No. 152,093; Feb. 14.
- McCarthy, George L., New York, N. Y. Playing cards. No. 152,035; Feb. 14.
- McDaniel Drug Company, Louisville, Ky. Nonalcoholic, noncereal maltless sirups and flavorings for soft drinks and beverages made therefrom. No. 151,866; Feb. 14.
- McDougall Company, Frankfort, Ind. Kitchen cabinets. No. 151,867; Feb. 14.
- McGowan, John S., Orange, N. J. Mayonnaise and Russian dressings, olive mayonnaise. No. 151,868; Feb. 14.
- Macaroni Foods Corporation, Omaha, Nebr. Macaroni and spaghetti, also egg noodles. No. 151,858; Feb. 14.
- Mackenzie, Robt. E., Co., The, Cleveland, Ohio. Bar candy. No. 152,095; Feb. 14.
- Magazine Corporation, The, Indianapolis, Ind., and New York, N. Y. Monthly magazine publication. No. 151,859; Feb. 14.
- Maggi Co., The, Kempthal, Zurich, Switzerland. Seasonings for soups, consommé, sauces, etc. No. 151,860; Feb. 14.
- Magnesia Company, The, Lynchburg, Va. Antacid and aperient. No. 152,094; Feb. 14.
- Mansfield Piano Co., New York, N. Y. Pianos and player pianos. No. 152,096; Feb. 14.
- Manufacturing Company of America, Philadelphia, Pa. Candy. No. 151,861; Feb. 14.
- Marathon Tire & Rubber Company, Cuyahoga Falls, Ohio. Composition soling material. No. 151,862; Feb. 14.
- Marecki, Frank J., Baltimore, Md. Medicinal preparation for certain purposes. No. 152,097; Feb. 14.
- Mason, Au & Magenheimer Confectionery Manufacturing Company, Brooklyn, N. Y. Candies. No. 151,863; Feb. 14.
- Mason, F. E., & Sons, Batavia, N. Y. Seals completely printed and ready to be used on packages. No. 151,864; Feb. 14.
- Massasoit Manufacturing Company, Fall River, Mass. Wiping, polishing, and cleaning cloths. No. 151,865; Feb. 14.
- Maynz, Emanuel, New York, N. Y. Paint. No. 20,398; renewed Nov. 24, 1921.
- Mechanical Fabric Company, Providence, R. I. Card cloth. No. 20,538; renewed Jan. 5, 1922.
- Mersereau Metal Bed Company, Jersey City, N. J. Metal bedsteads and cribs. No. 151,869; Feb. 14.
- Meyer, Trust Estate of Adolph C., deceased, Baltimore, Md. Medicinal preparations in liquid form. No. 151,982; Feb. 24.

- Michigan Specialty Co., Lansing Mich. Soap. No. 151,870; Feb. 14.
- Mightybone Corporation of New York, New York, N. Y. Boning, steels, and staying materials. Nos. 151,871-2; Feb. 14.
- Miller, Charles E., Los Angeles, Calif. Monthly magazine. No. 151,873; Feb. 14.
- Miller-McConnell Grain Co., Kansas City. Kans. Stock feed. No. 151,875; Feb. 14.
- Miller, Samuel & Co., New York, N. Y. Hats and caps for men and children. No. 151,874; Feb. 14.
- Millers Milling Company, The, Enid, Okla. Wheat flour. No. 151,876; Feb. 14.
- Mint Gum Company, Inc., New York, N. Y. Chewing gum. No. 151,877; Feb. 14.
- Missouri Egg & Poultry Company, Sedalia, Mo. Dressed poultry. Nos. 151,878-9; Feb. 14.
- Monroe Calculating Machine Company, New York, N. Y. Inter-office organ and advertising magazine. No. 152,036; Feb. 14.
- Morrell, John, & Company, Ottumwa, Iowa. Lard. No. 151,880; Feb. 14.
- Morrell, John, & Co., Ottumwa, Iowa. Bacon, fresh pork, and fresh sausage. No. 151,881; Feb. 14.
- Morrison, Ricker Mfg. Co., Grinnell, Iowa. Gloves made of leather. No. 151,882; Feb. 14.
- Moseley, George V., San Antonio, Tex. Nonalcoholic maltless beverage. No. 152,037; Feb. 14.
- Motekewcz, Cecilia, New York, N. Y. Malt extracts. No. 151,884; Feb. 14.
- Motta, Clara L., Modesto, Calif. One-piece women's textile fabric undergarments. No. 151,883; Feb. 14.
- Nagano, Shinsaku, Chicago, Ill. Molasses. No. 152,075; Feb. 14.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Ice-cream cones. No. 151,885; Feb. 14.
- National Oven Company, The, Beacon, N. Y. Bakers' ovens. No. 152,099; Feb. 14.
- Needham Products Co., The, Cleveland, Ohio. Spray to be used for the relief of hay fever. No. 152,100; Feb. 14.
- New, Iham H., Detroit, Mich. Green, fresh, and canned vegetables. No. 151,886; Feb. 14.
- Newmaker, Floyd H., Warren, Pa. Dressers, chifferettes, dressing-tables, beds, vanity-dressers, etc. No. 151,887; Feb. 14.
- Northwestern Bedding and Manufacturing Co., St. Paul, Minn. Bed springs. No. 151,888; Feb. 14.
- Novia Candy Co., Inc., Brooklyn, N. Y. Chocolates and candies. No. 151,889; Feb. 14.
- Noyes Bros. & Cutler, Incorporated, St. Paul, Minn. Cleaning preparation having water-softening properties. No. 151,890; Feb. 14.
- Nutt, Paul O., Des Moines, Iowa. Cathartic pills. No. 151,891; Feb. 14.
- Ohio Dairy Co., The, Toledo, Ohio. Butter substitute. No. 151,892; Feb. 14.
- Ohio Valley Drug Company, Wheeling, W. Va. Antiseptic and prophylactic solution. No. 151,893; Feb. 14.
- Ohio Valley Drug Company, Wheeling, W. Va. Elixir rhubarb alkaline with pancreatin. No. 151,894; Feb. 14.
- Ohrt, Harold, Detroit, Mich. Hair tonic. No. 152,101; Feb. 14.
- Old Fashioned Millers, Inc., St. Paul, Minn. Bread. No. 152,102; Feb. 14.
- Oregon Growers Cooperative Assn., Salem, Oreg. Fresh and dried deciduous fruits. No. 151,895; Feb. 14.
- Oriental Products Importing Co., Syracuse, N. Y. Olive oil. No. 151,896; Feb. 14.
- Pantasote Leather Company, The, Passaic, N. J. Waterproof cloth in the piece. No. 151,897; Feb. 14.
- Panrex Manufacturing Co., Chicago, Ill. Shoe polishes, clea ners, and leather dressings. No. 151,897; Feb. 14.
- Paris Manufacturing Company, The, Cleveland, Ohio. Window shades. No. 151,899; Feb. 14.
- Parsons, Benjamin J., Redditch, England. Needles, also toilet pins. No. 151,900; Feb. 14.
- Pater, Alphonse J., Hamilton, Ohio. Preparation for the treatment of asthma. No. 151,901; Feb. 14.
- Patsy Frok & Romper Company, Los Angeles, Calif. Child's frock. No. 152,103; Feb. 14.
- Peabody School Furniture Co., The, North Manchester, Ind. Certain chairs. No. 151,902; Feb. 14.
- Peabody School Furniture Co., The, North Manchester, Ind. Desks and folding and school chairs. No. 151,903; Feb. 14.
- Pels, Frank F., Company of New York, Inc., New York, N. Y. Cotton yarn, artificial silk yarn, twist floss, etc. No. 152,104; Feb. 14.
- Penick & Ford Ltd. Inc., New Orleans, La. Corn-gluten feed and corn-oil-cake meal. No. 152,105; Feb. 14.
- Perry, C. T. & Company, Helena, Mont. Laundry soap. No. 151,904; Feb. 14.
- Pfeiffer Bros., Brooklyn, N. Y. Barley-malt sirup for use in baking and candy making. No. 151,905; Feb. 14.
- Philbert, Gustave Nice, France. Insecticides for the destruction of flies, fleas, mosquitoes, etc. No. 151,906; Feb. 14.
- Piccoli, Nick, Paterson, N. J. Shoe polish in paste, liquid, and powdered form. No. 151,907; Feb. 14.
- Pioneer Creamery Co., Galesburg, Ill. Butter. No. 151,908; Feb. 14.
- Pioneer Tar Soap Company, The, Dayton, Ohio. Soaps. No. 151,909; Feb. 14.
- Plume & Atwood Mfg. Company, The, Waterbury, Conn. Straight and safety pins. No. 151,910; Feb. 14.
- Poix, G. M., Inc., Brooklyn, N. Y. Belt for personal wear. No. 151,911; Feb. 14.
- Post-Michel Co., Inc., Buffalo, N. Y. Greeting cards. No. 151,912; Feb. 14.
- Potter, Earle F., Creston, Iowa. Detectors for indicating the condition of automobile ignition and signaling circuits. No. 151,913; Feb. 14.
- Power Truck and Tractor Company, Detroit, Mich. Motor trucks. No. 151,914; Feb. 14.
- Prina, Frank R., Corporation, The, New York, N. Y. Wheat flour. Nos. 151,915-16; Feb. 14.
- Prunier, G., & Cie, Paris, France. Concentrated food for infants, invalids, and convalescents. No. 151,917; Feb. 14.
- Pyorrr-Laris Company, The, St. Louis, Mo. Tooth paste. No. 151,918; Feb. 14.
- Quality Mattress Company, Rochester, N. Y. Metal beds, cribs, couches, and springs and mattresses therefor. No. 151,919; Feb. 14.
- Quest Manufacturing Company, Chicago, Ill. Typewriter carbon paper and ribbons. No. 151,920; Feb. 14.
- Raybestos Company, The, Bridgeport, Conn. Brake and clutch linings. No. 152,107; Feb. 14.
- Ray Fish Packing Co. Inc., The, Bay Shore, N. Y. Fish and sea food, more particularly canned fillet of flounders, etc. No. 151,921; Feb. 14.
- Refno Company, The, Denver, Colo. Gasoline and fuel energizer. Nos. 151,922-3; Feb. 14.
- Rennie, Robert W., Detroit, Mich. Dentifrices—namely, tooth paste. No. 151,930; Feb. 14.
- Richland Milling Company, Belleville, Ill. Hen and chick feed, laying mash, and corn meal. No. 151,924; Feb. 14.
- Rieder, Frank, & Sons, Philadelphia, Pa. Chairs. No. 151,925; Feb. 14.
- Ritter, Frank A., Detroit, Mich. Artificial limbs and members. No. 152,108; Feb. 14.
- River Nile Company, San Francisco, Calif. Nonalcoholic, maltless beverage similar to soda water. No. 152,039; Feb. 14.
- Robin, Jules, & Co., Cognac, France. Brandy. No. 20,184; renewed Oct. 6, 1921.
- Rogers Candy & Ice Cream Co., Seattle, Wash. Candies. No. 151,926; Feb. 14.
- Rogers, Loyal D., Chicago, Ill. Series of bulletins. No. 152,040; Feb. 14.
- Rogers, Simeon L. & George H., Company, Hartford, Conn. Silver-plated flat and hollow ware. No. 151,931; Feb. 14.
- Root, A. I., Company, The, Medina, Ohio. Honey. No. 151,927; Feb. 14.
- Rosenblum, Abe, Brooklyn, N. Y. Potatoes, onions, apples, cabbages, turnips, beets, and carrots in their natural state. No. 151,928; Feb. 14.
- Rossville Company, The, Lawrenceburg, Ind. Alcoholic solvent. No. 151,932; Feb. 14.
- Royal Cocoa Co., Jersey City, N. J. Coffee, cocoa, and chocolate. No. 151,929; Feb. 14.
- Safety Car Heating and Lighting Company, The, New York, N. Y. Lamps. No. 20,678; renewed Feb. 2, 1922.
- Samoset Chocolates Company, Boston, Mass. Chocolate candy. No. 151,933; Feb. 14.
- Samstag & Hilder Bros., New York, N. Y. Wire hairpins. No. 151,934; Feb. 14.
- Sanger Brothers Inc., Dallas, Tex., and New York, N. Y. Shoes for children, made of leather. No. 151,935; Feb. 14.
- Satr Abdul, Burgettstown, Pa. Blood-purifying medicine. No. 151,936; Feb. 14.
- Schaeffer, Chas. P., Reading, Pa. Braids, shoe and corset laces. No. 151,937; Feb. 14.
- Schill, H. V. T. Co., New York, N. Y. Cotton, silk, wool, linen, and mixed cloth piece goods. No. 152,073; Feb. 14.
- Schmied, Oscar, New York, N. Y. Hosiery. No. 152,074; Feb. 14.
- Schultz, Arthur J., Los Angeles, Calif. Honey. No. 151,938; Feb. 14.
- Schwab, Abraham, Memphis, Tenn. Toilet soap. No. 151,939; Feb. 14.
- Scientific Farming Machinery Company, Minneapolis, Minn. Tillers, comprising a plow and a soil disintegrator. No. 151,940; Feb. 14.
- Science Service, Incorporated, Wilmington, Del., and Washington, D. C. Publications or scientific news bulletins published periodically. No. 152,041; Feb. 14.
- Scofield, Plimpton, Company, Boston, Mass. Certain chairs. No. 152,106; Feb. 14.
- Security Mills & Feed Company, Knoxville, Tenn. Poultry feed. No. 151,941; Feb. 14.
- Segur, Howard J., Portland, Oreg. Controlling device for automobile spotlights. No. 151,942; Feb. 14.
- Sellers, G. I., & Sons' Company, Elwood, Ill. Kitchen cabinets. No. 151,943; Feb. 14.
- Shelby Supply & Manufacturing Company, Shelby, Ohio. Candy mints. No. 151,945; Feb. 14.
- Sidenberg, G., & Co., New York, N. Y. Rufflings and plaitings for neckwear and trimmings. No. 151,944; Feb. 14.
- Sigmund Ullman Company, New York, N. Y. Printing inks. No. 151,984; Feb. 14.
- Simpson, Annette E., New York, N. Y. Ladies' wearing apparel. No. 152,046; Feb. 14.

- Sherwin-Williams Company, The, Cleveland, Ohio. Certain soaps and leather dressings and metal polish. No. 151,946; Feb. 14.
- Shine, Robert J., Hagerstown, Md. Nonalcoholic, maltless beverage and sirup for making same. No. 152,042; Feb. 14.
- Shortiss, Thomas, Toronto, Ontario, Canada. Candy. No. 151,947; Feb. 14.
- Skinner, L. B., Dunedin, Fla. Fresh citrus fruits. No. 152,076; Feb. 14.
- Slaughter, Emory E., Gloucester, Ohio. Eyewater. No. 151,948; Feb. 14.
- Sloane, W. & J., New York, N. Y. Certain office and household furniture. No. 151,949; Feb. 14.
- Small, L. K., Company, Los Angeles, Calif. Fresh citrus and deciduous fruits and fresh vegetables. No. 151,950; Feb. 14.
- Smile Company, The, Topeka, Kans. Roasted coffee. No. 151,951; Feb. 14.
- Smile Company, The, Minneapolis, Minn. Sugar preparation from fruit acid for making sherbet, ices, cake frosting. No. 151,952; Feb. 14.
- Socolof, Jos., Co., Brooklyn, N. Y. Canned fish. No. 151,953; Feb. 14.
- Sorbo Rubber-Sponge Products Ltd., Woking, England. Playing balls, toys, leg guards, and gloves made of rubber sponge. No. 151,954; Feb. 14.
- Sotomayor, Compania Anonima Comercial, Cordova, Spain, and New York, N. Y. Olive oil. No. 151,955; Feb. 14.
- Spalding, A. G., & Bros., New York, N. Y. Sweaters, jerseys, and baseball suits. No. 151,960; Feb. 14.
- Spencer, Elizabeth B., Wilkes-Barre, Pa. Liniment and preparation for certain uses. No. 151,961; Feb. 14.
- St. Albans Grain Company, St. Albans, Vt. Poultry feeds, molasses horse feed and dairy feed, etc. No. 152,077; Feb. 14.
- Stam, Benjamin I. J., Stoughton, Mass. Shoes made of leather, rubber, fabric, compositions, and combinations thereof. No. 151,956; Feb. 14.
- Standard Oil Company, San Francisco, Calif. Certain heating and illuminating oils. No. 152,078; Feb. 14.
- Star Rubber Company, The, Akron, Ohio. Pneumatic-tire casings. No. 151,962; Feb. 14.
- Starkloff, William B., Baltimore, Md. Awnings, tents, flags, tarpaulins. No. 151,963; Feb. 14.
- Stephens, Spense M., Lakeland, Fla. Fresh citrus fruits. No. 151,964; Feb. 14.
- Stewart Manufacturing Corporation, Chicago, Ill. Vehicle-window frames. No. 151,957; Feb. 14.
- Stockman, Geo. H., Jr., Philadelphia, Pa. Urn bags or woven tea containers and connected spout hoods. No. 151,965; Feb. 14.
- Stover, Faune, Whiting, Ind. Furniture and metal cleaning preparation. No. 151,958; Feb. 14.
- Strohmeyer & Arpe Company, New York, N. Y. Vegetable oil and mayonnaise and salad oil. No. 151,959; Feb. 14.
- Stuart Confections Co., Chicago, Ill. Candy. No. 152,079; Feb. 14.
- Sugarland Industries, The, Sugar Land, Tex. Mattresses. No. 151,966; Feb. 14.
- Sussman Wormser & Co., San Francisco, Calif. Canned fruits, vegetables, and oysters, vinegar, coffee, etc. No. 151,967; Feb. 14.
- Swift and Company, Chicago, Ill. Sausage. No. 151,968; Feb. 14.
- Sylvester-Nichols Company, The, Little Falls, Minn. Butter, ice cream, ices, cherry bar, etc. No. 151,969; Feb. 14.
- Taggart Baking Company, Indianapolis, Ind. Bread. No. 151,970; Feb. 14.
- Tello Tin-Plate Co. Limited, The, Pontardulais, England. Tin plates. Nos. 19,804-6; renewed June 30, 1921.
- Textile Publishing Company, New York, N. Y. Certain advertising matter. No. 151,971; Feb. 14.
- Thanhouser & Weiller, Baltimore, Md. Children's textile-fabric union suits and pyjamas. No. 151,972; Feb. 14.
- Thomson-Diggs Company, The, Sacramento, Calif. Certain sporting goods. No. 151,973; Feb. 14.
- Tonk Manufacturing Co., Chicago, Ill. Piano benches. No. 151,974; Feb. 14.
- Torhansen Axle Company, The, Cleveland, Ohio. Motor-vehicle axles and gear-casing constructions therefor. No. 151,975; Feb. 14.
- Toycraft Rubber Co., The, Ashland, Ohio. Certain rubber toys. No. 151,981; Feb. 14.
- Tribune Company, The, Chicago, Ill. Nom de plume for newspaper articles. Nos. 151,976-7; Feb. 14.
- Tribune Company, The, Chicago, Ill. Series of cartoons. Nos. 151,978-9; Feb. 14.
- Trimble, Edward M., Rochester, N. Y. Folding crib for children. No. 151,980; Feb. 14.
- Tully, Lawrence M., Oakland, Calif. Candies. No. 151,983; Feb. 14.
- Ullman, Sigmund Company, New York, N. Y. Printing inks. No. 152,080; Feb. 14.
- United Candy & Pastry Company, Washington, D. C. Candy, cake, bread, and pastry. No. 151,985; Feb. 14.
- United Phonograph Stores Inc., New York, N. Y. Printed copies of musical compositions. No. 152,043; Feb. 14.
- United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. No. 151,986; Feb. 14.
- United States Tire Company, New York, N. Y. Rubber tires. No. 151,987; Feb. 14.
- United Turkey Red Company, Limited, Glasgow, Scotland. Laundry and toilet soap, soap powder, etc. No. 151,988; Feb. 14.
- Urban, Stephen, Cleveland, Ohio. Eye medicine. No. 151,989; Feb. 14.
- Vassar Swiss Underwear Co., Chicago, Ill. Knitted and woven union suits, vests, and drawers. No. 151,990; Feb. 14.
- Vidor, King W., Los Angeles, Calif. Toys, particularly toy figures whittled out of wood, etc. No. 151,991; Feb. 14.
- Vinson Coffee Co., Jackson, Tenn. Coffee. No. 151,992; Feb. 14.
- Vittori & Co., Dolmy Watch Co., La Chaux-de-Fonds, Switzerland. Watches and parts of watches. No. 151,993; Feb. 14.
- Walker Properties Association, Austin, Tex. Canned chile con carne and canned hot tomatos. No. 151,994; Feb. 14.
- Walker Stetson Company, Boston, Mass. Certain articles of clothing. No. 151,995; Feb. 14.
- Wallace Milling Company, The, Dale, Ind. Wheat flour. No. 151,996; Feb. 14.
- Walsh, William M., New York, N. Y. Weekly publication. No. 151,997; Feb. 14.
- Wanamaker, John, New York, N. Y. Certain articles of clothing. No. 151,998; Feb. 14.
- Ward Baking Company, New York, N. Y. Cake. No. 151,999; Feb. 14.
- Ward Baking Company, New York, N. Y. Bread. No. 152,000; Feb. 14.
- Warner, William R., & Co., Inc., Wilmington, Del., New York, N. Y., and St. Louis, Mo. Certain medicinal preparation. No. 152,081; Feb. 14.
- Washington, G., Coffee Refining Co., New York, N. Y. Prepared coffee. No. 152,082; Feb. 14.
- Weber Flour Mills Corporation, The, Salina, Kans. Wheat flour. No. 152,001; Feb. 14.
- Weeks, George, Washington, D. C. Magazine published monthly. No. 152,044; Feb. 14.
- Weiss, Henry, Waterloo, Iowa. Egg carriers and cases, egg-case fillers, and fruit carriers. No. 21,047; renewed Apr. 26, 1922.
- Wessel, Herman, Cincinnati, Ohio. Box, cotton-top, hair, and cotton-felt mattresses, pillows. No. 152,002; Feb. 14.
- Western Soap Company, Spokane, Wash. Liquid, laundry, and grit soap. No. 152,003; Feb. 14.
- Westfall-Lane Company, Turlock, Calif. Fresh deciduous fruits and fresh vegetables. No. 152,004; Feb. 14.
- Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Certain measuring and scientific appliances. No. 152,083; Feb. 14.
- Wheeler, W. B., Corporation, New York, N. Y. Matrix or dry mat used in stereotyping and electroplating. No. 152,005; Feb. 14.
- Whittemore Brothers Corporation, Cambridge, Mass. Dressing for shoes and other leather articles. No. 152,006; Feb. 14.
- Why-Sol Battery Solution Company, Cincinnati, Ohio. Solution for all makes of lead-plate batteries. No. 152,007; Feb. 14.
- Wielich, Ludwig, Mountain Lakes, N. J. Thoroughbred dogs. No. 152,084; Feb. 14.
- Wilson, Arthur T., Chicago, Ill. Preparation for eyebrows and lashes. No. 152,008; Feb. 14.
- Wimer, H. E., Blencoe, Iowa. Butter. No. 152,085; Feb. 14.
- Winton Company, The, Cleveland, Ohio. Automobiles, motor trucks. No. 152,009; Feb. 14.
- Woodward, A. B., Medicine Company, Marlin, Tex. Blood and liver tonic. No. 152,010; Feb. 14.
- Wynne, Oliver, Norfolk, Va. Lard substitute. No. 152,011; Feb. 14.
- Young & Griffin Coffee Co., Inc., New York, N. Y. Coffee. No. 152,012; Feb. 14.
- Young, W. D., Company, Boston and South Boston, Mass. Sutures and ligatures of animal or vegetable origin. No. 152,086; Feb. 14.
- Ziegler, George Co., Milwaukee, Wis. Candies. No. 152,013; Feb. 14.
- Zingre, J. Frederick L., St. Louis, Mo. Medicinal tablet for prevention of attacks of epilepsy. No. 152,014; Feb. 14.
- Zoltowski, John, Milwaukee, Wis. Waterproofing composition for waterproofing leather, cloth, or wood. No. 152,015; Feb. 14.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

- American Lead Pencil Company, New York, N. Y. "Venus Rubber Bands." (For Boxes for Shipping Rubber Bands.) No. 24,030; Feb. 14.
- Baker & Coe, White Salmon, Wash. "Mountain Brand." (For Fresh Apples.) No. 24,031; Feb. 14.
- Blackman, John J., Atlantic City, N. J. "Pepsol." (For Receptacles Containing Tooth Paste.) No. 24,032; Feb. 14.
- Blatz, Val., Jr., Candy Co., Milwaukee, Wis. "Cherry-fairy." (For Candy.) No. 24,033; Feb. 14.
- Bosque, Arturo C., New York, N. Y. "Pepsina y Rubarbo Bosque." (For a Remedy for Dyspepsia and Indigestion.) No. 24,034; Feb. 14.
- Bosque, Arturo C., New York, N. Y. "Pepsin and Rhubarb Bosque." (For a Remedy for Dyspepsia and Indigestion.) No. 24,035; Feb. 14.
- Boyd-Brenizer Corporation, Wilmington, Del., and Philadelphia, Pa. "Carlox Perfected Hair Curlers." (For Hair Curlers.) No. 24,036; Feb. 14.
- Bridgeman-Russell Co., Duluth, Minn. "Green Valley Creamery Butter." (For Butter.) No. 24,037; Feb. 14.
- Bussmann Manufacturing Company, St. Louis, Mo. "Buss Fuses." (For Electrical Plug Fuses.) No. 24,038; Feb. 14.
- Caltex Company, The, San Jose, Calif. "The Caltex Company Rhino Textile Products." (For Artificial Leather.) No. 24,039; Feb. 14.
- Candy Craft, Inc., Chicago, Ill. "Humpty Dumpty." (For Candies—Namely, Kiddie Junior Candies.) No. 24,040; Feb. 14.
- Candy Craft, Inc., Chicago, Ill. "Tinkles the Clown." (For Candies—Namely, Kiddie Junior Candies.) No. 24,041; Feb. 14.
- Candy Craft, Inc., Chicago, Ill. "Jack and Jill." (For Candies—Namely, Kiddie Junior Candies.) No. 24,042; Feb. 14.
- Carqué Pure Food Company, Los Angeles, Calif. "Natural Foods of California Carqué." (For Black Mission Figs.) No. 24,043; Feb. 14.
- Chicago Timer Factory Incorporated, Chicago, Ill. "Blue Flag Timer." (For Cartons Containing Timers Designed Particularly for Ford Cars, Tractors, and Trucks.) No. 24,044; Feb. 14.
- Clark & Snover Co., The, Scranton, Pa. "Dale's Sweet Scrap." (For Tobacco.) No. 24,045; Feb. 14.
- Columbia Products Company, Columbia City, Ind. "Miracle the World's Greatest Cleaner." (For a Washing Compound.) No. 24,046; Feb. 14.
- Crescent Company, The, Tarrs, Pa. "Crescent Farm." (For Unsweetened Evaporated Milk.) No. 24,047; Feb. 14.
- Daniels, Lorin A., Kansas City, Mo. "Butterrolls." (For Rolls.) No. 24,048; Feb. 14.
- Debevoise Company, The, Brooklyn, N. Y. "De-Pa-Co Concote." (For Packages and Containers for Paints.) No. 24,049; Feb. 14.
- Debevoise Company, The, Brooklyn, N. Y. "De-Pa-Co Flat Finish." (For Packages and Containers for Paints.) No. 24,050; Feb. 14.
- Debevoise Company, The, Brooklyn, N. Y. "Dereka Metal Paint." (For Packages and Containers for Paints.) No. 24,051; Feb. 14.
- Debevoise Company, The, Brooklyn, N. Y. "De-Pa-Co Mill White Paint." (For Packages and Containers for Paints.) No. 24,052; Feb. 14.
- Debevoise Company, The, Brooklyn, N. Y. "De-Pa-Co Servicecoat Enamel." (For Packages and Containers for Paints.) No. 24,053; Feb. 14.
- Debevoise Company, The, Brooklyn, N. Y. "De-Pa-Co Best Quality Paint." (For Packages and Containers for Paints.) No. 24,054; Feb. 14.
- Debevoise Company, The, Brooklyn, N. Y. "De-Pa-Co Luxe Enamel." (For Packages and Containers for Paints.) No. 24,055; Feb. 14.
- Des Moines Bakery Co., Des Moines, Iowa. "Everybody's Bread." (For Loaves of Bread.) No. 24,056; Feb. 14.
- Dexter Baking Company, The, Waterbury, Conn. "Dexter's Aunt Mary's Bread." (For Bread.) No. 24,057; Feb. 14.
- Eck, John A., Co., Chicago, Ill. "Revelation." (For Cantaloupes.) No. 24,058; Feb. 14.
- Eck, John A., Co., Chicago, Ill. "Revelation." (For Apples.) No. 24,059; Feb. 14.
- Edwards, Richard E., Richmond, Ind. "The Dunbar Special." (For Cigar Boxes and Cans.) No. 24,060; Feb. 14.
- Eline's Incorporated, Milwaukee, Wis. "Eline's Sweet Milk Chocolate." (For Milk Chocolate.) No. 24,061; Feb. 14.
- Frutchey, W. J. R., & Co., New York, N. Y. "Frutchey Silk Shop." (For Silk Fabrics in the Piece.) No. 24,062; Feb. 14.
- Gelb, Julius, Philadelphia, Pa. "The Original J G Standard Hair Net." (For Hair Nets.) No. 24,063; Feb. 14.
- General Preserve Company, The, Pennsgrove, N. J. "Bond Soup." (For Sealed Cans Containing Soups of Various Kinds.) No. 24,064; Feb. 14.
- Gordon-Thorne Co., Utica, N. Y. "Baby Bunting." (For Toilet Powder.) No. 24,065; Feb. 14.
- Guaranteed Products Company, Sioux Falls, S. D. "Laxo." (For Bottles or Containers of a Natural Laxative Water.) No. 24,066; Feb. 14.
- Heidelberger Confectionery Co., Philadelphia, Pa. "Heidelberger Philymade Sweets." (For Candies.) No. 24,067; Feb. 14.
- Hood River Canning Co., Hood River, Oreg. "Columbia Gorge." (For Royal Anne Cherries.) No. 24,068; Feb. 14.
- Horlick Maltoat Products Co., Racine, Wis. "Maltoat." (For Packages Containing Biscuits.) No. 24,069; Feb. 14.
- International Corn Products Corporation, Detroit, Mich. "Tip Top." (For a Breakfast Food.) No. 24,070; Feb. 14.
- International Corn Products Corporation, Detroit, Mich. "Candy Pops." (For Candied Pop Corn, Fruit, or Nuts.) No. 24,071; Feb. 14.
- International Dairy Co. (See Menasha Printing and Carton Company, assignors.)
- Kellogg Sugar Products Co., Lima, Ohio. "Mon Cheri." (For Candy.) No. 24,072; Feb. 14.
- Kempf, Stephen S., Chicago, Ill. "El Perfection." (For Cigars.) No. 24,073; Feb. 14.
- Krank, Alfred J., St. Paul, Minn. "Krank's Skin-Health Face Powder." (For Boxes Containing Face Powder.) No. 24,074; Feb. 14.
- Landford, Phillips J., Frostproof, Fla. "No Joke." (For Oranges.) No. 24,075; Feb. 14.
- Lantz Bros. Baking Co., St. Louis, Mo. "Grandma's Cake." (For Cake.) No. 24,076; Feb. 14.
- Lantz Bros. B. Co., St. Louis, Mo. "Horse-Radish Mustard." (For Horse-Radish Mustard.) No. 24,077; Feb. 14.
- Lantz Bros. B. Co., St. Louis, Mo. "Horse-Radish." (For Horse-Radish.) No. 24,078; Feb. 14.
- Lincoln Chemical Company, Minneapolis, Minn. "Spick-anbrite No. 2 Brite Polish." (For a Polish for Varnished or Enameled Surfaces.) No. 24,079; Feb. 14.
- Lincoln Chemical Company, Minneapolis, Minn. "Spick-anbrite No. 1 Spik Cleaner." (For a Cleaner for Varnished or Enameled Surfaces.) No. 24,080; Feb. 14.
- Ludlow Manufacturing Association, Boston, Mass. "Ludlow Twine." (For Boxes Containing Balls of Twine.) No. 24,081; Feb. 14.
- Madsen, George, Chicago, Ill. "Danish Butter." (For Creamery Butter Imported from Denmark.) No. 24,082; Feb. 14.
- Margosian, John H., Milford, Mass. "Amasia." (For a Medicinal Preparation Aimed to Overcome the Unnatural Discharge of the Mucous Membranes.) No. 24,083; Feb. 14.
- Menasha Printing and Carton Company, Menasha, Wis., assignor to International Dairy Co., Chicago, Ill. "Sanapure." (For Cartons Containing Butter.) No. 24,084; Feb. 14.
- Mid-States Wholesale Grocery, Omaha, Nebr. "Mid-States Brand." (For Rolled Oats.) No. 24,085; Feb. 14.
- Milwaukee Label & Seal Co., Milwaukee, Wis. "B. Prompt." (For Boxes Containing Collection and Good-Will Labels.) No. 24,086; Feb. 14.
- Milwaukee Paper Box Company, Milwaukee, Wis. "Elaine Chocolates." (For Boxes Containing Chocolate Candy.) No. 24,087; Feb. 14.
- Milwaukee Paper Box Company, Milwaukee, Wis. "Cherry-San Chocolates." (For Boxes Containing Chocolate Candy.) No. 24,088; Feb. 14.
- Motor Products Company, Los Angeles, Calif. "Auto Spraying Oyle." (For Cans Containing Auto Spraying Oyle.) No. 24,089; Feb. 14.
- Naylor, Charles A., St. Louis, Mo. "Hi-Hi Broad Leaf." (For Cigars.) No. 24,090; Feb. 14.
- Northrup, King & Co., Minneapolis, Minn. "Northrup, King & Co. Seed Corn." (For Bags of Seed Corn.) No. 24,091; Feb. 14.
- Novak Grocery Company, The, Chicago, Ill. "Cash & Carry Brand 2 Sweet Corn 2 Extra Standard Quality." (For Canned Sweet Corn.) No. 24,092; Feb. 14.
- Novak Grocery Company, The, Chicago, Ill. "Cash & Carry Brand 1 Sweet Corn 1 Fancy Quality." (For Canned Sweet Corn.) No. 24,093; Feb. 14.
- Novak Grocery Company, The, Chicago, Ill. "Cash & Carry Brand 3 Sweet Corn 3 Standard Quality." (For Canned Sweet Corn.) No. 24,094; Feb. 14.
- Ohio Salt Company, The, Wadsworth, Ohio. "Forest Maid." (For Receptacles Containing Salt.) No. 24,095; Feb. 14.

- Patton, Chas. E., Lynchburg, Ohio. "Jervel Loaf." (For Loaves of Bread.) No. 24,096; Feb. 14.
- Peel Chemical Corporation, New York, N. Y. "Dip-It." (For Cartons Containing Dip-It.) No. 24,097; Feb. 14.
- Pittsburg Storage Company, Pittsburg, Tex. "Little Joe." (For Sweet Potatoes.) No. 24,098; Feb. 14.
- Plymack, Jos., Camden, N. J. "The Lucille Dress." (For Children's Dresses.) No. 24,099; Feb. 14.
- Purity Cream Cheese Co., The, Cleveland, Ohio. "Edelweiss." (For Limburger Cheese.) No. 24,100; Feb. 14.
- Research Club Inc., Chicago, Ill. "Research Brand." (For Parking Lamps.) No. 24,101; Feb. 14.
- Rich, E. C., Inc., New York, N. Y. "Rich's Gelatin Wine Jelly." (For Gelatine.) No. 24,102; Feb. 14.
- Robb-Ross Co., Sioux City, Iowa. "Vermont Style Sirup." (For a Sirup Composed of 75% Cane Sugar Sirup and 25% Maple Sirup.) No. 24,103; Feb. 14.
- Sale & Frazar, Ltd., Tokyo, Japan. "Triumph." (For Canned Crab Meat.) No. 24,104; Feb. 14.
- Seidner & Hitzgrath, New York, N. Y. "Vogue Hair Net." (For Hair Nets.) No. 24,105; Feb. 14.
- Sibley-Almy Co., Inc., Olean, N. Y. "Royal Taste." (For Coffee.) No. 24,106; Feb. 14.
- Southern Sweet Potato Exchange, Chicago, Ill. "Golden Glow." (For Hand-Selected Sweet Potatoes.) No. 24,107; Feb. 14.
- Tri-Star Noodle Factory, Chicago, Ill. "Chinese Maid." (For Noodles.) No. 24,109; Feb. 14.
- Triplett, Joseph I., Woodstock, Va. "J. I. Triplett's Champion." (For Wheat Flour.) No. 24,108; Feb. 14.
- Viscardi, Anthony P., New York, N. Y. "Vis-Lax." (For Laxative Tablets.) No. 24,110; Feb. 14.
- Walters, Henry V., Long Branch, N. J. "Lofa." (For Bread.) No. 24,111; Feb. 14.
- Watkins and Kemp Cigar Company, Key West, Fla. "Key West Repeater." (For Cigars.) No. 24,112; Feb. 14.
- Wenatchee District Co-Operative Association, Wenatchee, Wash. "Jim Hill." (For Fresh Apples.) No. 24,113; Feb. 14.
- West Coast Grocery Company, Tacoma, Wash. "Amocat." (For Apricots.) No. 24,114; Feb. 14.
- Wielich, Albert, New York, N. Y. "Lighthouse Malt Sirup." (For Malt Extracts.) No. 24,115; Feb. 14.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

- Bourke-Rice Envelope Company, Chicago, Ill. "Envelope Calendar." (For Advertising Purposes for Envelopes.) No. 5,949; Feb. 14.
- Brohman Company, New York, N. Y. "Pidgie Pantie-Frock." (For Advertising Purposes for Child's Clothing.) No. 5,950; Feb. 14.
- Carpenter-Morton Co., Boston, Mass. "Carmote the Perfect Floor Varnish Stands Hard Knocks." (For Advertising Purposes for Carmote Varnish.) No. 5,951; Feb. 14.
- Chicago Timer Factory Incorporated, Chicago, Ill. "Blue Flag Timer." (For Advertising Purposes for a Timer Designed Particularly for Ford Cars, Tractors, and Trucks.) No. 5,952; Feb. 14.
- Coca Cola Company, The, Atlanta, Ga. "Drink Coca-Cola." (For Advertising Purposes for Coca-Cola.) Nos. 5,953-4; Feb. 14.
- Crane Ice Cream Company, Philadelphia, Pa. "Crane's Baltimore Ice Cream." (For Advertising Purposes for Ice Cream.) No. 5,955; Feb. 14.
- Fairbank, N. K., Company, The, New York, N. Y. "Kept Clean with Gold Dust." (For Advertising Purposes for Gold Dust Washing Powder.) No. 5,956; Feb. 14.
- Federal System of Bakeries of America, Inc., Davenport, Iowa. "Bringing Home the Bakin'." (For Advertising Purposes for Federal Bread.) No. 5,957; Feb. 14.
- Genesee Pure Food Company, The, Le Roy, N. Y. "A Free Book." (For Advertising Purposes for Jell-O, a Dessert Preparation.) No. 5,958; Feb. 14.
- Genesee Pure Food Company, The, Le Roy, N. Y. "The Mission Scene." (For Advertising Purposes for Jell-O, a Dessert Preparation.) No. 5,959; Feb. 14.
- Haynes Automobile Company, The, Kokomo, Ind. "The New 1922 Five Passenger Haynes 75 Brougham." (For Advertising Purposes for Automobiles.) No. 5,961; Feb. 14.
- Haynes Automobile Company, The, Kokomo, Ind. "The New 1922 Five Passenger Haynes 55 Sedan." (For Advertising Purposes for Automobiles.) No. 5,962; Feb. 14.
- Hyams, David, Newport News, Va. "The Graphic Duplicator." (For Advertising Purposes for Duplicating Machines.) No. 5,960; Feb. 14.
- Interwoven Stocking Company, New Brunswick, N. J. "Interwoven Socks Light Weight Ribbed Wools." (For Advertising Purposes for Hosiery.) No. 5,963; Feb. 14.
- Interwoven Stocking Company, The, New Brunswick, N. J. "Get him a box for Christmas." (For Advertising Purposes for Hosiery.) No. 5,964; Feb. 14.
- Jenkins, Thomas A., Jersey City, N. J. "Thomas A. Jenkins Glass Ventilators." (For Advertising Purposes for Glass Ventilators.) No. 5,965; Feb. 14.
- Kronberger, Alfred M., Boston, Mass. "Protect Your Feet." (For Advertising Purposes for Albo Foot Powder or a Preparation for the Feet.) No. 5,966; Feb. 14.
- Lieberman, Chas. A., Georgetown, Ohio. "Na-Wa-Co." (For Advertising Purposes for a Powder for Sweaty Feet.) No. 5,967; Feb. 14.
- Linen Thread Company, The, New York, N. Y. "Double Knot Salmon Gill Netting." (For Advertising Purposes for Threads and Netting.) No. 5,968; Feb. 14.
- Listo Pencil Company, Alameda, Calif. "The Pencil with a Mission." (For Advertising Purposes for Pencils.) No. 5,969; Feb. 14.
- Manischewitz, B., Company, The, Cincinnati, Ohio. "Manischewitz Matzos." (For Advertising Purposes for Matzos.) No. 5,970; Feb. 14.
- Michaels, Harry C., Co., New York, N. Y. "Taking Industry Out of the Shadow of the Pen." (For Advertising Purposes for Bookkeeping Machines.) No. 5,971; Feb. 14.
- Milwaukee Paper Box Company, Milwaukee, Wis. "Silver Buckle Raisins." (For Advertising Purposes for Raisins.) No. 5,972; Feb. 14.
- Milwaukee Paper Box Company, Milwaukee, Wis. "Mrs. Graf's Home Made Candies." (For Advertising Purposes for Candy.) No. 5,973; Feb. 14.
- Olsen, Andrew, Jr., San Francisco, Calif. "Golden Nugget Fudge." (For Advertising Purposes for Fudge.) No. 5,974; Feb. 14.
- Philipsborn's, Inc., Chicago, Ill. "Philipsborn's Lite and Fluff." (For Advertising Purposes for Marabou and Ostrich Ornaments.) No. 5,975; Feb. 14.
- Republic Motor Truck Co., Inc., Alma, Mich. "Republic Rapid Transit." (For Advertising Purposes for Motor Truck and Parts Thereof.) Nos. 5,976-8; Feb. 14.
- Thornton, Frank C., Benson, Minn. "Glacier Trail." (For Advertising Purposes for Road Markers.) No. 5,979; Feb. 14.
- Widney, Company, The. "Advance Modulimeter Tested." (For Advertising Purposes for Washers and Gaskets.) No. 5,980; Feb. 14.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Abowitch, Solomon, Brooklyn, N. Y. Medicine for relief of pain after an extraction. No. 137,992; Feb. 14.
- Ace Specialties Corp., New York, N. Y. Sanitary napkins, aprons, belts, and diapers, and surgeons' rubber gloves. No. 154,469; Feb. 14.
- Air-Way Electric Appliance Corporation, The, Toledo, Ohio. Washing machines and parts thereof. No. 144,704; Feb. 14.
- Alfred Wright, Perfumer, Inc., Philadelphia, Pa., and New York, N. Y. Perfumes and sachet powders. No. 156,063; Feb. 14.
- Alperin, Benjamin, Red Bank, N. J. Mayonnaise. No. 151,073; Feb. 14.
- American Abrasive Metals Company, New York, N. Y. Stair treads and door saddles. No. 152,880; Feb. 14.
- American Hominy Company, Indianapolis, Ind. Wheat flour. No. 150,583; Feb. 14.
- American Safety Razor Corporation, Brooklyn and New York, N. Y. Shaving brushes. No. 156,816; Feb. 14.
- American Tobacco Company, The, New York, N. Y. Tobacco and cigarettes. No. 146,285; Feb. 14.
- Ashcraft-Wilkinson Company, Atlanta, Ga. Cottonseed meal. No. 149,618; Feb. 14.
- Arnesto Paint Co., Inc., New York, N. Y. Paints for marine and house, used for interior and exterior surfaces. No. 154,910; Feb. 14.
- Arrow Film Corporation, The, New York, N. Y. Motion pictures. No. 154,294; Feb. 14.
- Arrow Film Corporation, New York, N. Y. Motion-picture films. Nos. 151,650-1; Feb. 14.
- Atlantic Stamping Company, Rochester, N. Y. Metal products consisting of funnels, strainers, commodes, pans, etc. No. 155,039; Feb. 14.

- Ault-Williamson Shoe Co., Auburn, Me. Men's and women's boots and shoes of leather and combinations of leather and fabric. No. 154,547; Feb. 14.
- Badois, Louis, Paris, France. Fountain pens. No. 156,981; Feb. 14.
- Bankers Publicity Company, St. Louis, Mo. Check, bank, and savings-bank books and checks, drafts, bills and notes. No. 157,650; Feb. 14.
- Bellis Heat Treating Company, The, New Haven, Conn. Salts in solid form for metal heat-treating baths, crucibles and crucible furnaces. No. 155,084; Feb. 14.
- Benjamin, Bernard, Dayton, Ohio. Furniture polish. No. 155,591; Feb. 14.
- Bitzer and Rommel, Greenfield, Mass. Medicinal preparation for asthma. No. 128,590; Feb. 14.
- Blum, Leon F., Miami, Fla. Jellies. No. 127,887; Feb. 14.
- Bobwhite Chemical Corporation, New York, N. Y. Insecticides, bactericides, disinfectants, and fungicides for plants. No. 154,916; Feb. 14.
- Borgfeldt, George & Co., New York, N. Y. Hollow aluminum ware: teapots, coffeepots, percolators, kettles, etc. No. 152,978; Feb. 14.
- Borromite Company of America, Chicago, Ill. Water-softening apparatus. No. 139,109; Feb. 14.
- Bowman Drug Co., Oakland, Calif. Mouth wash. No. 155,213; Feb. 14.
- Briggs, Ray E., Los Angeles, Calif. Liquid automobile polish. No. 155,954; Feb. 14.
- Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Bowling-alley ball returns. No. 157,407; Feb. 14.
- Buckeye Cotton Oil Company, The, Cincinnati, Ohio. Stock feed. No. 149,679; Feb. 14.
- Burns Pattern & Machine Company, Detroit, Mich. Aluminum teakettles, skillets, pans, stew kettles, meat roasters, coffee and tea pots and frying pans. No. 154,719; Feb. 14.
- Capen, George H., Canton Junction, Mass. Cedar-oil polish. No. 155,395; Feb. 14.
- Cerf, Barnuch, Milwaukee, Wis., and Chicago, Ill. Canned goods, coffee, tea, etc. No. 137,211; Feb. 14.
- Chlorine Products Company, Inc., Dover, Del., and New York, N. Y. Preparation for treatment of psoriasis and eczema. No. 152,462; Feb. 14.
- Choate, Charles N., Bridgeport, Conn. Nonferrous ingots of copper, nickel, and zinc and alloys for same. No. 154,726; Feb. 14.
- Clark, Guy O., Vancouver, British Columbia, Canada, and Seattle, Wash. Dairy product. No. 146,165; Feb. 14.
- Cleveland Tractor Company, The, Euclid, Ohio. Agricultural implements. No. 131,466; Feb. 14.
- Collins, C. C., Company, Santa Ana, Calif. Walnuts in their natural state. No. 152,886; Feb. 14.
- Colonial Chemical Corporation, Reading, Pa. Disinfectant. No. 154,792; Feb. 14.
- Colonial Export & Import Company, New York, N. Y. Wheat flour. No. 140,636; Feb. 14.
- Continental Mills, Inc., Philadelphia, Pa. Knitted and woven woolen and worsted cloths, Jersey cloths, etc. No. 155,805; Feb. 14.
- Coöperatieve Zuivel-Export-Vereeniging "Noord-Holland," Alkmaar, Netherlands. Cheese. Nos. 146,367-8; Feb. 14.
- Craig Golfmeter Co., San Francisco, Calif. Captive-ball device for playing and practice of games—namely, golf. No. 155,666; Feb. 14.
- Crickelas, Nicholas A., New York, N. Y. Cigars. No. 154,864; Feb. 14.
- Day, James B., & Co., Chicago, Ill. Colors in oil, paste, stains, paints, varnishes, etc. No. 154,865; Feb. 14.
- Day, James B., & Co., Chicago, Ill. Dry colors, prepared wax, polish for furniture, woodwork, etc., varnishes, etc. No. 154,794; Feb. 14.
- Dayton Color Works Company, The, Dayton, Ohio. Black ready-mixed paint. No. 154,128; Feb. 14.
- De Danske Mejeriforeningers Mælke-Export, Aarhus, Denmark. Milk products—namely, sterilized and condensed milk, cream, and dried milk. No. 149,173; Feb. 14.
- Degen-Lipp, Inc., Brooklyn, N. Y. Shoes of leather, canvas, or a combination of both materials. No. 156,050; Feb. 14.
- Delisco Corporation, Limited, Boston, Mass. Coffee substitute. No. 142,752; Feb. 14.
- Diamond Electrical Specialties Corporation, New York, N. Y. assignor to Diamond Electric Specialties Corp., Newark, N. J. Christmas-tree-lighting-outfits and automobile lamps. No. 124,514; Feb. 14.
- Diamond Iron Works, Minneapolis, Minn. Oil engines. No. 123,475; Feb. 14.
- Dishmond, Mary A. B., Raleigh, N. C. Hair tonic. No. 154,964; Feb. 14.
- Disston, Henry, & Sons, Incorporated, Philadelphia, Pa. Levels, bevels, squares, and cutting, marking and mortise gages. No. 154,584; Feb. 14.
- Doniger, David D., & Co. Inc., New York, N. Y. Caps for men. No. 150,593; Feb. 14.
- Dunbar Molasses & Syrup Co., New Orleans, La. Molasses. No. 146,416; Feb. 14.
- Dunn-Pen Company, Inc., New York, N. Y. Fountain pens. No. 157,214; Feb. 14.
- Dunn-Pen Company, Inc., New York, N. Y. Fountain pens. No. 157,216; Feb. 14.
- Endres, Alfred, New York, N. Y. Malt extracts. No. 150,856; Feb. 14.
- Electro Manufacturing Company, Brooklyn, N. Y. Material for electrical insulation, matter for electrical insulators, etc. No. 145,886; Feb. 14.
- Eureka Metal Polish Co. (Inc.), Chicago, Ill. Automobile and furniture polishes. No. 135,702; Feb. 14.
- Fair, The, Chicago, Ill. Shoes made of leather and combination of leather and cloth. No. 157,029; Feb. 14.
- Fairchild Bros. & Foster, New York, N. Y. Fermented milk to be used as a milk beverage and a milk food beverage. No. 151,511; Feb. 14.
- Fayart, Ernest J., Springfield, Ill. Abdominal bandages and supporters. No. 152,746; Feb. 14.
- Fillman, John W., Philadelphia, Pa. Textile hospital blankets. No. 153,504; Feb. 14.
- Follansbee Brothers Company, Pittsburgh, Pa. Ferrous metal plates and sheets. No. 151,038; Feb. 14.
- Forstmann & Hufmann Company, Passaic, N. J. Woolen piece goods. No. 155,612; Feb. 14.
- Gamewell Fire Alarm Telegraph Company, The, New York, N. Y. Electrical apparatus, machines, and supplies. No. 154,646; Feb. 14.
- Garner Print Works and Bleachery, New York, N. Y. Cotton piece goods. Nos. 151,039-42; Feb. 14.
- Garrett & Company, Inc., Brooklyn, N. Y. Flavoring extracts for food. No. 152,621; Feb. 14.
- Gebrüder Bühler, Uzwil, Switzerland. Brushes belonging to milling machinery. No. 151,819; Feb. 14.
- Geer Drug Company, The, Charleston, S. C. Skin cream. No. 120,531; Feb. 14.
- General Baking Company, New York, N. Y. Cake, pastry, biscuits, etc. No. 145,893; Feb. 14.
- George, James, Company, The, Boston, Mass. Cut soles of leather prepared for shoe repairing. No. 148,888; Feb. 14.
- Gillette Safety Razor Company, Boston, Mass. Safety razors. No. 148,998; Feb. 14.
- Gilmore Petroleum Company, Los Angeles, Calif. Lubricating oil. Nos. 155,680-1; Feb. 14.
- Goldman, Sigmund L., Chicago, Ill. Malt extracts in use in making nonalcoholic beverages. No. 152,252; Feb. 14.
- Goodman, Henry B., Boston, Mass. Expense-account books. No. 155,614; Feb. 14.
- Greer, John H., San Francisco, Calif. Portable savings bank. No. 141,633; Feb. 14.
- Haerberlein, Walter J., Camden, N. J. Oleomargarine. No. 141,634; Feb. 14.
- Hager, Albert R., Salt Lake City, Utah. Game, (played with pieces similar to dominoes.) No. 154,510; Feb. 14.
- Halferty, G. P., Seattle, Wash. Canned salmon. No. 150,676; Feb. 14.
- Halstead Specialties Company, San Francisco, Calif. Rust solvent. No. 137,223; Feb. 14.
- Hamilton Card & Paper House, Inc., New York, N. Y. Paper and other envelopes, index cards, and filing folders, etc. No. 148,275; Feb. 14.
- Harley, E. C., Company, The, Dayton, Ohio. Canned fruits, vegetables, and fish, teas. No. 141,109; Feb. 14.
- Harris, A. W. Oil Company, Providence, R. I. Lubricating oils and greases. No. 155,558; Feb. 14.
- Hazel Net Company, The, New York, N. Y. Hair nets. Nos. 155,753-4; Feb. 14.
- Heineman Bros., Baltimore, Md. Cigars. No. 156,491; Feb. 14.
- Hiell, Morris, New York, N. Y. Salad oil, cottonseed oil flavored with olive oil. Nos. 153,038-9; Feb. 14.
- Hilton, George F., St. Augustine, Ill. Preparation for preventing corrosion of the terminals of storage batteries. No. 154,797; Feb. 14.
- Hirschberg, J. Co., Inc., McKeesport, Pa. Phonographs. No. 144,524; Feb. 14.
- Hoffman, C. E., Company, Dallas, Tex. Hair tonic. No. 153,845; Feb. 14.
- Hügo Büchner, Maschinenfabrik und Apparatebau-Anstalt-Gesellschaft mit beschränkter Haftung, Berlin, Germany. Roller stropping apparatus for razors and safety-razor blades. No. 144,891; Feb. 14.
- Hygienic Fibre Company, Versailles, Conn. First-aid outfits. No. 155,618; Feb. 14.
- Illinois Pure Aluminum Co., Lemont, Ill. Aluminum ware used for household and kitchen purposes. No. 151,273; Feb. 14.
- Ingram, Frederick F., Company, Detroit, Mich. Complexion lotion. No. 155,097; Feb. 14.
- International Salt Co. of New York, N. Y. Dairy and table salt. No. 151,675; Feb. 14.
- Israel, Morris, New York, N. Y. Fabrics in the piece for use in the making of corsets. No. 138,766; Feb. 14.
- Jameelah Jane Corporation, Chicago, Ill. Face powder, cold cream, vanishing cream, rouge. No. 155,176; Feb. 14.
- Johnson Educator Food Company, Cambridge, Mass. Cookies, crackers, cakes, biscuits. No. 141,581; Feb. 14.
- Johnson, George J., Cambridge, Mass. Chocolate confectionery. No. 152,169; Feb. 14.
- Kaylok Manufacturing Company, Newark, N. J. Locks for automobile steering mechanism. No. 150,903; Feb. 14.
- Kavanaugh, George W., Inc., New York, N. Y. Cotton sheetings and cloths in bolts. No. 134,825; Feb. 14.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

xxiii

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Keller, B. A., Newark, N. J. Eyeglasses, temples, and eyeglass bridges and nose pieces for same. No. 151,516; Feb. 14.
- Keystone Fruit Products Company, Cincinnati, Ohio. Sirup for use at soda-fountains for making beverages. No. 119,892; Feb. 14.
- Keystone Lubricating Company, Philadelphia, Pa. Lubricants, consisting of oils and greases. No. 152,759; Feb. 14.
- Knight, Maurice A., East Akron, Ohio. Acid-proof chemical stoneware. No. 154,032; Feb. 14.
- Koppel Industrial Car & Equipment Company, Koppel and Pittsburgh, Pa. Electric locomotive and tractors. No. 132,391; Feb. 14.
- Kuntzmann, Henry H., St. Louis, Mo. Shampoo for the hair and scalp. No. 155,099; Feb. 14.
- Lee, Harry C. & Company, Inc., New York, N. Y. Tennis rackets. No. 157,320; Feb. 14.
- Lessmann Bros., New York, N. Y. Cutlery. No. 146,445; Feb. 14.
- Lynch, John J., Waterbury, Conn. Polishing compound for surfaces varnished, enameled, etc. No. 153,850; Feb. 14.
- Madolene Pickle Corporation, Newport News, Va. Pickles. No. 152,684; Feb. 14.
- Magno Storage Battery Co., Brooklyn, N. Y. Electric batteries. No. 139,083; Feb. 14.
- Mallinson, H. R., & Co., Inc., New York, N. Y. Silk piece goods. Nos. 155,819-20; Feb. 14.
- Mason City Oil & Grease Company, Mason City, Iowa. Lubricating oils and greases. No. 151,839; Feb. 14.
- Matthews, Jas. H. & Co., Pittsburgh, Pa. Marking tools for marking articles of metal. No. 144,532; Feb. 14.
- McCreery, James, & Company, New York, N. Y. Shoes of leather, rubber and fabric for women and children. No. 157,231; Feb. 14.
- Metropolitan Hair Goods Co., Inc., New York, N. Y. Human hair nets. No. 155,625; Feb. 14.
- Meyer, Harold J., St. Joseph, Mo. Salted peanuts, almonds, pecans, and filberts. No. 148,450; Feb. 14.
- Midwest Steel & Supply Company, Inc., New York, N. Y. Cleaning apparatus for filter parts. No. 154,610; Feb. 14.
- Milhoan, Melvin O., Olathe, Kans. Preparations for the treatment of piles, rickets, or St. Vitus's dance and nervous diseases. No. 149,859; Feb. 14.
- Miller Wall Paper and Paint Co., St. Louis, Mo. House paints. No. 140,189; Feb. 14.
- Milligan, G. D., Grocer Co., Springfield, Mo. Canned fruits and vegetables. No. 153,150; Feb. 14.
- Mitchell-Bissell Company, New York, N. Y. Thread guides for textile machinery. No. 153,946; Feb. 14.
- Mitchell-Bissell Company, New York, N. Y. Thread guides for textile machinery. No. 153,986; Feb. 14.
- Morrell, John & Company, Ottumwa, Iowa. Hams, shoulders, boneless butts, picnics, bacon, etc. No. 147,363; Feb. 14.
- Morris, William L., Broseley, Mo. Egg candlers. No. 153,889; Feb. 14.
- Nalty, Herbert, London, England. Golf balls and golf clubs. No. 156,970; Feb. 14.
- Nappin & Webb Limited, Sheffield and London, England. Table knives, forks and spoons, cheese, fruit, and fish knives and forks, etc. No. 151,281; Feb. 14.
- Nashua Manufg. Company, Nashua, N. H. Cotton suitings. No. 131,916; Feb. 14.
- National Paper Can Company, The, Milwaukee, Wis. Coffee. No. 153,102; Feb. 14.
- Nelson, P. W., Inc., Brooklyn, N. Y., and Chicago, Ill. Colors and tints in dry powder form. No. 155,232; Feb. 14.
- Niles Manufacturing Company, Niles, Mich. Spark plugs. No. 152,380; Feb. 14.
- Nissley Creamery Company, Fort Worth, Tex. Sweet, powdered, and condensed milk, butter, ice cream, etc. No. 135,820; Feb. 14.
- Northwestern Oil Company, Superior, Wis., and Duluth, Minn. Liquid fuel oils. No. 156,335; Feb. 14.
- Nu-Iron Laboratory, Incorporated, The, Denver, Colo. General medicinal tonic. No. 153,561; Feb. 14.
- Oklahoma Producing and Refining Corporation of America, Tulsa, Okla. Lubricating oil. No. 157,632; Feb. 14.
- Onepiece Bifocal Lens Company, Indianapolis, Ind. Ophthalmic lenses. No. 153,152; Feb. 14.
- Parker, Franklin T., Columbia, S. C. Reinforced press cloth for use in oil-seed presses. No. 143,999; Feb. 14.
- Pearl Cotton Mills, Durham, N. C. Sheetings. No. 138,512; Feb. 14.
- Permanent Manufacturing Co., Oakland, Calif. Needles or styli for sound-reproducing instruments. No. 142,766; Feb. 14.
- Pinkus, Flora W., New York, N. Y. Cigarettes. No. 143,831; Feb. 14.
- Polyphonwerke Aktiengesellschaft, Berlin, Germany. Phonographic note disks and cylinders, etc. No. 145,586; Feb. 14.
- Portland Flouring Mills Co., The, Portland, Oreg. Flour, oats, corn, meal, feeds, etc. No. 149,484; Feb. 14.
- Ragus Sugar Company, Inc., Buffalo, N. Y. Sugar, teas, coffee, rice, cocoa, corn starch. No. 151,233; Feb. 14.
- Rauch Cigar Company, Inc., Indianapolis, Ind. Tobacco products. No. 155,120; Feb. 14.
- Rawles, James D., Company, Boston, Mass. Metal pipe fittings, pipe hangers, valves, and nuts. No. 139,989; Feb. 14.
- Red "C" Oil Manufacturing Co., Baltimore, Md. Lubricating oils and greases, gasoline. No. 127,261; Feb. 14.
- Remington Arms Company, Inc., Bridgeport, Conn., Ilion and New York, N. Y., and Swanton, Vt. Cash registers and parts thereof. Nos. 158,553-4; Feb. 14.
- Ridenour-Baker Grocery Company, Kansas City, Mo. Tea. No. 152,593; Feb. 14.
- Rinaldo, Laurence J., Saratoga Springs, N. Y. Imitation gems. No. 143,141; Feb. 14.
- Ritz-Carlton Mineral Water Co., Inc., New York, N. Y. Carbonated and lithiated water, ginger ale, etc. No. 156,414; Feb. 14.
- Rogers, Loyal D., Chicago, Ill. Laboratory apparatus. No. 155,367; Feb. 14.
- Rutland Fire Clay Co., Rutland, Vt. Water-glass egg preserver. No. 154,997; Feb. 14.
- Schoppenhorst, Francis W., Indianapolis, Ind. Antiseptic medicine. No. 150,938; Feb. 14.
- Seel, George A., Galveston, Tex. Flavoring sirups and a maltless nonalcoholic beverage. No. 151,493; Feb. 14.
- Selter, P. B., Detroit, Mich. Tackle blocks. No. 150,832; Feb. 14.
- Sem-Pray Jo-Ve-Nay Company, Grand Rapids, Mich. Toilet cream. Nos. 153,054-5; Feb. 14.
- Shales, Alfred, Newton, Mass. Scratch fillers. No. 137,186; Feb. 14.
- Siebert, Otto W., Gardner, Mass. Velocipedes. No. 157,184; Feb. 14.
- Siegrist, William B., Jellico, Tenn. Bread. No. 151,854; Feb. 14.
- Silz, A., Inc., New York, N. Y. Cheese, broths, soups, etc. No. 150,981; Feb. 14.
- Simons Bros. Company, Philadelphia, Pa. Key rings and chains, headed canes, umbrella handles, and thimbles. No. 154,069; Feb. 14.
- Singer Manufacturing Company, The, Elizabeth, N. J., and New York, N. Y. Family and manufacturing sewing machines, their parts, and attachments. No. 149,935; Feb. 14.
- Sitroux Importing Company, Inc., New York, N. Y. Hair nets. Nos. 155,781-3; Feb. 14.
- Sitroux Importing Company, Inc., New York, N. Y. Hair nets. Nos. 155,787-8; Feb. 14.
- Spieker's Dr., Bulgarian Yoghurt Corporation, New York, N. Y. Sour milk. No. 146,599; Feb. 14.
- Sperry Flour Company, San Francisco, Stockton, Fresno, Vallejo, and Los Angeles, Calif.; Creston, Spokane, and Tacoma, Wash., and Ogden, Utah. Wheat flour. No. 147,373; Feb. 14.
- Stafford, George A., New York, N. Y. Woven cotton fabrics in the piece. No. 138,965; Feb. 14.
- Stevens Soft Sole Shoe Co., Salem, Mass. Infants' soft-sole shoes made wholly or in part of leather and cloth. No. 156,420; Feb. 14.
- Sun Lite Bakeries System, Inc., Pittsburgh, Pa. Bakery products. No. 140,851; Feb. 14.
- Tacony File & Hardware Co., Inc., Philadelphia, Pa. Files. No. 154,712; Feb. 14.
- Templeton's Limited, Toronto, Ontario, Canada. Medicine for asthma. No. 146,278; Feb. 14.
- Thatcher-Clore Drug Co., Columbus, Ohio. Medicated preparation for dyspepsia, nausea, etc. No. 136,048; Feb. 14.
- Thibodeau, A. F., Company, Detroit, Mich. Eggs. No. 147,221; Feb. 14.
- Thomson-Diggs Company, The, Sacramento, Calif. Tin, galvanized, enameled, copper, and aluminum wash-tubs, washboilers, etc. No. 148,178; Feb. 14.
- Trahern Tobacco Co., Inc., Clarksville, Tenn. Tobacco extract used for saucing or flavoring tobacco. No. 152,871; Feb. 14.
- Tulsa Oil Products Co., Tulsa, Okla. Gasoline. No. 156,420; Feb. 14.
- Turmac Turkish-Macedonian Tobacco Company, Arnhem, Netherlands. Smoking and chewing tobacco, cigarettes, cigars, and snuff. No. 156,664; Feb. 14.
- Twin City Forge and Foundry Company, Stillwater, Minn. Drop forgings and castings. No. 142,731; Feb. 14.
- Twin City Gro. Co., Elkhart, Ind. Wheat flour. No. 144,550; Feb. 14.
- United Cigar Stores Company of America, Jersey City, N. J., and New York, N. Y. Cigars, cigarettes, cheroots, snuff, and manufactured smoking and chewing tobacco. No. 154,625; Feb. 14.
- United Bakeries Corporation, St. Louis, Mo. Cake. No. 148,464; Feb. 14.
- United Oil Company Incorporated, The, Baltimore, Md. Lubricating oils. No. 157,347; Feb. 14.
- Van Arman Manufacturing Company, Fort Wayne, Ind. Mop wringers. No. 152,222; Feb. 14.
- Victor Oil Company, The, Cleveland, Ohio. Lubricating oils. No. 129,916; Feb. 14.
- Wabash Baking Powder Company, Wabash, Ind. Baking powder and soda. No. 155,203; Feb. 14.
- Walter S., Inc., Philadelphia, Pa. Toilet paper. No. 157,594; Feb. 14.
- Waterman, J. S., & Co. Inc., New Orleans, La. Wheat flour. No. 152,111; Feb. 14.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

-
- | | |
|---|--|
| <p>Webb Manufacturing Company, Nashville, Tenn. Flavoring extracts for food. No. 152,940; Feb. 14.</p> <p>Welte, M., & Sons, Inc., Poughkeepsie and New York, assignor to Welte-Mignon Corporation, New York, N. Y. Organs, automatic organs, orchestrions. No. 108,762; Feb. 14.</p> <p>Welte-Mignon Corporation. (See Welte, M., & Sons, assignor.)</p> <p>White, H. C. Company, North Bennington, Va. Four-wheeled play wagons for children. No. 147,142; Feb. 14.</p> <p>White, Robert C. Inc., Philadelphia, Pa. Liquid preparation taken internally as an alterative, anti-asthmatic, etc. No. 155,206; Feb. 14.</p> <p>White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Dental files and saws. No. 135,771; Feb. 14.</p> <p>Whiting Paper Company, Holyoke, Mass. Writing papers and mailing envelopes. No. 157,785; Feb. 14.</p> <p>Wielich, Albert, New York, N. Y. Malt extracts. No. 140,976; Feb. 14.</p> | <p>Willys Overland Company, The, Toledo, Ohio. Engines. No. 153,632; Feb. 14.</p> <p>Winder Manufacturing Co., The, Winder, Ga. Overalls, coats, jumpers, and work shirts. No. 150,788; Feb. 14.</p> <p>Winthrop Chemical Company, Inc., New York, N. Y. Sedative and hypnotic. No. 155,209; Feb. 14.</p> <p>Withington-Hunting, Inc., New York, N. Y. Motion-picture-projecting apparatus. No. 152,197; Feb. 14.</p> <p>Wood, J. R., & Sons, New York, N. Y. Finger rings, cuff links, and buttons, etc. No. 138,366; Feb. 14.</p> <p>Work-Organizer Specialties Company, Detroit, Mich. Filing folders, data books, article sorting and distributing folders. No. 148,570; Feb. 14.</p> <p>Worthington Pump and Machinery Corporation, New York, N. Y. Pumping machinery, pumps, tractors, etc. No. 149,607; Feb. 14.</p> <p>Wyckoff, Clarence F., Ithaca, N. Y. Medicine as a tonic and eliminant. No. 155,075; Feb. 14.</p> <p>Yellow Jack-It Mfg. Co., Chicago, Ill. Lifting jacks and parts thereof. No. 151,501; Feb. 14.</p> |
|---|--|
-

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF FEBRUARY, 1922.

NOTE.—Arranged in accordance with the first significant character or word of the name. (In accordance with city and telephone directory practice.)

- Acid, Derivatives of camphoric. E. S. Faust. No. 1,406,547; Feb. 14.
 Adding and subtracting device. A. Wolpert. No. 1,406,712; Feb. 14.
 Agitating and heating mobile material, Apparatus for. L. W. Bates. No. 1,406,818; Feb. 14.
 Agitating mechanism. M. Donauer. No. 1,406,355; Feb. 14.
 Air and water dispensing apparatus. J. W. Merickel. No. 1,406,471; Feb. 14.
 Aircraft, Control for. N. W. Dalton. No. 1,406,617; Feb. 14.
 Aircraft, Landing gear for. J. F. Meade. No. 1,406,575; Feb. 14.
 Aircraft, Plane for. J. F. Brice. No. 1,406,923; Feb. 14.
 Aircraft-propeller hub, Detachable. J. G. Vincent. No. 1,406,251; Feb. 14.
 Alarm: *See*—
 Cash-drawer burglar alarm. Thermoelectric alarm.
 Alarm. J. Cronan. No. 1,406,937; Feb. 14.
 Alarm. A. C. and H. E. Schloth. No. 1,406,762; Feb. 14.
 Amusement apparatus. I. L. M. Schackie. No. 1,406,765; Feb. 14.
 Amusement device. E. Price. No. 1,406,412; Feb. 14.
 Amusement device. G. C. Weiss. No. 1,406,431; Feb. 14.
 Amusement device. J. C. Welch. No. 1,406,705; Feb. 14.
 Amplifier, Vacuum spark. G. W. Henricks. No. 1,406,858; Feb. 14.
 Annealing furnace. C. E. Sorensen. No. 1,406,424; Feb. 14.
 Annunciator. H. Robinson. No. 1,406,899; Feb. 14.
 Antirattler for window sashes. H. C. Noble. No. 1,406,409; Feb. 14.
 Antiskidding devices, Attaching means for. S. D. Jacobson. No. 1,406,458; Feb. 14.
 Arch supporter. C. E. Chase. No. 1,406,957; Feb. 14.
 Audience, Means of addressing an. W. Dobson. No. 1,406,726; Feb. 14.
 Auger, Power posthole. L. J. Herditchka. No. 1,406,187; Feb. 14.
 Auto signal. A. M. Stanley. No. 1,406,694; Feb. 14.
 Auto signaling device. E. G. Brugler. No. 1,406,532; Feb. 14.
 Automobile body. A. T. Sturt. No. 1,406,240; Feb. 14.
 Automobile fender. H. W. Dyer. No. 1,406,828; Feb. 14.
 Automobile headlight, Dirigible. P. A. Asbjeld. No. 1,406,955; Feb. 14.
 Automobile ignition lock. G. W. Turner. No. 1,406,784; Feb. 14.
 Automobile lock. R. B. Hastings. No. 1,406,854; Feb. 14.
 Automobile locking device. A. W. McWilliams. No. 1,406,670; Feb. 14.
 Automobile puller and power mechanism. J. T. Montgomery. No. 1,406,752; Feb. 14.
 Automobile side curtain. M. B. Sanberg. No. 1,406,499; Feb. 14.
 Automobile signal. W. Schierding. No. 1,406,290; Feb. 14.
 Automobile tail light. J. Parker and T. Wilkie. No. 1,406,485; Feb. 14.
 Automobiles, Antiskid device for. P. McCook. No. 1,406,403; Feb. 14.
 Automobiles, Bumper for. C. Bowen. No. 1,406,921; Feb. 14.
 Automobiles, Caution device for. O. Goldsmith. No. 1,406,848; Feb. 14.
 Automobiles Dust-sucking apparatus for. M. Brenneisen. No. 1,406,530; Feb. 14.
 Automobiles, Flywheel for. C. C. Riley. No. 1,406,283; Feb. 14.
 Automobiles, Running-board and fender support for. E. E. Green. No. 1,406,728; Feb. 14.
 Automobiles, Shock absorber for. L. R. Hunt. No. 1,406,388; Feb. 14.
 Automobiles, Traction means for. A. W. Nelson. No. 1,406,212; Feb. 14.
 Bag, Hand. J. Sims. No. 1,406,505; Feb. 14.
 Bait. C. B. Fisher. No. 1,406,834; Feb. 14.
 Baker, Steam. L. B. Talbott. No. 1,406,777; Feb. 14.
 Balata, Determinating and purifying. C. H. Keith and N. G. Madge. No. 1,406,654; Feb. 14.
 Bandage, Foot. W. Ruge. No. 1,406,583; Feb. 14.
 Bank, safe, and vault lock. L. Bailly. No. 1,406,813; Feb. 14.
 Barge, Waste-fuel-oil-salvaging. H. M. Fackert. No. 1,406,950; Feb. 14.
 Barrel-tallying machine. L. M. Whitehead. No. 1,406,314; Feb. 14.
 Bars, Saddle for reinforcing. A. G. Hatch. No. 1,406,379; Feb. 14.
 Baseball, Table. C. W. Wagner. No. 1,406,308; Feb. 14.
 Bearing, Self-oiling rocker. C. E. Thompson. No. 1,406,780; Feb. 14.
 Beltting. R. J. Vedovell. No. 1,406,306; Feb. 14.
 Berry picker. J. A. Kaye. No. 1,406,874; Feb. 14.
 Berry pickers, Box holder for. P. I. Andrews. No. 1,406,326; Feb. 14.
 Bin front. W. N. Vance. No. 1,406,304; Feb. 14.
 Binder. L. Elkin. No. 1,406,450; Feb. 14.
 Binder and covering member therefor, Expandable and contractable leaf. W. H. Edwards. No. 1,406,829; Feb. 14.
 Bit: *See*—
 Drill bit. Shot bit.
 Bit, Shot. C. C. Hansen. No. 1,406,185; Feb. 14.
 Blinder. Z. T. Miller. Nos. 1,406,675-6; Feb. 14.
 Block: *See*—
 Sheave block.
 Board: *See*—
 Educational board. Ironing board.
 Fiber board.
 Boat. C. J. Baer. No. 1,406,602; Feb. 14.
 Boiler, Vertical. S. Hallander. No. 1,406,729; Feb. 14.
 Bomb, Aerial. E. C. Frisk. No. 1,406,633; Feb. 14.
 Book, Renewable or loose leaf. G. A. Bennett and F. B. A. Kirsten. No. 1,406,166; Feb. 14.
 Bottle capper. H. J. Leberz. (Reissue.) No. 15,285; Feb. 14.
 Bottles, etc., Machine for making. H. M. Brown. No. 1,406,722; Feb. 14.
 Box: *See*—
 Electric cut-out box. Paper box.
 Ice-cracking box.
 Brace: *See*—
 Rail brace. Shoulder brace.
 Bracelet, Ribbon. R. King. No. 1,406,647; Feb. 14.
 Bracket: *See*—
 Piano-action bracket.
 Brake and accelerator, Combined. R. P. May. No. 1,406,402; Feb. 14.
 Brake-beam support. C. H. Williams. No. 1,406,915; Feb. 14.
 Brakes and clutches, Lining for. L. E. Booth. No. 1,406,720; Feb. 14.
 Brick mold, Multiple. F. J. Kinzinger. No. 1,406,460; Feb. 14.
 Bridge, Bascule. T. E. Brown, Jr. No. 1,406,259; Feb. 14.
 Bromine, Method of and apparatus for extracting. H. H. Dow. No. 1,406,624; Feb. 14.
 Brooch pins, Combined safety catch and point protector for. W. Williams. No. 1,406,708; Feb. 14.
 Brush handle. E. G. Foss. No. 1,406,841; Feb. 14.
 Brush, Shaving. J. C. Page. No. 1,406,483; Feb. 14.
 Buckle. J. P. Smith. No. 1,406,770; Feb. 14.
 Buckle. A. J. Wood. No. 1,406,517; Feb. 14.
 Buckle, Belt. A. H. Eddy. No. 1,406,449; Feb. 14.
 Buckle, Belt. S. M. Riker. Nos. 1,406,281-2; Feb. 14.
 Building blocks, Rolling apparatus for making. A. G. Hatch. No. 1,406,856; Feb. 14.
 Buildings, Heating and cooling of. W. N. and C. I. Haden. No. 1,406,852; Feb. 14.
 Burglar alarm, Cash-drawer. W. C. Dillon, C. J. Toay, W. H. Toay, and A. Haney. No. 1,406,447; Feb. 14.
 Burner: *See*—
 Gas burner. Oil burner.
 Hydrocarbon burner. Vapor burner.
 Burners, Automatic air and oil regulator for rotary. W. R. Ray. No. 1,406,414; Feb. 14.
 Burners, Regulator for gas-heater. T. W. Corkell. No. 1,406,614; Feb. 14.
 Business form. J. L. Howard. No. 1,406,561; Feb. 14.
 Cabinet, Kitchen. W. M. Gallagher. No. 1,406,368; Feb. 14.
 Cabinet, Record-filing. W. E. Muffy. No. 1,406,753; Feb. 14.
 Calk. M. J. Griffin. No. 1,406,374; Feb. 14.

- Camera. G. W. Kauser. No. 1,406,653; Feb. 4.
 Can-closing machine. Filled-. P. W. Flerischer. No. 1,406,631; Feb. 14.
 Candies. Coating. C. Elliott. No. 1,406,628; Feb. 14.
 Can opener. R. B. Minor. No. 1,406,750; Feb. 14.
 Can-seaming machine. W. Cameron. No. 1,406,724; Feb. 14.
 Caoutchouc, Manufacture of thiocarbamide for vulcanization of. C. W. Bedford and R. L. Sibley. No. 1,406,719; Feb. 14.
 Caoutchouc, Thiocarbamide derivatives in the vulcanization of. C. W. Bedford and R. L. Sibley. No. 1,406,718; Feb. 14.
 Caoutchouc, Vulcanizing. C. W. Bedford and R. L. Sibley. No. 1,406,717; Feb. 14.
 Car compartments, Fastening for freight-. A. H. Smith. No. 1,406,294; Feb. 14.
 Car, Dump. W. P. Murphy. No. 1,406,274; Feb. 14.
 Car end, Sheet-metal. E. W. Test. No. 1,406,701; Feb. 14.
 Car, Railway. F. W. Chriswell. No. 1,406,345; Feb. 14.
 Cars, Door for grain. G. L. Redshaw. No. 1,406,594; Feb. 14.
 Card, Display. J. Domber. No. 1,406,944; Feb. 14.
 Carpet strips, Twister for. W. E. Olson. No. 1,406,217; Feb. 14.
 Carrier: See—
 Gravity carrier.
 Cartridge-belt container. J. S. Peoples. No. 1,406,954; Feb. 14.
 Casing cutting tool. C. C. Hansen. No. 1,406,853; Feb. 14.
 Caster. J. S. Cantelo. No. 1,406,930; Feb. 14.
 Castings, Apparatus for use in the treatment or annealing of. E. K. Smith. No. 1,406,769; Feb. 14.
 Catamenial calendar. J. L. Murray. No. 1,406,210; Feb. 14.
 Cattle guard. H. F. Carden. No. 1,406,343; Feb. 14.
 Cattle, Watering device for. H. C. Rassmann. No. 1,406,490; Feb. 14.
 Cell, Dry. G. W. Vinal and H. D. Holler. No. 1,406,429; Feb. 14.
 Cellulose-acetate solution. M. E. Putnam and W. E. Kirst. No. 1,406,224; Feb. 14.
 Cement and concrete. E. Longan y Senan. No. 1,406,421; Feb. 14.
 Chandelier. E. Unger. No. 1,406,508; Feb. 14.
 Chain, Bead. C. P. Kuchner. No. 1,406,463; Feb. 14.
 Chain-link assembler. R. A. Johnson. No. 1,406,740; Feb. 14.
 Chair: See—
 Fishing chair. Shower-bath chair.
 Chair. S. C. Pandolfo. No. 1,406,888; Feb. 14.
 Check guard. V. Chelena. No. 1,406,611; Feb. 14.
 Chloridizing apparatus. E. W. Westcott. No. 1,406,596; Feb. 14.
 Chuck. H. C. Elvers. No. 1,406,451; Feb. 14.
 Churn. D. W. Davis. No. 1,406,543; Feb. 14.
 Churn. N. P. Dazey. No. 1,406,619; Feb. 14.
 Cinematographic films, Means for moving. E. A. Larsson. No. 1,406,876; Feb. 14.
 Circuit, Device for translating the effects of sound vibrations into variations in an electrical. C. A. Finley. No. 1,406,833; Feb. 14.
 Circuit interrupter. W. V. Lovell. No. 1,406,267; Feb. 14.
 Circuit interrupter. J. Slepian. No. 1,406,234; Feb. 14.
 Circuits, Testing and adjusting apparatus for cord. J. F. Toomey. No. 1,406,246; Feb. 14.
 Clamp: See—
 Adjustable spring clamp. Hose clamp.
 Clay and other impure aluminous materials, Enabling alumina to be obtained from. H. Pedersen. No. 1,406,890; Feb. 14.
 Cleaner: See—
 Seed cleaner.
 Cleaning material. M. Tani. No. 1,406,243; Feb. 14.
 Clip: See—
 Pocket clip.
 Clock, Chime. F. Wehinger. No. 1,406,511; Feb. 14.
 Clock, Electric. J. T. A. Gaucher. No. 1,406,549; Feb. 14.
 Closure-operating device. C. R. McCullum. No. 1,406,468; Feb. 14.
 Clothesline reel. D. L. MacAulay. No. 1,406,882; Feb. 14.
 Clutch, Hydraulic. W. W. Sides. No. 1,406,292; Feb. 14.
 Clutch, Jeweler's. L. J. Roy. No. 1,406,688; Feb. 14.
 Coal-mining apparatus. N. D. Levin. No. 1,406,660; Feb. 14.
 Coated fabric and making same. J. A. Wilson. No. 1,406,710; Feb. 14.
 Coaster. H. A. Mazer. No. 1,406,269; Feb. 14.
 Coffee mill and sifter. V. Rusnak. No. 1,406,761; Feb. 14.
 Coin-counting machines, Wrapper-holding mechanism for. E. P. Donnellan. No. 1,406,623; Feb. 14.
 Comb, Band. W. S. Bechtold. No. 1,406,819; Feb. 14.
 Combination lock. J. S. Erickson. No. 1,406,629; Feb. 14.
 Commutator. A. E. Doman. No. 1,406,448; Feb. 14.
 Commutator-brush adjuster, Automatic. C. Rumpfelt. No. 1,406,495; Feb. 14.
 Concrete tie, Reinforced-. W. Graham. No. 1,406,454; Feb. 14.
 Condenser. R. N. Ehrhart. No. 1,406,356; Feb. 14.
 Condenser, Compartment surface. P. A. Bancel. No. 1,406,815; Feb. 14.
 Containers, Detachable handle for. J. Bachrik. No. 1,406,811; Feb. 14.
 Control apparatus. H. L. Beach. No. 1,406,333; Feb. 14.
 Control mechanism, Automatic. W. H. McGee, and R. S. Berry. No. 1,406,405; Feb. 14.
 Controller. H. D. James. No. 1,406,389; Feb. 14.
 Cookers, Indicating mechanism for rotary helical. N. Nielsen. No. 1,406,213; Feb. 14.
 Cooking utensils, Detachable handle for. T. O. Dugger. No. 1,406,826; Feb. 14.
 Cooling system. H. H. Boyce. No. 1,406,922; Feb. 14.
 Cork-insert machine. J. H. Saris. No. 1,406,689; Feb. 14.
 Corsets, Means for attaching hose supporters to. I. La Montagne. No. 1,406,677; Feb. 14.
 Cotton, Carding or straightening the fibers of. D. E. Molloy. No. 1,406,474; Feb. 14.
 Cotton cleaner and separator. C. Hillmann and F. Siems. No. 1,406,559; Feb. 14.
 Coupling: See—
 Flexible pipe coupling. Shaft coupling.
 Crank shafts, Tool for truing up. K. R. Peters. No. 1,406,756; Feb. 14.
 Crate, Folding animal. W. E. Petty. No. 1,406,278; Feb. 14.
 Crating or packing means. C. A. Cummings. No. 1,406,615; Feb. 14.
 Crutches, Shock absorber for. W. F. Fanning. No. 1,406,453; Feb. 14.
 Crushing machine. W. M. Hoppin. No. 1,406,189; Feb. 14.
 Cultivator. D. R. Richie. No. 1,406,417; Feb. 14.
 Cultivator, Hand. T. E. Stanley. No. 1,406,772; Feb. 14.
 Cuspidor. L. Mintzies. No. 1,406,472; Feb. 14.
 Current motor, Alternating-. V. A. Fynn. Nos. 1,406,366-7; Feb. 14.
 Curtain pole. H. R. Rohr. No. 1,406,685; Feb. 14.
 Curtain support, Window-. A. B. Wendel. No. 1,406,311; Feb. 14.
 Cutter: See—
 Miter-curve cutter.
 Cutter and planter, Potato. J. E. Paulson. No. 1,406,679; Feb. 14.
 Cutting machine. C. E. King. No. 1,406,459; Feb. 14.
 Cyanates, Producing alkali-metal. O. Liebknecht. No. 1,406,662; Feb. 14.
 Cylinder lock. A. Mantanfel. No. 1,406,574; Feb. 14.
 Cylinders, Device for boring engine. L. V. Johnson. No. 1,406,871; Feb. 14.
 Dental impression tray. V. M. Robinson. No. 1,406,492; Feb. 14.
 Dentists boring machines, Angle plate and handle for. P. Kühn. No. 1,406,263; Feb. 14.
 Desk pad. G. E. Fox. No. 1,406,838; Feb. 14.
 Desks and making and finishing the same, Tops for. A. McLeod. No. 1,406,270; Feb. 14.
 Detector: See—
 Vibration detector.
 Differential. P. A. Custer. No. 1,406,446; Feb. 14.
 Direction indicator. D. W. Scott. No. 1,406,501; Feb. 14.
 Dish-drying rack. G. A. Stoffel. No. 1,406,773; Feb. 14.
 Dish-washing machine. W. J. Lynch. No. 1,406,465; Feb. 14.
 Dish-washing machine. S. F. Wilson. No. 1,406,599; Feb. 14.
 Dispensing device. L. W. Tiffany. No. 1,406,781; Feb. 14.
 Display stand. E. C. Lawrence. No. 1,406,464; Feb. 14.
 Display stand. E. E. Randall. No. 1,406,893; Feb. 14.
 Door. A. E. Norris and J. Ecks. No. 1,406,214; Feb. 14.
 Door-closing mechanism, Bucket-. F. E. Arndt. No. 1,406,327; Feb. 14.
 Doors, Combined support and guide for sliding. A. O. Roberts, J. J. O'Keefe, and A. F. Burby. No. 1,406,898; Feb. 14.
 Draft plant, Induced-. F. Finsterbusch. No. 1,406,952; Feb. 14.
 Drawing instrument. S. Hoffman, J. Schwartz, and I. Holden. No. 1,406,863; Feb. 14.
 Dress, Apron. M. E. Hodge. No. 1,406,862; Feb. 14.
 Dress protector. L. Rathsmill. No. 1,406,225; Feb. 14.
 Drier. F. I. Rutledge. No. 1,406,496; Feb. 14.
 Drill bit. W. L. Childs. No. 1,406,931; Feb. 14.
 Drills, Handle for stope. F. M. Slater. No. 1,406,767; Feb. 14.
 Driving mechanism. G. E. White. No. 1,406,313; Feb. 14.
 Driving mechanism, Friction. J. R. White. No. 1,406,792; Feb. 14.
 Dump bailer. R. C. Baker. No. 1,406,329; Feb. 14.
 Ear stopper. B. A. Stair. No. 1,406,425; Feb. 14.
 Educational board. V. O. Watkins. No. 1,406,592; Feb. 14.
 Egg beater. U. G. Teetsell. No. 1,406,778; Feb. 14.
 Egg holder. A. Polo and J. Anelli. No. 1,406,222; Feb. 14.
 Electric circuit control, System of. J. B. Heard. No. 1,406,731; Feb. 14.
 Electric cut-out box. J. C. Regan. No. 1,406,683; Feb. 14.
 Electric heater. N. Theofilos. No. 1,406,912; Feb. 14.
 Electric lights and other purposes, Holder for. P. J. Timberlake. No. 1,406,913; Feb. 14.
 Electric machines, Armature for dynamo-. N. R. Haas. No. 1,406,184; Feb. 14.

- Electric motor switch. W. G. Winter. No. 1,406,432; Feb. 14.
 Electric switch. W. A. Chryst. No. 1,406,171; Feb. 14.
 Electrical system. E. S. Lammers, Jr. No. 1,406,565; Feb. 14.
 Electric wax sealer. R. Boyll. No. 1,406,526; Feb. 14.
 Electrode. I. S. Crocker. No. 1,406,542; Feb. 14.
 Electrode holder. R. M. Keeney and P. J. Lonergan, Jr. No. 1,406,741; Feb. 14.
 Electrode and electrolytic battery. A. T. Stuart. No. 1,406,239; Feb. 14.
 Electrodes, Temperature-regulating means for filamentary. A. L. Atherton. No. 1,406,328; Feb. 14.
 Electro-magneto machine. H. A. Andresen. No. 1,406,806; Feb. 14.
 Elevator. *See—*
 Portable elevator.
 Elevator controlling device. C. F. Quick. No. 1,406,489; Feb. 14.
 Elevator-hatchway seal. F. Fehr. No. 1,406,951; Feb. 14.
 Elevator, Portable. H. S. Germond, Jr. No. 1,406,638; Feb. 14.
 Elevator, Portable. E. N. Hescocock and E. F. Smith. Nos. 1,406,860-1; Feb. 14.
 Embellishing surfaces, Agency for and method of. W. E. Choate. No. 1,406,538; Feb. 14.
 Emery wheels, Adjustable safety guard for. V. A. Virgilio. No. 1,406,914; Feb. 14.
 Emulsoids, Producing. E. E. Werner. No. 1,406,791; Feb. 14.
 Enameling wood or metal surfaces. J. A. Rymer. No. 1,406,498; Feb. 14.
 Engine. *See—*
 Internal-combustion engine. Steam engine.
 Rotary steam engine.
 Engine. J. S. Barner. No. 1,406,330; Feb. 14.
 Engine. R. F. Metcalfe. No. 1,406,205; Feb. 14.
 Engine. A. Reppe. No. 1,406,896; Feb. 14.
 Engines, Air-cleaning device for internal-combustion. A. T. Sturt and C. J. Whitacre. No. 1,406,299; Feb. 14.
 Engines, Air-cleaning device for internal-combustion. A. W. L. Rice. No. 1,406,416; Feb. 14.
 Engines, Combined air pump and starter motor mechanism for internal-combustion. L. Wygodsky. No. 1,406,319; Feb. 14.
 Engines, Fuel-controlling mechanism for internal-combustion. M. A. Varney. No. 1,406,591; Feb. 14.
 Engines, Fuel-supply mechanism for internal-combustion. E. V. L. and E. A. Wilson. No. 1,406,598; Feb. 14.
 Engines, Oil heater for. C. E. Shipp. No. 1,406,766; Feb. 14.
 Engine-starting system. W. A. Chryst. No. 1,406,172; Feb. 14.
 Envelope, Safety. W. F. Hammel. No. 1,406,456; Feb. 14.
 Excavator, Cableway. W. H. Crawford. No. 1,406,725; Feb. 14.
 Excavators, Cleaning device for. G. H. Greimann. No. 1,406,849; Feb. 14.
 Extractor. *See—*
 Self-anchoring stump extractor.
 Fabric. *See—*
 Wire-link fabric.
 Fabric-fastening device. S. Jasgur. No. 1,406,390; Feb. 14.
 Feeder, Hog. E. A. Klump. (Reissue.) No. 15,283; Feb. 14.
 Fence protector. W. L. Butcher. No. 1,406,929; Feb. 14.
 Fender. *See—*
 Automobile fender.
 Fertilizer, Ammonium-nitrate. B. F. Halvorsen. No. 1,406,455; Feb. 14.
 Fiber board. J. C. Peabody. No. 1,406,410; Feb. 14.
 Filing apparatus. L. C. Ridge. No. 1,406,227; Feb. 14.
 Film cleaning and polishing apparatus. E. Schneider. No. 1,406,690; Feb. 14.
 Filters, Cleansing. C. A. Brown. No. 1,406,340; Feb. 14.
 Fire boxes, Fire pan construction for oil-burning. R. J. Hummelright and A. H. Willett. No. 1,406,732; Feb. 14.
 Fishing chair. J. C. McCoy. No. 1,406,571; Feb. 14.
 Fishing rod. J. Madej. No. 1,406,268; Feb. 14.
 Flange wrench. A. L. Dennis. No. 1,406,824; Feb. 14.
 Flour, Producing wood. J. J. Cunningham. No. 1,406,938; Feb. 14.
 Fluid-pressure gauge. J. Cutts and W. C. Gillott. No. 1,406,616; Feb. 14.
 Flying machine. O. R. Cassell. No. 1,406,344; Feb. 14.
 Flying machine. H. D. Eastly. No. 1,406,545; Feb. 14.
 Folding machine. P. R. Glass. No. 1,406,371; Feb. 14.
 Food products, Apparatus for making. T. Charlton. No. 1,406,170; Feb. 14.
 Forges, Gas burner for well-drilling. E. A. Clark. No. 1,406,346; Feb. 14.
 Forming machine. W. E. Wade and T. H. Seely. No. 1,406,307; Feb. 14.
 Fruit juices, Clarifying. A. Gusmer. No. 1,406,554; Feb. 14.
 Fuel mixer. F. N. Livingston. No. 1,406,398; Feb. 14.
 Furnace. *See—*
 Annealing furnace. Gas furnace.
 Furnace-casing top. E. Kreutzberg and F. Moulton. No. 1,406,875; Feb. 14.
 Furnaces, Draft regulator for. N. W. Van Husen. No. 1,406,305; Feb. 14.
 Fuse. H. H. Baker. No. 1,406,434; Feb. 14.
 Game. R. Sewell. No. 1,406,691; Feb. 14.
 Game apparatus. C. J. H. Miller. No. 1,406,473; Feb. 14.
 Game, Child's racing. I. Paris. No. 1,406,484; Feb. 14.
 Garment. M. E. Menaker. No. 1,406,203; Feb. 14.
 Garment, Adjustable bust-confining. V. A. Smith. No. 1,406,692; Feb. 14.
 Garment, Convertible. F. H. Schwartz. No. 1,406,764; Feb. 14.
 Garment hanger and protector, Combined collapsible. G. Lipp. No. 1,406,879; Feb. 14.
 Garment supporter. J. P. Wilson. No. 1,406,796; Feb. 14.
 Gas and oil burner, Combination. W. W. Stevenson and O. H. Bathgate. No. 1,406,238; Feb. 14.
 Gas burner. W. M. Britten. No. 1,406,925; Feb. 14.
 Gas furnace. J. Zander. No. 1,406,713; Feb. 14.
 Gas governor. C. E. Barnes. No. 1,406,817; Feb. 14.
 Gas heater. W. D. Antrim. No. 1,406,523; Feb. 14.
 Gasoline gauge. R. F. MacMichael. No. 1,406,201; Feb. 14.
 Gasoline, etc., Indicator for. S. M. Wessoleck. No. 1,406,312; Feb. 14.
 Gas producer. J. R. George. No. 1,406,637; Feb. 14.
 Gauge. *See—*
 Fluid-pressure gauge. Pressure gauge.
 Gasoline gauge.
 Gauging machine, Roll. B. M. Kent. No. 1,406,193; Feb. 14.
 Gear casings, Supporting mechanism for. F. A. Whitten. No. 1,406,316; Feb. 14.
 Gear-shift-lever lock. E. W. Seaholm. No. 1,406,231; Feb. 14.
 Gearing, Differential clutch. G. W. Myers. No. 1,406,211; Feb. 14.
 Gearing, Friction. F. Ljungström. No. 1,406,665; Feb. 14.
 Gearing, Variable-leverage. F. V. Elbertz. No. 1,406,627; Feb. 14.
 Gin, Pneumatic disk. J. C. Garner. No. 1,406,635; Feb. 14.
 Gin, Pneumatic roller. J. C. Garner. No. 1,406,634; Feb. 14.
 Glass-working machines, Ware steadier for. J. W. Lynch. No. 1,406,400; Feb. 14.
 Grader and packer, Road. E. Hayford. No. 1,406,558; Feb. 14.
 Grader blade. A. Anderson and C. O. Wold. No. 1,406,325; Feb. 14.
 Grading machine. W. E. McCain. No. 1,406,743; Feb. 14.
 Grain, Bulk storage and handling of. W. H. Bull. No. 1,406,928; Feb. 14.
 Graphophones, Automatic stop and repeating means for. C. C. Brooks and E. O. Klem. Nos. 1,406,604-8; Feb. 14.
 Grapple. R. H. Varicle. No. 1,406,704; Feb. 14.
 Gravity carrier. W. H. Riedel. No. 1,406,228; Feb. 14.
 Gun, Dry-spray. W. H. Rose. Nos. 1,406,903-4; Feb. 14.
 Gun, Machine. J. C. R. McRudden. No. 1,406,404; Feb. 14.
 Gun, Powder. J. L. Skeldon. No. 1,406,233; Feb. 14.
 Gun rest, Belt. A. W. Dumas. No. 1,406,827; Feb. 14.
 Gun sight. L. C. Doar. No. 1,406,620; Feb. 14.
 Guns, Breech closure for. T. H. Eickhoff. No. 1,406,546; Feb. 14.
 Guns, Wire-cutting device for. M. Hrab. No. 1,406,387; Feb. 14.
 Hair curler. E. J. Guenzel. No. 1,406,375; Feb. 14.
 Hair curler. O. Scheib. No. 1,406,586; Feb. 14.
 Hair-curling device. J. Goldsmith, Jr. No. 1,406,639; Feb. 14.
 Hairpin separating and measuring machine. H. P. Smith. No. 1,406,587; Feb. 14.
 Flame and trace connection. F. F. Hodges. No. 1,406,735; Feb. 14.
 Hammock and bedstead, Convertible porch. H. L. Hoy. No. 1,406,737; Feb. 14.
 Handle. *See—*
 Brush handle.
 Hanger. *See—*
 Joist hanger.
 Harp. M. A. Clark. No. 1,406,347; Feb. 14.
 Harness, Rein spreader and guide for. S. W. Reynolds. No. 1,406,415; Feb. 14.
 Hat guard. J. J. Donlin. No. 1,406,622; Feb. 14.
 Hay loader. O. H. Eiler. No. 1,406,946; Feb. 14.
 Hay rake. E. F. Stansberry. No. 1,406,506; Feb. 14.
 Headlight. F. W. Ingols. No. 1,406,648; Feb. 14.
 Heater. *See—*
 Electric heater. Flexible water heater.
 Electric water heater. Gas heater.
 Heater. J. L. Robinson. No. 1,406,900; Feb. 14.
 Heating apparatus, Electrical. H. Geisenhoner. Nos. 1,406,550-1; Feb. 14.
 Heating appliance, Electrical. L. Sykes. No. 1,406,776; Feb. 14.
 Heating device. G. Menger. No. 1,406,204; Feb. 14.
 Heating system, Steam or vapor. W. S. Haven. No. 1,406,556; Feb. 14.
 Heel-covering trimming apparatus. P. R. Glass. No. 1,406,370; Feb. 14.
 Hitch device, Universal. A. G. and A. Ronning. No. 1,406,418; Feb. 14.
 Hog-farrowing guard rail. P. W. Stanke. (Reissue.) No. 15,287; Feb. 14.
 Hook. *See—*
 Snap hook.
 Hose clamp. C. S. and C. A. Cook. No. 1,406,443; Feb. 14.

- Hose clamp. E. V. Szyperski. No. 1,406,242; Feb. 14.
House: *See*—
Sheet-metal house.
Hydrocarbon burner. J. C. Hurley. No. 1,406,739; Feb. 14.
Hydrometer. B. L. Campbell. No. 1,406,342; Feb. 14.
Ice-cracking box. J. Szigeti. No. 1,406,589; Feb. 14.
Ice-making apparatus. A. J. Bentley. Nos. 1,406,167-8; Feb. 14.
Ignition plugs, Spark intensifier for. H. E. Murray. No. 1,406,480; Feb. 14.
Ignition system. J. H. Hunt. No. 1,406,190; Feb. 14.
Implement-raising and depth-regulating mechanism. E. Moss. No. 1,406,273; Feb. 14.
Incubator, Automatic electric. W. J. Anderson. No. 1,406,164; Feb. 14.
Inclosure, Sectional. G. C. Kennedy. No. 1,406,192; Feb. 14.
Indicating device. R. F. MacMichael. No. 1,406,200; Feb. 14.
Indicator: *See*—
Direction indicator. Thermostatic indicator.
Electric liquid-level indicator. Water-level indicator.
Inks, Solvent for printer's. H. G. Ghegan. No. 1,406,183; Feb. 14.
Insulating and brine and waterproof material, Making. J. P. Elliott. No. 1,406,174; Feb. 14.
Insulation, Pliers for cutting. H. Perlman. No. 1,406,486; Feb. 14.
Insulator, Self-cooling strain. L. Steinberger. Nos. 1,406,696-7; Feb. 14.
Insulator, Strain. W. T. Goddard. No. 1,406,953; Feb. 14.
Insulator, Strain. L. Steinberger. No. 1,406,698; Feb. 14.
Internal-combustion engine. J. C. Fredricksen. No. 1,406,839; Feb. 14.
Internal-combustion engine. G. W. Jessup, Jr. No. 1,406,391; Feb. 14.
Internal-combustion engine. J. Lemaire. No. 1,406,877; Feb. 14.
Internal-combustion engine. H. C. Michelsen. No. 1,406,271; Feb. 14.
Internal-combustion engine. M. Nuta. No. 1,406,886; Feb. 14.
Ironers, Feeding device for flat-work. D. D. Canfield. No. 1,406,823; Feb. 14.
Ironing board. J. L. Wilcox. No. 1,406,515; Feb. 14.
Ironing table. E. R. Houston. No. 1,406,386; Feb. 14.
Jack. H. Lorenzen. No. 1,406,881; Feb. 14.
Jewel, Artificial. R. Shand. No. 1,406,502; Feb. 14.
Jewelry, Snap for. C. A. Ford. No. 1,406,179; Feb. 14.
Joint: *See*—
Rail joint. Universal joint.
Joints, Forming hinge. N. B. Douglass. No. 1,406,727; Feb. 14.
Joist hanger. W. L. Caldwell. No. 1,406,723; Feb. 14.
Journal boxes, Dust guard for. F. S. Barks. No. 1,406,816; Feb. 14.
Journal, Roller-bearing. E. Posson. No. 1,406,279; Feb. 14.
Kitchenette, Portable. F. B. Purdie. No. 1,406,758; Feb. 14.
Knitting machine. H. T. Ballard. No. 1,406,253; Feb. 14.
Knitting machine, Circular. G. S. Weinerth. No. 1,406,514; Feb. 14.
Knitting machines, Needle cylinder for. H. T. Ballard. No. 1,406,254; Feb. 14.
Label. J. P. Connell. No. 1,406,541; Feb. 14.
Labeling machine, Bread-. J. V. Sultzman. No. 1,406,588; Feb. 14.
Lacing tool. W. P. Whitley. No. 1,406,793; Feb. 14.
Ladle-nozzle-protecting device. J. E. McCullough. No. 1,406,746; Feb. 14.
Lamp, Flash. L. M. Evans and G. W. Steinmann. No. 1,406,452; Feb. 14.
Lamp, Flash. L. Z. Fernández. No. 1,406,832; Feb. 14.
Lamp, Incandescent electric. J. A. Heany. No. 1,406,645; Feb. 14.
Lamp, Miner's electric safety. A. P. Ford. No. 1,406,359; Feb. 14.
Lamp support. J. Morgan. No. 1,406,751; Feb. 14.
Lanterns, Slide for projecting. F. W. Schmidt. No. 1,406,420; Feb. 14.
Lasts, Machine for shaping uppers to. B. Jorgensen. No. 1,406,260; Feb. 14.
Lath board and making same. W. D. Hicks. No. 1,406,188; Feb. 14.
Lathe-bed construction. A. Weiss. No. 1,406,789; Feb. 14.
Laundries, Handling groups of flat pieces in. W. S. and J. L. Williams. No. 1,406,516; Feb. 14.
Lens. B. D. Tillyer. No. 1,406,782; Feb. 14.
Lens-cutting machine. O. Wittel. No. 1,406,798; Feb. 14.
Lens-grinding apparatus. G. P. Miller. No. 1,406,407; Feb. 14.
Lenses, Means for polishing multifocal. L. W. Bugbee. No. 1,406,927; Feb. 14.
Light: *See*—
Automobile tail light.
Light-projection display. R. Lovstrom. No. 1,406,663; Feb. 14.
Lines, Instrument for producing. A. E. M. Van der Moersch. No. 1,406,785; Feb. 14.
Liquid-fuel-burning apparatus. I. F. Zalewski. No. 1,406,520; Feb. 14.
Liquid fuel, Reservoir for. A. Macbeth. No. 1,406,667; Feb. 14.
Liquid-level indicator, Electric. W. S. La Londe. No. 1,406,196; Feb. 14.
Lithographic-ink composition. F. C. Fitzgerald. No. 1,406,837; Feb. 14.
Lock: *See*—
Automobile ignition lock. Gear-shift-lever lock.
Automobile lock. Nut and bolt lock.
Combination lock. Nut-lock.
Cylinder lock. Switch lock.
Lock. A. Block. No. 1,406,437; Feb. 14.
Lock. A. Mantanfel. No. 1,406,573; Feb. 14.
Locking mechanism. J. F. Schaefer. No. 1,406,289; Feb. 14.
Logs, etc. Hoisting apparatus for raising sunken. A. J. Zipp. No. 1,406,714; Feb. 14.
Long-stroke vertical-type press. W. R. Beatty. No. 1,406,334; Feb. 14.
Looms, Filling-grate-clearing means for. J. M. Freeman. No. 1,406,840; Feb. 14.
Looms, Motor drive for. D. C. Leonard. No. 1,406,878; Feb. 14.
Looms, Shuttle guard for. W. G. Fisher. No. 1,406,835; Feb. 14.
Loose-leaf or card-index device. L. C. Ridge. No. 1,406,226; Feb. 14.
Lubricating system. R. G. Goldman. No. 1,406,847; Feb. 14.
Lubricator. R. H. Yale. No. 1,406,320; Feb. 14.
Luggage and baggage carrying apparatus. B. H. Christlieb. No. 1,406,539; Feb. 14.
Lug strap. R. T. Powers. No. 1,406,487; Feb. 14.
Macaroni-trimming machine. F. I. Rutledge. No. 1,406,497; Feb. 14.
Manifold, Combined intake and exhaust. C. R. Short. No. 1,406,232; Feb. 14.
Marking articles, Machine for. W. E. Choate. No. 1,406,537; Feb. 14.
Match compositions and products thereof, Treating. W. A. Fairburn. No. 1,406,176; Feb. 14.
Matches, Side-leg construction for. L. T. Medholdt. No. 1,406,470; Feb. 14.
Mats, Lock and shield for foot. F. B. Helies. No. 1,406,186; Feb. 14.
Measuring devices, Detachable clip for. J. Straka. No. 1,406,774; Feb. 14.
Measuring instrument, Electrical. B. H. Smith. No. 1,406,235; Feb. 14.
Meat, Preservation of. G. Schnabel. No. 1,406,513; Feb. 14.
Medical appliance. C. B. Hughes. No. 1,406,738; Feb. 14.
Mesograph. C. M. Swingle. No. 1,406,775; Feb. 14.
Metal machine for bending. J. O. Holmberg. No. 1,406,384; Feb. 14.
Metals, Pot for use in annealing and carbonizing. J. G. McCarren. No. 1,406,744; Feb. 14.
Meter. D. H. Rathbone. No. 1,406,682; Feb. 14.
Milk and other food products in a sterile atmosphere, Process of and means for putting up powdered. W. P. Heath and R. M. Washburn. No. 1,406,380; Feb. 14.
Milk and other food products, Manufacturing powdered. W. P. Heath and R. M. Washburn. No. 1,406,381; Feb. 14.
Milling machine. G. Horn. No. 1,406,866; Feb. 14.
Milling machines, Attachment for. B. F. Johnson. No. 1,406,870; Feb. 14.
Minerals, Apparatus for leaching. C. Bouillon. No. 1,406,525; Feb. 14.
Mines, Track-cleaning machine for. J. G. Bradley and W. F. Metz. No. 1,406,527; Feb. 14.
Miter-curve cutter. A. F. Nathan. No. 1,406,481; Feb. 14.
Mixer: *See*—
Fuel mixer.
Mixer. C. W. Hottmann, Jr. No. 1,406,457; Feb. 14.
Mixing and kneading machine and process. A. P. Lohmann. No. 1,406,666; Feb. 14.
Mold: *See*—
Multiple brick mold.
Molds, Separating material for. J. B. Jones. No. 1,406,651; Feb. 14.
Molding. J. A. Heany. No. 1,406,730; Feb. 14.
Mop. H. T. Tucker. No. 1,406,248; Feb. 14.
Mop, Floor. C. A. Channell. No. 1,406,610; Feb. 14.
Mop head. E. H. Tate. No. 1,406,244; Feb. 14.
Motor: *See*—
Alternating-current motor. Spring motor.
Motor. M. Victorsohn. No. 1,406,250; Feb. 14.
Motor-control system. E. M. Bouton. No. 1,406,255; Feb. 14.
Motor-control system. A. L. Harvey. Nos. 1,406,376-7; Feb. 14.
Motor-control system. C. H. Hodgkins. No. 1,406,383; Feb. 14.
Motors, Governor for water-driven. H. S. Crispin. No. 1,406,936; Feb. 14.
Motors, Secondary winding for asynchronous. A. Lindström. No. 1,406,566; Feb. 14.
Movements at a distance, Electric apparatus for indicating and repeating. E. Schneider. No. 1,406,500; Feb. 14.
Mowers, Machine for sharpening lawn. A. C. Stippich. No. 1,406,298; Feb. 14.

- Music holder, Sheet-. R. G. Johnson. No. 1,406,872; Feb. 14.
- Music rolls, Braking means for perforated. W. A. Watson and W. Eustis. No. 1,406,430; Feb. 14.
- Nitric fumes, Recovering waste. W. de Svesbnikoff. No. 1,406,353; Feb. 14.
- Nitrogen and carbon dioxide that are deficient in oxygen, Production of gas mixtures of. J. Muchka. No. 1,406,479; Feb. 14.
- Nut and bolt lock. J. B. Whittaker. No. 1,406,315; Feb. 14.
- Nut and bolt, Quick-releasable. W. S. Alexander. No. 1,406,804; Feb. 14.
- Nut and washer. F. H. Smith. No. 1,406,423; Feb. 14.
- Nut lock. J. H. Ballentine. No. 1,406,956; Feb. 14.
- Nut. Lock. J. H. Carr and M. A. Powers. No. 1,406,169; Feb. 14.
- Oar, Bow-facing. W. H. Clay. No. 1,406,932; Feb. 14.
- Oil burner. W. R. Ray. No. 1,406,413; Feb. 14.
- Oil-well screen. J. A. Dobson. No. 1,406,825; Feb. 14.
- Ore treatment. E. W. Wescott. No. 1,406,595; Feb. 14.
- Ores, Treating. E. W. Wescott. No. 1,406,597; Feb. 14.
- Oven, Electric. A. E. Grapp. No. 1,406,372; Feb. 14.
- Packaging machine. C. Beckmann. No. 1,406,165; Feb. 14.
- Packing and boxing machine. S. Palmowski. No. 1,406,219; Feb. 14.
- Pad: See—
Desk pad.
- Padlock. K. Lochina. No. 1,406,567; Feb. 14.
- Pail. C. P. Rockwood. No. 1,406,284; Feb. 14.
- Paint and varnish remover. C. Ellis. No. 1,406,175; Feb. 14.
- Paper box. F. J. Wiesman. No. 1,406,707; Feb. 14.
- Paper-making machines, Felt-cleaning device for. E. D. Bennett. No. 1,406,821; Feb. 14.
- Paper, Method of and apparatus for separating metal from. M. K. Weill and M. L. Cornell. No. 1,406,252; Feb. 14.
- Paper, Removing printer's ink from. A. F. Allen, A. F. McCoy, and R. O. Sternberger. No. 1,406,322; Feb. 14.
- Parachute. A. Ackermann. No. 1,406,521; Feb. 14.
- Partitions, floors, etc., Composition of matter for deaden-
ing. H. B. Davis. No. 1,406,618; Feb. 14.
- Patch-applying mechanism. H. Levine. No. 1,406,661; Feb. 14.
- Pawl and ratchet device. M. Nystrom. No. 1,406,580; Feb. 14.
- Pen, Writing. H. Block. No. 1,406,438; Feb. 14.
- Pencil. W. C. Fowler. No. 1,406,362; Feb. 14.
- Pencil. E. J. Hoffman. No. 1,406,736; Feb. 14.
- Pencil. F. L. Sawyer. No. 1,406,585; Feb. 14.
- Percolator, Coffee. L. S. Baker. No. 1,406,814; Feb. 14.
- Phonograph. L. P. Valiquet. No. 1,406,249; Feb. 14.
- Phonograph. L. R. Wolff. No. 1,406,711; Feb. 14.
- Phonographs, Reproducer for. J. A. Brown. No. 1,406,258; Feb. 14.
- Photographic receiving apparatus. C. A. Culver. No. 1,406,445; Feb. 14.
- Piano-action bracket. O. Higel. No. 1,406,382; Feb. 14.
- Piano and phonograph, Combined. M. Clark. No. 1,406,441; Feb. 14.
- Picker: See—
Berry picker.
- Picker stick. W. F. Davitt. No. 1,406,544; Feb. 14.
- Picture apparatus, motion-. O. Antonelli. No. 1,406,808; Feb. 14.
- Picture apparatus, Safety shutter for moving-. B. L. Young. No. 1,406,802; Feb. 14.
- Picture machines, Automatic stop for moving-. M. W. Pauley. No. 1,406,889; Feb. 14.
- Pipe coupling, Flexible. F. W. Martin. No. 1,406,671; Feb. 14.
- Pipe fittings and analogous articles, Manufacturing. K. A. Soderstrom. No. 1,406,693; Feb. 14.
- Pipes of plastic material, Molding. T. E. Murray. No. 1,406,578; Feb. 14.
- Pipes, Tubular molding core for. T. E. Murray. No. 1,406,577; Feb. 14.
- Piston. A. H. and N. E. Richards. No. 1,406,684; Feb. 14.
- Piston, piston valve, or the like. P. Campbell and W. J. Banks. No. 1,406,536; Feb. 14.
- Piston ring. J. F. Morgal. No. 1,406,475; Feb. 14.
- Piston ring. J. L. Schoen. No. 1,406,763; Feb. 14.
- Piston-ring tool. E. J. Rogers. No. 1,406,686; Feb. 14.
- Piston rods, Apparatus for assembling. E. Schneider. No. 1,406,229; Feb. 14.
- Planers and molders, Cutter head spindle for. M. B. Gathman. No. 1,406,843; Feb. 14.
- Plow, Reversible hillside turning. S. Lutes. No. 1,406,569; Feb. 14.
- Pocket clip. H. S. Hasselquist. No. 1,406,378; Feb. 14.
- Powder divider. L. S. Simmons. No. 1,406,504; Feb. 14.
- Powder puff. E. J. Boyler. No. 1,406,439; Feb. 14.
- Power-transmitting apparatus. G. A. Crane. No. 1,406,444; Feb. 14.
- Presser foot, Electrically-heated. H. E. Rudolph. No. 1,406,760; Feb. 14.
- Pressure gauge. M. C. Schweinert and H. P. Kraft. No. 1,406,230; Feb. 14.
- Pressure-operated switch. A. B. Cobb. No. 1,406,613; Feb. 14.
- Printing element holder. W. S. Warnock. No. 1,406,787; Feb. 14.
- Printing machine, Cloth-. F. R. Evans. No. 1,406,948; Feb. 14.
- Prints, Method of and apparatus for making multicolor. O. R. Schultz and O. Kirsch. (Reissue.) No. 15,286; Feb. 14.
- Propeller. L. T. Frederick. No. 1,406,364; Feb. 14.
- Propeller and making same. L. T. Frederick. No. 1,406,365; Feb. 14.
- Propeller-hub construction. A. F. Zahm. No. 1,406,600; Feb. 14.
- Protective device. R. E. Ottman. No. 1,406,681; Feb. 14.
- Pulley-belt fastener. L. G. Falcon. No. 1,406,831; Feb. 14.
- Pump. W. M. Fleming and N. E. Brigham. No. 1,406,178; Feb. 14.
- Pump. P. S. Herring. No. 1,406,859; Feb. 14.
- Pump. J. B. Jensen. No. 1,406,868; Feb. 14.
- Pump, Centrifugal. A. C. Stewart. No. 1,406,297; Feb. 14.
- Pump for stereotyping and means for supplying metal thereto. H. A. W. Wood. No. 1,406,518; Feb. 14.
- Pump valve. W. J. Nott. No. 1,406,885; Feb. 14.
- Punch presses, Automatic feed mechanism for. H. C. H. Walsh. No. 1,406,310; Feb. 14.
- Rack: See—
Dish-drying rack.
- Radiator. A. Bretagne. No. 1,406,256; Feb. 14.
- Radio receiving system. L. Cohen. No. 1,406,442; Feb. 14.
- Radiotherapeutical shield. M. A. Pugh. No. 1,406,488; Feb. 14.
- Radium applicator. C. H. Viol. No. 1,406,509; Feb. 14.
- Rail anchor. A. L. Stanford. No. 1,406,295; Feb. 14.
- Rail anchor. J. F. Westerwest. No. 1,406,594; Feb. 14.
- Rail brace. P. T. Jones. No. 1,406,652; Feb. 14.
- Rail joint. J. J. Buff. No. 1,406,533; Feb. 14.
- Rail joints, Means for balancing stresses in. B. G. Braine. No. 1,406,528; Feb. 14.
- Railway construction. A. K. Orzechowski. No. 1,406,887; Feb. 14.
- Railway crossing. E. N. Strom and A. E. Blomstrand. No. 1,406,909; Feb. 14.
- Rake: See—
Hay rake.
- Ratchet wrench. S. Matthey. No. 1,406,467; Feb. 14.
- Record shipper, Disk-. T. D. Currie. No. 1,406,939; Feb. 14.
- Records of data, Means for creating. A. L. Davenport. No. 1,406,941; Feb. 14.
- Recorder. J. N. Tuttle. No. 1,406,507; Feb. 14.
- Reel: See—
Clothesline reel.
- Refrigerating systems, Sulphur dioxide in artificial. F. W. Robison. No. 1,406,582; Feb. 14.
- Refrigerator, Evaporative. R. J. Gaskin and H. M. Tarras. No. 1,406,842; Feb. 14.
- Release, Automatic. T. F. Rataiczak. No. 1,406,491; Feb. 14.
- Repouring attachment. J. P. Quinn. No. 1,406,892; Feb. 14.
- Resilient wheel. H. T. Evans. No. 1,406,949; Feb. 14.
- Resistor. H. H. Johnston. No. 1,406,393; Feb. 14.
- Resorcinol, Manufacture of. H. McCormack. No. 1,406,745; Feb. 14.
- Rheostat. A. W. Brice. No. 1,406,257; Feb. 14.
- Riddle. E. O. Stamm. No. 1,406,237; Feb. 14.
- Rim tool and long jack, Combination split-. H. B. Tobias. No. 1,406,302; Feb. 14.
- Rims, Inner-tube protector for clincher. M. W. Rogers. No. 1,406,687; Feb. 14.
- Rims, Tool for operating split wheel. J. S. Porter. No. 1,406,680; Feb. 14.
- Ring: See—
Piston ring.
- Roads, Braking device for portable logging. D. A. Wilson. No. 1,406,709; Feb. 14.
- Robbers, Apparatus for trapping bank. F. Weinmann. No. 1,406,788; Feb. 14.
- Rock drills, Air-feed control for. W. A. Smith. Nos. 1,406,906-8; Feb. 14.
- Rod: See—
Fishing rod.
- Roller: See—
Shade roller.
- Roof flange. R. M. McGraw. No. 1,406,469; Feb. 14.
- Rubber-boot repairer. E. C. Julian. No. 1,406,261; Feb. 14.
- Rubber-coated textiles, Machine for the production of. A. Boecler. No. 1,406,919; Feb. 14.
- Rubber-covered tank for containing inflammable liquids. S. C. Mote. No. 1,406,478; Feb. 14.
- Rubber soles, Apparatus for producing. G. Ferguson. No. 1,406,358; Feb. 14.
- Safety apparatus. A. Duran. No. 1,406,625; Feb. 14.
- Sanding device, Heel-breast-shank-. G. R. Ellis. No. 1,406,357; Feb. 14.
- Sandpapering machine. C. G. Norman. No. 1,406,275; Feb. 14.
- Sand-washing device. E. Shaw. No. 1,406,291; Feb. 14.
- Sardines, Minced. J. Tweeddale and F. B. McCrosky. No. 1,406,590; Feb. 14.
- Sash attachment, Window-. W. E. Peters. No. 1,406,411; Feb. 14.
- Sash weight. A. H. Bailey. No. 1,406,917; Feb. 14.
- Saw-filing machine. O. J. Westerdahl. No. 1,406,512; Feb. 14.

Saw, Hack. J. Siddon. No. 1,406,422; Feb. 14.
 Screen: *See*—
 Oil-well screen.
 Screw-cutting head. E. Coenen. No. 1,406,540; Feb. 14.
 Sealing machine, Duplex. H. E. Townsend. No. 1,406,703; Feb. 14.
 Searchlight. H. G. Fitz Gerald. No. 1,406,548; Feb. 14.
 Seed cleaner. J. C. Garner. No. 1,406,636; Feb. 14.
 Separating and classifying apparatus. L. H. Falley. No. 1,406,177; Feb. 14.
 Separator: *See*—
 Cotton cleaner and separator.
 Settling tank. C. Allen. No. 1,406,323; Feb. 14.
 Sewerage disposal tank. W. P. Hooker. No. 1,406,385; Feb. 14.
 Sewing machine. J. Fossa. No. 1,406,180; Feb. 14.
 Sewing machine. J. Kiewicz. No. 1,406,742; Feb. 14.
 Sewing machine. A. E. Lindner. No. 1,406,266; Feb. 14.
 Sewing machine, Wax-thread. W. C. Meyer. No. 1,406,206; Feb. 14.
 Sewing machines, Driving mechanism for. A. B. Cohn. No. 1,406,933; Feb. 14.
 Shade roller. J. E. Cowell. No. 1,406,934; Feb. 14.
 Shaft coupling. E. D. Tubbs. No. 1,406,247; Feb. 14.
 Sharpener, Disk. Z. M. Bain. No. 1,406,716; Feb. 14.
 Sheave block. W. Houghton. No. 1,406,560; Feb. 14.
 Sheet-loading device. R. A. Knight. No. 1,406,656; Feb. 14.
 Sheet-metal house. C. D. Pruden. No. 1,406,757; Feb. 14.
 Sheet timing and transferring mechanism, Two-path. F. R. Beluche. No. 1,406,603; Feb. 14.
 Ship. F. P. Leparmetier. No. 1,406,659; Feb. 14.
 Ship, Detecting the course of a. H. A. Orr. No. 1,406,218; Feb. 14.
 Ship's boat-lowering mechanism and other purposes, Winch for. J. H. R. Mace. No. 1,406,570; Feb. 14.
 Shock absorber, Spring. C. A. and V. B. Wiberg. No. 1,406,706; Feb. 14.
 Shoe and boot tree, Adjustable. E. Novitzky. No. 1,406,276; Feb. 14.
 Shoe upper and finishing the edges thereof. F. W. Merrick. No. 1,406,673; Feb. 14.
 Shoes, Detachable sole for. P. G. Knizek. No. 1,406,657; Feb. 14.
 Shoes, Making. M. Brock. No. 1,406,337; Feb. 14.
 Shoes, Making. C. F. Pym. No. 1,406,280; Feb. 14.
 Shoulder brace. R. A. Williams and A. J. Wagner. No. 1,406,795; Feb. 14.
 Shower-bath chair. H. E. Thibadore. No. 1,406,779; Feb. 14.
 Shutter slit. C. C. Tomkinson. No. 1,406,303; Feb. 14.
 Sign for roadsides. H. J. Arnold. No. 1,406,916; Feb. 14.
 Sign, Illuminated. C. B. Ehnborn. No. 1,406,626; Feb. 14.
 Sign, Illuminated. W. F. Herterich and W. G. Neubeck. No. 1,406,646; Feb. 14.
 Signal: *See*—
 Automobile signal. Auto signal.
 Signaling apparatus. W. M. Rolph. No. 1,406,494; Feb. 14.
 Silo. T. Dean. No. 1,406,942; Feb. 14.
 Sink, Extension. J. M. Stewart. No. 1,406,426; Feb. 14.
 Skate, Roller. E. E. Hardy. Nos. 1,406,641-4; Feb. 14.
 Slicing machine, Vegetable. V. Kessel. No. 1,406,194; Feb. 14.
 Snap hook. J. R. Turner. No. 1,406,911; Feb. 14.
 Snap hook and assembling same. F. E. Scharrow. No. 1,406,419; Feb. 14.
 Snowplow. L. W. Rittenhouse. No. 1,406,897; Feb. 14.
 Soap holder, Buoyant. A. L. Stewart. No. 1,406,699; Feb. 14.
 Socket, Wire-line. R. O. Slater. No. 1,406,768; Feb. 14.
 Sockets, Snap shade holder for electric. W. Jaeger. No. 1,406,649; Feb. 14.
 Soldering tool or implement. S. H. Dice. No. 1,406,621; Feb. 14.
 Sole or heel plate. A. Macaluso. No. 1,406,401; Feb. 14.
 Sounding device. J. P. Nikonow. No. 1,406,482; Feb. 14.
 Spark plug. J. M. Atwater. No. 1,406,810; Feb. 14.
 Splitting logs, Apparatus for. J. A. Gorrie. No. 1,406,552; Feb. 14.
 Spring clamp, Adjustable. J. R. Staudt. No. 1,406,695; Feb. 14.
 Spring motor. J. W. Jones. No. 1,406,650; Feb. 14.
 Stamp affixers, Counter-operating mechanism for. W. J. Balkwill. No. 1,406,435; Feb. 14.
 Stamp-affixing machine. H. J. Burr. Nos. 1,406,534-5; Feb. 14.
 Stand: *See*—
 Display stand.
 Steam engine. J. L. Tate. No. 1,406,700; Feb. 14.
 Steam engine, Rotary. G. Shields. No. 1,406,503; Feb. 14.
 Steam trap, Automatically-working. G. Massip. No. 1,406,747; Feb. 14.
 Sticker fastenings, Making. A. H. Swett. No. 1,406,300; Feb. 14.
 Stoker. C. F. Miller. No. 1,406,884; Feb. 14.
 Stoker. G. B. Thacher, Jr. No. 1,406,702; Feb. 14.
 Stoker, Mechanical. E. Lundgren. No. 1,406,199; Feb. 14.
 Stoker, Underfeed. C. F. Miller. No. 1,406,883; Feb. 14.
 Stone-working table. H. D. Morrill. No. 1,406,477; Feb. 14.

Stopper: *See*—
 Ear stopper.
 Stove, Clothes-boiling and canning. B. A. Wright. No. 1,406,318; Feb. 14.
 Stove, Gas. T. E. Wood. No. 1,406,800; Feb. 14.
 Stove or heater, Electric. W. S. Hadaway, Jr. No. 1,406,850; Feb. 14.
 Stove or furnace, Electric. W. S. Hadaway, Jr. No. 1,406,851; Feb. 14.
 Stoves, Burner for petroleum. S. G. Brogren and K. Karlsson. No. 1,406,338; Feb. 14.
 Strainer. A. W. Morse. No. 1,406,272; Feb. 14.
 Strainer, Culinary. H. Pick. No. 1,406,581; Feb. 14.
 Stream-line shield. J. H. Dunlap and K. B. Kilborn. No. 1,406,945; Feb. 14.
 Strip-cutting machine. F. R. Evans. No. 1,406,947; Feb. 14.
 Stump extractor, Self-anchoring. J. C. Williamson. No. 1,406,317; Feb. 14.
 Sulphur, Extracting. A. K. Sedgwick. No. 1,406,905; Feb. 14.
 Swimming device. C. E. Darrow. No. 1,406,940; Feb. 14.
 Swing. W. E. Braymer. No. 1,406,529; Feb. 14.
 Switch: *See*—
 Electric motor switch. Pressure-operated switch.
 Electric switch.
 Switch lock. S. G. Wells. No. 1,406,790; Feb. 14.
 Switch stands, Lock for. W. H. Franklin. No. 1,406,363; Feb. 14.
 Switches, Handle device for. N. J. A. Wahlberg. No. 1,406,309; Feb. 14.
 Table: *See*—
 Ironing-table. Stone-working table.
 Talking machines, Brake mechanism for. M. Nystrom. No. 1,406,579; Feb. 14.
 Talking machines, Driver for disk. R. L. Holliman and J. W. Collins. No. 1,406,864; Feb. 14.
 Tank: *See*—
 Sewerage disposal tank.
 Target apparatus. A. Michoud. No. 1,406,674; Feb. 14.
 Teaching universal history, Chart for. G. Detrick. No. 1,406,173; Feb. 14.
 Telegraph sounder. C. H. Teegarden. No. 1,406,428; Feb. 14.
 Telephone, Auricular. L. Weber. No. 1,406,510; Feb. 14.
 Telephone-exchange system. J. L. McQuarrie. No. 1,406,668; Feb. 14.
 Telephone-exchange system. L. Polinkowsky. No. 1,406,221; Feb. 14.
 Telephone substation apparatus. H. W. Pugh. No. 1,406,223; Feb. 14.
 Telephone-switchboard cords, Testing apparatus for. G. W. Kuhn. No. 1,406,195; Feb. 14.
 Telephone system. L. A. Mortimer. No. 1,406,678; Feb. 14.
 Telephone system. A. B. Sperry. No. 1,406,236; Feb. 14.
 Tent. F. W. Timmerman. No. 1,406,301; Feb. 14.
 Testing system. W. G. Blauvelt. No. 1,406,918; Feb. 14.
 Textile, Ornamental. S. Miller. No. 1,406,208; Feb. 14.
 Thermometer holder, Clinical. J. T. Greeley. No. 1,406,373; Feb. 14.
 Thermostat. P. E. Demmler. No. 1,406,352; Feb. 14.
 Thermostatic indicator. W. Morell. No. 1,406,476; Feb. 14.
 Thermoelectric alarm. A. M. de S. Greaves. No. 1,406,553; Feb. 14.
 Thrashing machines, Tailings thrasher for. J. C. Junkin. No. 1,406,394; Feb. 14.
 Thrashing machines, Feeder spreader for. J. C. Junkin. No. 1,406,395; Feb. 14.
 Thrashing machines, Fan governor for. G. T. Strite. No. 1,406,427; Feb. 14.
 Tile, Drain. Captain P. Funk. No. 1,406,182; Feb. 14.
 Tile for wall structures, Open hollow. M. Dochnal. No. 1,406,354; Feb. 14.
 Tin, Bake. E. F. Anholzer. No. 1,406,522; Feb. 14.
 Tire. M. B. Flaherty. No. 1,406,630; Feb. 14.
 Tire beads, Apparatus for making. W. B. Harsel. No. 1,406,855; Feb. 14.
 Tire-casing-vulcanizing mold. R. H. Atcheson. No. 1,406,433; Feb. 14.
 Tire chains, Hook for antiskid. V. C. Kloepper. No. 1,406,461; Feb. 14.
 Tire-core-stripping machine. C. Kuentzel. (Reissue.) No. 15,284; Feb. 14.
 Tire holder. A. L. Stewart and R. W. Powell. No. 1,406,296; Feb. 14.
 Tire rim, Demountable. A. H. Lundstrom. No. 1,406,664; Feb. 14.
 Tire protector. L. E. Abbott. No. 1,406,803; Feb. 14.
 Tire protector. C. P. McWane. No. 1,406,202; Feb. 14.
 Tires, Apparatus for rolling. O. Reifurth. No. 1,406,895; Feb. 14.
 Tire, Single-tube. S. O. Hahn. No. 1,406,535; Feb. 14.
 Tires, Expandable core for vulcanizing. W. A. and M. F. Gram. No. 1,406,640; Feb. 14.
 Tires, Protecting device for automobile. W. K. Knight. No. 1,406,655; Feb. 14.
 Tires, Quick-locking cap for the air valves of automobile. J. A. Bozung. No. 1,406,336; Feb. 14.
 Tired wheel rims, Safe for. W. T. Anderson. No. 1,406,805; Feb. 14.
 Tired wheel rims, Safe for. W. T. Anderson. No. 1,406,607; Feb. 14.

- Tool, Combination. M. R. Kronert. No. 1,406,262; Feb. 14.
- Tool, Cutting. J. W. Lawson. No. 1,406,265; Feb. 14.
- Tool holder. B. T. Browand. No. 1,406,339; Feb. 14.
- Tool holder. G. F. Pickett. No. 1,406,220; Feb. 14.
- Tools, Guide or gauge for reciprocating hand. H. Briggs. No. 1,406,924; Feb. 14.
- Torpedo. J. Gioiosa. No. 1,406,369; Feb. 14.
- Torpedo for blasting purposes. G. E. Gelm. No. 1,406,844; Feb. 14.
- Tov. L. Hinz. No. 1,406,733; Feb. 14.
- Toy small arm. C. W. Reiser. No. 1,406,820; Feb. 14.
- Track appliances, Operating stand for. S. W. Hayes. No. 1,406,557; Feb. 14.
- Traction-wheel lug. T. J. Hruby. No. 1,406,562; Feb. 14.
- Tractor. H. H. Bates. No. 1,406,332; Feb. 14.
- Tractor. G. H. Nobbs. No. 1,406,754; Feb. 14.
- Tractor, Farm. C. Murnane. No. 1,406,209; Feb. 14.
- Tractor lug. N. N. Matthews. No. 1,406,749; Feb. 14.
- Tractor wheel and scraper. F. P. Arnold. No. 1,406,809; Feb. 14.
- Tractors, Water pump for. R. L. Beck. No. 1,406,524; Feb. 14.
- Trailer, Reversible. A. P. Lee. No. 1,406,658; Feb. 14.
- Train-stop means, Automatic. W. J. Wirt. No. 1,406,797; Feb. 14.
- Trains, Device for controlling railway. E. Rodolausse. No. 1,406,902; Feb. 14.
- Transformer, Thermoelectric. H. J. Murray. No. 1,406,576; Feb. 14.
- Transformers, Laminated magnetic circuit structure for. C. H. Thordarson. No. 1,406,245; Feb. 14.
- Transmission band. W. J. Brownfield. No. 1,406,440; Feb. 14.
- Transmitter, Signal. R. M. Hopkins. No. 1,406,865; Feb. 14.
- Tray, Return-chute recovery. C. A. Wendt. No. 1,406,593; Feb. 14.
- Trimming machine, Lining. G. Boulton. No. 1,406,335; Feb. 14.
- Trolley frog. E. E. Rose. No. 1,406,285; Feb. 14.
- Trolley-frog approach. E. E. Rose. No. 1,406,286; Feb. 14.
- Trolley-wheel harp. E. Baczinski. No. 1,406,812; Feb. 14.
- Trousers, Football. W. P. Whitley. No. 1,406,794; Feb. 14.
- Trousers, creaser and former. O. Pickelsimer. No. 1,406,891; Feb. 14.
- Truck. G. F. Knowles. No. 1,406,462; Feb. 14.
- Truck, Car. J. C. Ross. No. 1,406,287; Feb. 14.
- Trucks, Centering device for. W. E. Woodard. No. 1,406,801; Feb. 14.
- Trunks, Safety lock for. J. Brzezicki. No. 1,406,822; Feb. 14.
- Tubes, Making inner. D. C. McRoberts. No. 1,406,669; Feb. 14.
- Turning machines, Finishing head for bolt. W. T. Lingo. No. 1,406,880; Feb. 14.
- Typographical composing machine. D. S. Kennedy. No. 1,406,563; Feb. 14.
- Typographical composing and casting machine. D. S. Kennedy. No. 1,406,564; Feb. 14.
- Typewriting machine. J. F. Allard. No. 1,406,162; Feb. 14.
- Typewriting machine. J. Gerbeyaye. No. 1,406,845; Feb. 14.
- Typewriting machine. E. Jucker. No. 1,406,873; Feb. 14.
- Universal joint. G. T. Forsyth. No. 1,406,361; Feb. 14.
- Valve. D. C. Jester. No. 1,406,869; Feb. 14.
- Valve. G. Massip. No. 1,406,748; Feb. 14.
- Valve. A. B. Wood. No. 1,406,799; Feb. 14.
- Valve for air-brake equipment, Charging. G. E. Maier. No. 1,406,466; Feb. 14.
- Valve, Fuel. R. H. Irving. No. 1,406,191; Feb. 14.
- Valve, Pressure. C. J. Olson. No. 1,406,216; Feb. 14.
- Valve, Self-cleaning drain. F. H. Etzenhouser. No. 1,406,830; Feb. 14.
- Valve, Triple. W. G. Canion. No. 1,406,609; Feb. 14.
- Vapor burner. R. D. Leslie, and F. E. H. Snowden. No. 1,406,396; Feb. 14.
- Variable-pitch propeller. O. F. Persson. No. 1,406,277; Feb. 14.
- Vehicle bodies, Body bracket for. A. T. Sturt. No. 1,406,241; Feb. 14.
- Vehicle spring suspension. H. M. Crane. No. 1,406,935; Feb. 14.
- Vehicle wheel and axle. A. L. Putnam. No. 1,406,759; Feb. 14.
- Vehicle wheels, Pneumatic element for. S. Amoroso. No. 1,406,324; Feb. 14.
- Vehicles, Hub appliance for motor. H. H. Fitch and E. W. Miller. No. 1,406,836; Feb. 14.
- Vehicles, Differential mechanism for motor. J. and P. A. Salazar. No. 1,406,584; Feb. 14.
- Vehicles, Radiator mounting for motor. F. G. Albourn. No. 1,406,163; Feb. 14.
- Vehicles, Roller or ball bearing for electrically-driven. H. K. Angström. No. 1,406,807; Feb. 14.
- Vehicles, Signaling apparatus for use with motor-driven and other. W. M. Rolph. No. 1,406,493; Feb. 14.
- Vehicles, Sleigh runner for motor. H. T. Miller. No. 1,406,207; Feb. 14.
- Ventilator. F. J. Tomsek. No. 1,406,783; Feb. 14.
- Ventilator. H. J. Yeldham. No. 1,406,321; Feb. 14.
- Vessel-supporting device, Cooking. C. L. Lumby. No. 1,406,399; Feb. 14.
- Vibration detector. J. P. Maxfield. No. 1,406,672; Feb. 14.
- Vise having instantaneous tightening and loosening action. M. A. L. Rocher. No. 1,406,901; Feb. 14.
- Vulcanization. E. Levinstein. No. 1,406,197; Feb. 14.
- Wagon and gocar, Combination. W. W. Lincoln. No. 1,406,397; Feb. 14.
- Washer. See—
Nut and washer.
- Water heater, Electric. R. J. Frost. No. 1,406,181; Feb. 14.
- Water heater, Flexible. F. F. Forshee. No. 1,406,360; Feb. 14.
- Water heating attachment. M. Starr. No. 1,406,771; Feb. 14.
- Watering-trough for bees. H. S. Lubben. No. 1,406,568; Feb. 14.
- Water-level indicator. G. A. Bryan. No. 1,406,926; Feb. 14.
- Water silencer. H. L. Doulton and R. J. Pleace. No. 1,406,943; Feb. 14.
- Waxer and polisher, Floor. A. S. Boyle. No. 1,406,721; Feb. 14.
- Well-enlarging and cistern-making machine, Deep. C. S. Corrigan. No. 1,406,349; Feb. 14.
- Well-enlarging and cistern-making machines, Control bracket gear for deep. C. S. Corrigan. No. 1,406,351; Feb. 14.
- Well machines, Holding device for deep. C. S. Corrigan. No. 1,406,350; Feb. 14.
- Well reamer, Deep. C. S. Corrigan. No. 1,406,348; Feb. 14.
- Wheel. See—
Resilient wheel.
- Wheel. O. H. Jobski. No. 1,406,392; Feb. 14.
- Wheel construction. B. R. C. and R. S. Bolenbaugh, and L. W. Long. No. 1,406,920; Feb. 14.
- Wheel rack and lift. G. G. C. Flintermann. No. 1,406,632; Feb. 14.
- Winding machine, Coil. W. L. O'Brien and O. H. Spencer. No. 1,406,215; Feb. 14.
- Winding machines, Stop motion for. G. O. McKean. No. 1,406,572; Feb. 14.
- Window. C. E. Ward. No. 1,406,786; Feb. 14.
- Windows, Antirattler for. E. W. Ladd. No. 1,406,264; Feb. 14.
- Window shutters, blinds, etc., Operating mechanism for. A. B. Longenbaugh. No. 1,406,198; Feb. 14.
- Windshield wiper. J. W. Cain. No. 1,406,341; Feb. 14.
- Wire and rod, Means for drawing. M. Howarth. No. 1,406,867; Feb. 14.
- Wire lathing. G. M. Wright. No. 1,406,519; Feb. 14.
- Wire-link fabric. W. J. Mahoney. No. 1,406,406; Feb. 14.
- Wire stretcher. F. J. Gleason. No. 1,406,846; Feb. 14.
- Wire-supporting structure. W. S. Schaake. No. 1,406,288; Feb. 14.
- Wire twister. J. H. Akard. No. 1,406,715; Feb. 14.
- Wireless signaling. R. A. Heising. No. 1,406,857; Feb. 14.
- Wrench. See—
Flange wrench. Ratchet wrench.
- Wrench. A. H. Bartlett. No. 1,406,331; Feb. 14.
- Wrench. E. Brown. No. 1,406,531; Feb. 14.
- Wrench. W. M. Myers. No. 1,406,408; Feb. 14.
- Wrench. G. C. Peters. No. 1,406,755; Feb. 14.
- Wrench. L. S. Sloane. No. 1,406,293; Feb. 14.
- Wrench. H. C. Sutherland. No. 1,406,910; Feb. 14.
- Wringer. E. F. Beebe. No. 1,406,436; Feb. 14.

ALPHABETICAL LIST OF DESIGNS.

Automobiles, Temperature indicator for radiators of. J. Kleidman. No. 60,417; Feb. 14.	Nutcracker and bowl, Combined. F. C. Baker. No. 60,394; Feb. 14.
Belt package. F. F. Raniville. No. 60,429; Feb. 14.	Pot, Paste. E. E. Galle. No. 60,401; Feb. 14.
Brush. J. A. Trego. No. 60,431; Feb. 14.	Razor, Handle for safety. E. R. Wharton. Nos. 60,435-6; Feb. 14.
Cabinet, Washing-machine. A. W. Altofer. No. 60,393; Feb. 14.	Ring, Finger. J. Kreisler. No. 60,418; Feb. 14.
Card, Sample. H. F. Cohen. No. 60,397; Feb. 14.	Rubber heel. G. F. Quinn. No. 60,428; Feb. 14.
Faucet, Dispensing. C. N. Jacoby. No. 60,416; Feb. 14.	Toaster. G. E. Curtiss. No. 60,398; Feb. 14.
Lace. T. Monk. No. 60,419; Feb. 14.	Toy bear, doll, or similar article. C. W. Wertin. Nos. 60,432-4; Feb. 14.
Lace. S. H. Page. Nos. 60,421-3; Feb. 14.	Toy whistle. S. Wolk. No. 60,437; Feb. 14.
Lace. H. A. Philips. No. 60,425; Feb. 14.	Tray, Combination. P. Pecoraro. No. 60,424; Feb. 14.
Lamp casing, Signal. R. J. McDonough. No. 60,420; Feb. 14.	Vehicle body. B. L. Ebert. No. 60,399; Feb. 14.
Lavatory fixture. S. S. Budlong. No. 60,396; Feb. 14.	Vehicle, Motor-driven. R. B. Fageol. No. 60,400; Feb. 14.
Linoleum, oilcloth, or floor covering. C. F. Humphreys. Nos. 60,402-15; Feb. 14.	Vehicle, Vending. O. Brockman. No. 60,395; Feb. 14.
Linoleum, oilcloth, or floor covering. C. M. Post. Nos. 60,426-7; Feb. 14.	Washing-machine frame. F. C. Sebulske. No. 60,430; Feb. 14.

ALPHABETICAL LIST OF TRADE-MARKS REGISTERED.

- Advertising matter, Certain. Textile Publishing Company. No. 151,971; Feb. 14.
- Aeroplanes. J. L. Aircraft Corporation. No. 151,655; Feb. 14.
- Alcoholic solvent. Rossville Company. No. 151,932; Feb. 14.
- Antacid and aperient. Magnesia Company. No. 152,094; Feb. 14.
- Antiseptic and prophylactic solution. Ohio Valley Drug Company. No. 151,893; Feb. 14.
- Aprons and house dresses. Birkenfeld, Strauss & Co. No. 151,677; Feb. 14.
- Automobile-bodies. Lehman Mfg. Co. No. 151,840; Feb. 14.
- Automobile vans and motor trucks. J. P. Lehrer. No. 151,841; Feb. 14.
- Automobile ignition and signaling circuits, Detectors for indicating the condition of. E. F. Potter. No. 151,913; Feb. 14.
- Automobile spotlights, Controlling device for. H. J. Segur. No. 151,942; Feb. 14.
- Automobiles, motor-trucks. Winton Company. No. 152,009; Feb. 14.
- Awnings, tents, flags, tarpaulins. W. B. Starkloff. No. 151,963; Feb. 14.
- Bacon, fresh pork, and sausage. John Morrell & Company. No. 151,881; Feb. 14.
- Bags, Shopping. W. H. Deubener. Nos. 152,060-1; Feb. 14.
- Bassinetts, cribs, cradles, etc. Wheel. Gem Crib & Cradle Company. No. 151,772; Feb. 14.
- Batteries, Solution for all makes of lead-plate. Why-Sol Battery Solution Company. No. 152,007; Feb. 14.
- Beans, sugar, food oils, etc. G. C. Crassopoulos. No. 151,729; Feb. 14.
- Beds, cribs, couches, and springs and mattresses therefor, Metal. Quality Mattress Company. No. 151,919; Feb. 14.
- Bed springs. Northwestern Bedding and Manufacturing Co. No. 151,888; Feb. 14.
- Bedsteads and cribs, Metal. Mersereau Metal Bed Company. No. 151,869; Feb. 14.
- Belting, hose, packing, etc. Wm. E. Hooper & Sons Co. No. 151,809; Feb. 14.
- Belts for personal wear. G. M. Poix, Inc. No. 151,911; Feb. 14.
- Benches, Piano. Tonk Manufacturing Co. No. 151,974; Feb. 14.
- Beverage and sirup for making same, Nonalcoholic. T. B. Kane. No. 151,828; Feb. 14.
- Beverage and sirup for making same, Nonalcoholic, maltless. R. J. Shine. No. 152,042; Feb. 14.
- Beverage and sirups for making same, Nonalcoholic, non-cereal, maltless. Keen Kola Manufacturing Company. No. 152,032; Feb. 14.
- Beverage, Nonalcoholic, maltless. C. P. Johnson. No. 151,821; Feb. 14.
- Beverage, Nonalcoholic, maltless. G. V. Moseley. No. 152,037; Feb. 14.
- Beverages, Nonalcoholic, maltless. River Nile Company. No. 152,039; Feb. 14.
- Beverages and sirups for making same. J. E. Fowler. No. 152,065; Feb. 14.
- Boilers, Steam. J. P. Badenhansen. No. 152,049; Feb. 14.
- Boning, steels, and staying materials. Mightybone Corporation of New York. No. 151,871; Feb. 14.
- Boning, steels, and staying materials. Mightybone Corporation of New York. No. 151,872; Feb. 14.
- Books and maps, Printed. C. S. Loeber. No. 152,034; Feb. 14.
- Books, pamphlets, catalogues, printed and engraved matter, etc. Essex Press, Inc. No. 151,750; Feb. 14.
- Books published periodically, Series of. Grosset & Dunlap. Nos. 151,787-8; Feb. 14.
- Boots, shoes, and slippers, and soles therefor. Nath'l Fisher & Co. No. 152,098; Feb. 14.
- Braids and articles of passementerie. Dollfus-Mieg & Cie. Société Anonyme. No. 151,739; Feb. 14.
- Braids, shoe and corset laces. C. P. Schaeffer. No. 151,937; Feb. 14.
- Brake and clutch linings. Raybestos Company. No. 152,107; Feb. 14.
- Brandy. Jules Robin & Co. No. 20,184; renewed Oct. 6, 1921.
- Brassieres and diaphragm supporters. Corset Supply House. No. 151,723; Feb. 14.
- Bread. F. Jungewaelter. No. 151,826; Feb. 14.
- Bread, Potat. rye. F. Jungewaelter. No. 151,827; Feb. 14.
- Bread. P. P. Lisiecki. No. 151,850; Feb. 14.
- Bread. Old Fashioned Millers, Inc. No. 152,102; Feb. 14.
- Bread. Taggart Baking Company. No. 151,970; Feb. 14.
- Bread. Ward Baking Company. No. 152,000; Feb. 14.
- Brooms. Lee Broom & Duster Company. No. 152,033; Feb. 14.
- Bronze liquids and certain paints and colors. Denny, Hilborn & Rosenbach. No. 152,057; Feb. 14.
- Bulletins, Series of. L. D. Rogers. No. 152,040; Feb. 14.
- Butter. Pioneer Creamery Co. No. 151,908; Feb. 14.
- Butter. H. E. Wimer. No. 152,085; Feb. 14.
- Butter, eggs, ice cream, etc. Henningsen Produce Co. No. 151,806; Feb. 14.
- Butter, ice cream, ices, etc. Sylvester-Nichols Company. No. 151,969; Feb. 14.
- Butter substitute. Ohio Dairy Co. No. 151,892; Feb. 14.
- Cabinets, Kitchen. G. I. Sellers & Sons Company. No. 151,943; Feb. 14.
- Cake. Ward Baking Company. No. 151,999; Feb. 14.
- Candies. C. W. Brown. No. 151,688; Feb. 14.
- Candies. Mason, Au & Magenheimer Confectionery Manufacturing Company. No. 151,863; Feb. 14.
- Candies. Rogers Candy & Ice Cream Co. No. 151,926; Feb. 14.
- Candies. L. M. Tully. No. 151,983; Feb. 14.
- Candies. George Ziegler Co. No. 152,013; Feb. 14.
- Candies and chocolates. Liberty Tree Candy Company. No. 151,845; Feb. 14.
- Candy. Carly Candy Co. No. 151,706; Feb. 14.
- Candy. Charter Chocolate Company. No. 151,708; Feb. 14.
- Candy. Charter Chocolate Company. No. 151,709; Feb. 14.
- Candy. D. Goldenberg. No. 151,776; Feb. 14.
- Candy. Theodore Gottmann & Sons. No. 151,780; Feb. 14.
- Candy. Hawley & Hoops. No. 151,801; Feb. 14.
- Candy. Heit Miller Lau Co. No. 151,804; Feb. 14.
- Candy. Manufacturing Company of America. No. 151,861; Feb. 14.
- Candy. T. Shortiss. No. 151,947; Feb. 14.
- Candy. Stuart Confections Co. No. 152,079; Feb. 14.
- Candy, Bar. Robt. F. Mackenzie Co. No. 152,095; Feb. 14.
- Candy, cake, bread, and pastry. United Candy & Pastry Company. No. 151,985; Feb. 14.
- Candy, Chocolate. Samoset Chocolate Company. No. 151,933; Feb. 14.
- Candy, Chocolate-coated. Cardinet Candy Company. No. 151,701; Feb. 14.
- Candy having a marshmallow center, Chocolate-coated peanut. Curtiss Candy Co. No. 151,727; Feb. 14.
- Candy mints. Shelby Supply & Manufacturing Company. No. 151,945; Feb. 14.
- Candy sticks. Gardiner-Lucas Co. No. 151,770; Feb. 14.
- Candy, sugar. Gardiner-Lucas Co. No. 151,771; Feb. 14.
- Canned chili con carne and canned hot tomatoes. Walker Properties Association. No. 151,994; Feb. 14.
- Canned fish. K. Hovden Company. No. 151,808; Feb. 14.
- Canned fruits, fruit butter, olive oil, etc. California Growers Association. No. 151,698; Feb. 14.
- Canned fruits. California Growers Association. No. 151,699; Feb. 14.
- Canned goods, coffee, tea, etc. Sussman Wormser & Co. No. 151,967; Feb. 14.
- Canned pineapple. Hawaiian Pineapple Company, Ltd. Nos. 151,797-800; Feb. 14.
- Canned salmon and sardines. Jos. Socolof Co. No. 151,953; Feb. 14.
- Canned vegetables. Inderrieden Canning Company. No. 151,816; Feb. 14.
- Cantaloupes and fresh grapes. R. Krasnow & Sons. No. 151,835; Feb. 14.
- Cards, Greeting. Post-Michel Co. No. 151,912; Feb. 14.
- Cards, Playing. G. L. McCarthy. No. 152,035; Feb. 14.
- Cards, Playing. United States Playing Card Company. No. 151,986; Feb. 14.
- Cartoons, Series of. R. L. Goldberg. No. 151,777; Feb. 14.
- Cartoons, Series of. Tribune Company. Nos. 151,978-9; Feb. 14.
- Catsup and chilli sauce. Greenbaum Bros. No. 151,786; Feb. 14.
- Cement. Braunschweiger Cementwerke. No. 19,874; renewed July 14, 1921.
- Chairs. Frank Rieder & Sons. No. 151,925; Feb. 14.
- Chairs, Certain. Peabody School Furniture Co. No. 151,902; Feb. 14.
- Chairs, Certain. Plimpton Scofield Company. No. 152,106; Feb. 14.
- Chocolates. D. Auerbach & Sons. No. 152,047; Feb. 14.
- Chocolates and candies. Novia Candy Co. No. 151,889; Feb. 14.
- Chowchow, pickles, catsup, etc. Hirsch Bros. & Co. No. 152,071; Feb. 14.
- Cleaners, Jewelers' metal and electroplaters'. Chemical Sales Company. No. 151,710; Feb. 14.
- Cleaning floors, Liquid for. A. Lucati. No. 151,856; Feb. 14.
- Cleaning preparation having water-softening properties. Noves Bros. & Cutler, Incorporated. No. 151,890; Feb. 14.
- Card, Cloth. Mechanical Fabric Company. No. 20,538; renewed Jan. 5, 1922.
- Clothes-washing liquid. A. Lucati. No. 151,857; Feb. 14.

- Clothing, Certain articles of. A. De Prima Co. No. 151,736; Feb. 14.
- Clothing, Certain articles of. John Wanamaker, New York. No. 151,998; Feb. 14.
- Clothing, Certain articles of. Walker Stetson Company. No. 151,995; Feb. 14.
- Coats, suits, and dresses. Cohn-Goodman Company. No. 151,713; Feb. 14.
- Coffee, American Universal Coffee Company. No. 151,661; Feb. 14.
- Coffee, American Universal Coffee Company. No. 151,662; Feb. 14.
- Coffee, A. Curtze. No. 151,728; Feb. 14.
- Coffee, Direct Coffee Mills. No. 151,738; Feb. 14.
- Coffee, Faccas & Onofrio. No. 151,755; Feb. 14.
- Coffee, Granger & Co. No. 151,783; Feb. 14.
- Coffee, Martin L. Hall Company. No. 151,791; Feb. 14.
- Coffee, Vinson Coffee Co. No. 151,992; Feb. 14.
- Coffee, Young & Griffin Coffee Co. No. 152,012; Feb. 14.
- Coffee, cocoa, and chocolate. Royal Cocoa Co. No. 151,929; Feb. 14.
- Coffee, Prepared. G. Washington Coffee Refining Co. No. 152,082; Feb. 14.
- Coffee, Roasted. Smile Company. No. 151,951; Feb. 14.
- Combs, Hair. A. Lichtenstein. No. 151,846; Feb. 14.
- Corsets. Kalamazoo Corset Company. No. 152,087; Feb. 14.
- Cotton buffs. Durable Utilities Mfg. Corp. No. 151,742; Feb. 14.
- Cotton, silk, etc., piece goods. H. V. T. Schill Co. No. 152,073; Feb. 14.
- Counter for stores. E. A. Burrows. No. 151,693; Feb. 14.
- Crackers, Cheese. Green and Green Company. No. 151,785; Feb. 14.
- Cravats. I. Kunstler. No. 151,837; Feb. 14.
- Crib for children, Folding. E. M. Trimble. No. 151,980; Feb. 14.
- Crochet and embroidery cotton. Burnstine and Nechman. No. 151,692; Feb. 14.
- Cushions. Jessal Company. No. 151,819; Feb. 14.
- Decoration made of tin foil for Christmas trees. Conley Foil Company. No. 151,718; Feb. 14.
- Dentifrices—Namoly, tooth paste. R. W. Rennie. No. 151,930; Feb. 14.
- Desks and folding and school chairs. Peabody School Furniture Co. No. 151,903; Feb. 14.
- Detergents, Soluble chemical compounds used as. Electric Smelting & Aluminum Co. Nos. 151,745-6; Feb. 14.
- Detergents, Soluble chemical compounds used as. Electric Smelting & Aluminum Co. No. 151,747; Feb. 14.
- Dogs, Thoroughbred. L. Wielich. No. 152,084; Feb. 14.
- Dolls. A. Black. No. 152,019; Feb. 14.
- Dressers, chifferettes, dressing tables, beds, vanity dressers, etc. F. H. Newmaker. No. 151,887; Feb. 14.
- Ducks, Live and dressed. Farmers' Commission House Inc. No. 151,754; Feb. 14.
- Egg carriers and cases, egg-case fillers and fruit carriers. H. Weis. No. 21,047; renewed Apr. 26, 1922.
- Electric omnibuses or passenger vehicles. Atlas Truck Corporation. No. 152,016; Feb. 14.
- Electrical switchboards. Automatic Electrical Devices Company. No. 152,048; Feb. 14.
- Elixir rhubarb alkaline with pancreatin. Ohio Valley Drug Company. No. 151,894; Feb. 14.
- Eye medicine. S. Urban. No. 151,989; Feb. 14.
- Eyewater. E. E. Slaughter. No. 151,948; Feb. 14.
- Fabric in the piece. Pile. Sidney Blumenthal & Co. No. 151,681; Feb. 14.
- Feed and corn-oil-cake meal. Corn gluten. Penick & Ford Ltd. Inc. No. 152,105; Feb. 14.
- Feed, Poultry. Security Mills & Feed Company. No. 151,941; Feb. 14.
- Feed, Stock. Miller-McConnel Grain Co. No. 151,875; Feb. 14.
- Feeding and drinking receptacles, Poultry. B. & W. Mfg. Co. No. 151,695; Feb. 14.
- Feeds. St. Albans Grain Company. No. 152,077; Feb. 14.
- Feeds, balanced ration, wheat and stock. J. Cushing Co. No. 152,055; Feb. 14.
- Feeds, laying mash, and corn meal, Hen and chick. Richland Milling Company. No. 151,924; Feb. 14.
- Filing cabinets. H. L. De Lisle. No. 151,735; Feb. 14.
- Filters and refrigerators. John Dunn, Son & Co. No. 151,741; Feb. 14.
- Fish and sea food. Ray Fish Packing Co. No. 151,921; Feb. 14.
- Flour, Wheat. American Finance & Commerce Company. Nos. 151,656-7; Feb. 14.
- Flour, Wheat. Colorado Milling & Elevator Company. No. 151,715; Feb. 14.
- Flour, Wheat. Millers Milling Company. No. 151,876; Feb. 14.
- Flour, Wheat. Frank R. Prina Corporation. Nos. 151,915-16; Feb. 14.
- Flour, Wheat. Wallace Milling Company. No. 151,996; Feb. 14.
- Flour, Wheat. Weber Flour Mills Corporation. No. 152,001; Feb. 14.
- Flour, farina, corn meal, etc. Hecker-Jones-Jewell Milling Company. No. 151,803; Feb. 14.
- Flour, Potato. Falk American Potato Flour Corporation. No. 151,753; Feb. 14.
- Flavoring compound for use in sirups, etc. Eng-Skell Company. No. 151,744; Feb. 14.
- Flavoring extracts, nonalcoholic, maltless. Instant Extract Company. No. 151,817; Feb. 14.
- Food for infants, invalids, convalescents, Concentrated. G. Prunier & Cie. No. 151,917; Feb. 14.
- Food, Malt. Bonovyn, Limited. No. 151,682; Feb. 14.
- Fruit, Artificial. J. H. Emery. No. 151,748; Feb. 14.
- Fruit, Fresh citrus. D. A. Beattie. No. 151,672; Feb. 14.
- Fruit jams, jellies, preserves, and marmalade. John Gray & Company. No. 151,784; Feb. 14.
- Fruits and vegetables, Fresh. L. K. Small Company. No. 151,950; Feb. 14.
- Fruits and vegetables, Fresh deciduous. Westfall-Lane Company. No. 152,004; Feb. 14.
- Fruits, Fresh and dried deciduous. Oregon Growers Cooperative Assn. No. 151,895; Feb. 14.
- Fruits, Fresh citrus. L. B. Skinner. No. 152,076; Feb. 14.
- Fruits, Fresh citrus. S. M. Stephens. No. 151,964; Feb. 14.
- Fruits, fruit butter, and jam. Dried and canned. California Prune and Apricot Growers. No. 151,700; Feb. 14.
- Frock, Child's. Patsy-Frok & Romper Company. No. 152,103; Feb. 14.
- Furniture. Hadley Company. No. 151,790; Feb. 14.
- Furniture and metal cleaning preparation. F. Stover. No. 151,958; Feb. 14.
- Furniture, Certain household. Bernstein Bros. No. 151,675; Feb. 14.
- Furniture, Office and household. W. & J. Sloane. No. 151,949; Feb. 14.
- Fuel, benzol, toluol, naphtha, Liquid. Coopers Creek Chemical Company. No. 151,720; Feb. 14.
- Gasoline and fuel energizer. Refino Company. Nos. 151,922-3; Feb. 14.
- Ginghams in the piece. Durham Cotton Mfg. Co. No. 152,062; Feb. 14.
- Glass, etc., Preparation adapted for cleaning. J. H. Kelly. No. 151,831; Feb. 14.
- Gloves, Leather. Morrison Ricker Mfg. Co. No. 151,882; Feb. 14.
- Golf balls. Dunlop Rubber Co. No. 152,024; Feb. 14.
- Grain sprouters, metal nests, etc. Des Moines Incubator Company. No. 152,058; Feb. 14.
- Grape juice and juice from other fruits, Unfermented. Rafael Escofet y Haag. No. 152,038; Feb. 14.
- Grapes, dried fruits, and fresh deciduous fruits, Fresh. E. Y. Foley. No. 151,762; Feb. 14.
- Grapes, Fresh. Associated Fruit Co. No. 151,667; Feb. 14.
- Gum, Chewing. Mint Gum Company. No. 151,877; Feb. 14.
- Hair dressing. Lewis Brothers. No. 151,842; Feb. 14.
- Hair grower. A. Lavac. No. 151,838; Feb. 14.
- Hair nets. N. B. Cohen. No. 152,053; Feb. 14.
- Hair nets. A. Klar. No. 152,089; Feb. 14.
- Hairpins. Empire Notion Co. No. 151,749; Feb. 14.
- Hairpins, Wire. Samstag & Hilder Bros. No. 151,934; Feb. 14.
- Hair tonic. H. Ohrt. No. 152,101; Feb. 14.
- Hair wavers, ornaments and binders, combs. L. M. Garrit & Co. No. 152,067; Feb. 14.
- Hats and caps. B. L. Gram. No. 151,782; Feb. 14.
- Hats and caps. Samuel Miller & Co. No. 151,874; Feb. 14.
- Hats, Men's and boys'. W. C. Bill. No. 151,676; Feb. 14.
- Honey. A. I. Root Company. No. 151,927; Feb. 14.
- Honey. A. J. Schultz. No. 151,938; Feb. 14.
- Hosiery. Burson Knitting Company. No. 151,694; Feb. 14.
- Hosiery. Hosiery Clearing House. No. 151,810; Feb. 14.
- Hosiery. O. Schmied. No. 152,074; Feb. 14.
- Hosiery and knitted underwear. Delco Hosiery & Underwear Co. No. 151,734; Feb. 14.
- Ice cream. E. E. Harrer. No. 151,793; Feb. 14.
- Ice-cream cones. National Biscuit Company. No. 151,885; Feb. 14.
- Inks, Printing. Sigmund Ullman Company. No. 151,984; Feb. 14.
- Inks, Printing. Sigmund Ullman Company. No. 152,080; Feb. 14.
- Inks, Writings. A. P. Keller. No. 151,829; Feb. 14.
- Inks, Writing. Jiffy Pen Company. No. 151,820; Feb. 14.
- Insecticide. W. H. Johnson. No. 151,822; Feb. 14.
- Insecticide. Jonson Eureka Combination Spray Co. Nos. 151,824-5; Feb. 14.
- Insecticides for the destruction of flies, fleas, etc. G. Philbert. No. 151,906; Feb. 14.
- Insulated wire and electric cables and insulating material. Indiana Rubber and Insulated Wire Company. No. 20,916; renewed Mar. 29, 1922.
- Knitted hosiery, underwear, and petticoats for women. E. J. Isaacs. No. 151,818; Feb. 14.
- Lactalbuminous solution. P. Beiersdorf & Co. Inc. No. 151,673; Feb. 14.
- Lamps. Safety Car Heating and Lighting Company. No. 20,678; renewed Feb. 2, 1922.
- Lard. John Morrell & Company. No. 151,880; Feb. 14.
- Lard and dry salt and sweet-pickled pork. Fowler Packing Company. No. 151,765; Feb. 14.
- Lard substitute. O. Wynne. No. 152,011; Feb. 14.
- Leather. Hudson Leather Company. No. 152,028; Feb. 14.

- Leather, Artificial. Cotaroid Company. No. 151,724; Feb. 14.
- Limbs and members. F. A. Ritter. No. 152,108; Feb. 14.
- Liniment and preparation for certain uses. E. B. Spencer. No. 151,961; Feb. 14.
- Macaroni, spaghetti, egg noodles. Macaroni Foods Corporation. No. 151,858; Feb. 14.
- Magazine, Monthly. Eastman Kodak Company. No. 152,025; Feb. 14.
- Magazine, Monthly. Long Printing Company. No. 151,851; Feb. 14.
- Magazine, Monthly. C. E. Miller. No. 151,873; Feb. 14.
- Magazine, Monthly. G. F. Weeks. No. 152,044; Feb. 14.
- Magazines, Monthly. B. E. Barnes. No. 152,017; Feb. 14.
- Magazines, Monthly. Briggs & Stratton Company. No. 151,686; Feb. 14.
- Malt and fruit extracts and sirups. S. L. Goldman. No. 151,778; Feb. 14.
- Malt extract. H. Corcoran. No. 151,721; Feb. 14.
- Malt extracts. C. Motekewecz. No. 151,884; Feb. 14.
- Mattresses. Sugarland Industries. No. 151,966; Feb. 14.
- Mattresses, pillows. H. Wessel. No. 152,002; Feb. 14.
- Mayonnaise and Russian dressings, olive mayonnaise. J. S. McGowan. No. 151,868; Feb. 14.
- Mayonnaise dressing. Kelly Busy Corner Company. No. 151,830; Feb. 14.
- Measuring and scientific appliances, Certain. Westinghouse Electric & Manufacturing Company. No. 152,083; Feb. 14.
- Medicine, Blood-purifying. A. Satz. No. 151,936; Feb. 14.
- Medicinal preparation for certain uses. Blanding & Blanding, Inc. Nos. 151,679-80; Feb. 14.
- Medicinal preparations for the treatment of diseases of the female organs. J. Brockhoff. No. 151,687; Feb. 14.
- Medicinal preparation. E. J. Marecki. No. 152,097; Feb. 14.
- Medicinal preparations. Trust estate of Adolph C. Meyer, deceased. No. 151,982; Feb. 14.
- Medicinal preparation, Certain. William R. Warner & Co. No. 152,081; Feb. 14.
- Medicinal tablet for prevention of attacks of epilepsy. J. F. L. Zingre. No. 152,014; Feb. 14.
- Metal tokens or saving-checks. S. P. Foltz. No. 151,763; Feb. 14.
- Milk, buttermilk, cream, butter. City Creamery Co. No. 151,712; Feb. 14.
- Milk, Condensed. Juan & McCormack. No. 152,031; Feb. 14.
- Milk, Evaporated. Galloway-West Company. No. 151,769; Feb. 14.
- Milk, Unsweetened evaporated. American Milk Products Corporation. No. 151,663; Feb. 14.
- Mirrors, Rear-view. Liberty Mirror Works. No. 151,844; Feb. 14.
- Molasses. S. Nagano. No. 152,075; Feb. 14.
- Molding for upholstering. George R. Carter Company. No. 151,705; Feb. 14.
- Mops, cotton. California Cotton Mills Company. No. 151,697; Feb. 14.
- Musical compositions, Printed copies of. United Phonograph Stores Inc. No. 152,043; Feb. 14.
- Mustard, French dressing, mayonnaise, etc. J. Delpech. No. 152,056; Feb. 14.
- Needles, also toilet pins. B. J. Parsons. No. 151,900; Feb. 14.
- Needles, Sewing. George Borgfeldt & Co. No. 151,683; Feb. 14.
- Nets, Face and hair. J. Fleischer. No. 152,063; Feb. 14.
- Newspaper articles, Nom de plume for. Tribune Company. Nos. 151,976-7; Feb. 14.
- Notions and fancy goods, Certain. Diadem Mfg. Co. No. 151,737; Feb. 14.
- Office organ and advertising magazine. Inter-Monroe Calculating Machine Company. No. 152,036; Feb. 14.
- Oil made from cottonseed, Salad and cooking. Globe Cotton Oil Mills. No. 151,774; Feb. 14.
- Oil, mayonnaise, maple sugar, honey, etc., Olive. Hoffman & Hauck. No. 151,796; Feb. 14.
- Oil, Olive. Oriental Products Importing Co. No. 151,896; Feb. 14.
- Oil, Olive. Sotomayor. Compania Anonima Comercial. No. 151,955; Feb. 14.
- Oils, Certain heating and illuminating. Standard Oil Company. No. 152,078; Feb. 14.
- Oils, Vegetable and mayonnaise and salad. Strohmeyer & Arpe Company. No. 151,959; Feb. 14.
- Okomargarine. Harrow-Taylor Butter Co. No. 152,070; Feb. 14.
- Oranges, grapefruits, lemons, limes, etc., Fresh.; J. M. Knight. No. 151,833; Feb. 14.
- Ovens, Bakers'. National Oven Company. No. 152,099; Feb. 14.
- Package outfits containing certain goods. James Lees and Sons Company. No. 151,839; Feb. 14.
- Pads, Chair. T. R. Brawley. No. 151,685; Feb. 14.
- Paint. E. Maynz. No. 20,398; renewed Nov. 24, 1921.
- Pamphlets, circulars, etc. M. Hartman. No. 151,794; Feb. 14.
- Paper and cloth, Flint. Baeder Adamson Company. No. 151,654; Feb. 14.
- Paper and cloth, Flint, garment, and emery. Baeder Adamson Company. No. 151,653; Feb. 14.
- Paper and envelopes, Certain correspondence. Art Craft Shops Company. No. 151,665; Feb. 14.
- Paper and typewriter ribbons, Carbon. Carrib Mfg. Corporation. No. 151,704; Feb. 14.
- Paper, Roofing. Galdo Dulzaides y Compania. No. 152,066; Feb. 14.
- Paper, Safety. Forman Bassett Company. No. 151,764; Feb. 14.
- Peaches, Fresh. C. J. Hood. No. 152,072; Feb. 14.
- Periodical, Annual. Field & Stream Publishing Company. No. 152,026; Feb. 14.
- Periodical, Monthly. C. S. Berriman. No. 152,018; Feb. 14.
- Periodical, Monthly. International Association of Lions Clubs. No. 152,030; Feb. 14.
- Periodicals issued monthly, bulletins, and circulars. International Association of Lions Clubs. No. 152,029; Feb. 14.
- Pianos and player pianos. Mansfield Piano Co. No. 152,096; Feb. 14.
- Picture-card art novelties. Cincinnati Art Publishing Company. No. 152,022; Feb. 14.
- Pillows, Feather. R. C. Heller Company. No. 151,805; Feb. 14.
- Pills, Cathartic. P. O. Nutt. No. 151,891; Feb. 14.
- Pins, Straight and safety. Plume & Atwood Mfg. Company. No. 151,910; Feb. 14.
- Phonograph cabinets. A. Culp. No. 151,725; Feb. 14.
- Phonograph motors, Electrical. Efficiency Electric Corporation. No. 151,743; Feb. 14.
- Phonograph records, Brushes for. Columbia Graphophone Manufacturing Company. No. 152,023; Feb. 14.
- Photo engraving subjects, Pamphlets, leaflets, and circulars for. Lima Photo-Engraving Co. No. 151,847; Feb. 14.
- Photographs for advertising purposes, Gummed. Braxington Photo System Inc. No. 152,020; Feb. 14.
- Playing balls, toys, leg guards, gloves, all made of rubber sponge. Sorbo Rubber-Sponge Products. No. 151,954; Feb. 14.
- Polish, Shoe. N. Piccoli. No. 151,907; Feb. 14.
- Polish, Stove. Kitchen Products Co. No. 151,832; Feb. 14.
- Polishes, kid cleaners, and leather dressings, Shoe. Pan-rex Manufacturing Co. No. 151,897; Feb. 14.
- Potatoes, onions, apples, etc., in their natural state. A. Rosenblum. No. 151,928; Feb. 14.
- Popcorn. E. D. Bradshaw. No. 151,684; Feb. 14.
- Poultry, Dressed. Missouri Egg & Poultry Company. No. 151,878-9; Feb. 14.
- Poultry, eggs, and baby chicks, Live. American Poultry Farms. No. 151,659; Feb. 14.
- Powder for general household cleaning purposes. J. N. Hoyt. No. 151,811; Feb. 14.
- Preparation for eye brows and lashes. A. T. Wilson. No. 152,068; Feb. 14.
- Preparation for the treatment of asthma. A. J. Pater. No. 151,901; Feb. 14.
- Preparations for distoma. Chinoín gyógyszer és vegyszeti termékek gyára r. t. (Dr. Kereszty és Dr. Wolf). No. 151,711; Feb. 14.
- Publication, Monthly. Central Bond & Mortgage Co. No. 152,021; Feb. 14.
- Publication, Monthly magazine. Magazine Corporation. No. 151,859; Feb. 14.
- Publication, Page or department in a daily. Commercial Newspaper Company. No. 151,717; Feb. 14.
- Publication, Weekly. Kensington Bulletin. No. 151,691; Feb. 14.
- Publication, Weekly. W. M. Walsh. No. 151,997; Feb. 14.
- Publications or scientific news bulletins. Science Service, Incorporated. No. 152,041; Feb. 14.
- Razor strops. Illinois Razor Strop Company. Nos. 151,814-15; Feb. 14.
- Remedy for coughs and whooping coughs, colds, &c., Sirup. J. R. Angell. No. 151,664; Feb. 14.
- Remedy for treatment of rheumatism. M. J. Kvidera. No. 151,834; Feb. 14.
- Ribbons and carbon sheets, Inked. Columbia Carbon Company. No. 151,716; Feb. 14.
- Ribbons and carbon sheets, Inked. A. M. Heck. No. 151,802; Feb. 14.
- Romper, Child's. Cole-Granias-Enderlin Company. No. 151,714; Feb. 14.
- Rope, cord, and twine. American Manufacturing Company. No. 151,045; Feb. 14.
- Rubber patches. Cord Interwoven Patch Co. No. 151,722; Feb. 14.
- Rubber toys, Certain. Toycraft Rubber Co. No. 151,981; Feb. 14.
- Rubberized top fabric. Bridgeport Coach Lace Co. No. 152,050; Feb. 14.
- Rudlings and platings for neckwear and trimmings. G. Sidenberg & Co. No. 151,944; Feb. 14.
- Salve for wounded, sore, or galled horses. H. D. Fenton. No. 151,756; Feb. 14.
- Sausage. Swift and Company. No. 151,968; Feb. 14.
- Sausage, potted meats, corned-beef hash, and cereals. Jacob E. Decker & Sons. No. 151,733; Feb. 14.
- Scouring powders and soaps. Fox River Company. No. 151,766; Feb. 14.
- Seals completely printed and ready for use on packages. F. E. Mason & Sons. No. 151,864; Feb. 14.

- Seasonings for soups, consommé, sauces, etc. Maggi Co. No. 151,860; Feb. 14.
- Shades, Window. Paris Manufacturing Company. No. 151,899; Feb. 14.
- Shirts, Men's silk dress. A. Chanovitz. No. 151,707; Feb. 14.
- Shirts, Outer. Katz & Davidson. No. 152,088; Feb. 14.
- Shirting material. Cooper, Choate & Casey Dry Goods Co. No. 152,054; Feb. 14.
- Shoe laces. Hutmacher Braiding Company. Nos. 151,812-13; Feb. 14.
- Shoes. B. I. J. Stam. No. 151,956; Feb. 14.
- Shoes, boys' fabric and leather. E. Byrnes. No. 151,696; Feb. 14.
- Shoes, Leather. Graham-Bumgarner Company. No. 152,069; Feb. 14.
- Shoes, Leather. Hoerr-Adam Shoe Company. No. 152,027; Feb. 14.
- Shoe and leather dressing. Whittemore Brothers Corporation. No. 152,006; Feb. 14.
- Shock absorbers for motor vehicles. H. L. G. Manufacturing Company. No. 151,807; Feb. 14.
- Shoes for children, made of leather. Sanger Brothers, Inc. No. 151,935; Feb. 14.
- Shoes of leather, Boys'. Brown Shoe Company. No. 151,689; Feb. 14.
- Shoes, slippers, and moccasins, Leather. M. B. Lingenfelder Co. No. 151,848; Feb. 14.
- Signs. Aultman, Inc. No. 151,668; Feb. 14.
- Silks, velvets, satins, plushes, cords, and ribbons. A. Herzog. No. 20,717; renewed Feb. 16, 1922.
- Silos. Gebrüder Bühler. No. 151,690; Feb. 14.
- Silver-plated flat and hollow ware. Simeon L. & George H. Rogers Company. No. 151,931; Feb. 14.
- Sirup used in baking, etc., Barley-malt. Pfeiffer Bros. No. 151,905; Feb. 14.
- Sirups and flavorings and beverages made therefrom, nonalcoholic noncereal maltless. McDaniel Drug Company. No. 151,866; Feb. 14.
- Soap. Bauer & Black. No. 151,670; Feb. 14.
- Soap. H. G. Dahl. No. 151,730; Feb. 14.
- Soap. Fitzpatrick Bros. No. 151,758; Feb. 14.
- Soap. Globe Soap Company. No. 151,775; Feb. 14.
- Soap. Los Angeles Soap Co. No. 152,091; Feb. 14.
- Soap. Michigan Specialty Co. No. 151,870; Feb. 14.
- Soap. Western Soap Company. No. 152,003; Feb. 14.
- Soap for hair and skin. Frances Fox Laboratories, Incorporated. No. 151,768; Feb. 14.
- Soap, Laundry. Los Angeles Soap Co. No. 151,854; Feb. 14.
- Soap, Laundry. C. T. Perry & Company. No. 151,904; Feb. 14.
- Soap, soap powder, etc. United Turkey Red Company. No. 151,988; Feb. 14.
- Soap, Toilet. Los Angeles Soap Co. Nos. 151,852-3; Feb. 14.
- Soap, Toilet. A. Schwab. No. 151,939; Feb. 14.
- Soaps. Fitzpatrick Bros. No. 151,757; Feb. 14.
- Soaps. Fitzpatrick Bros. No. 151,759; Feb. 14.
- Soaps. Pioneer Tar Soap Company. No. 151,909; Feb. 14.
- Soaps, and leather-dressings and metal-polish. Sherwin-Williams Company. No. 151,946; Feb. 14.
- Soaps, Toilet. F. N. Lewis. No. 151,843; Feb. 14.
- Soling material, Composition. Marathon Tire & Rubber Company. No. 151,862; Feb. 14.
- Sporting goods, Certain. Thomson-Diggs Company. No. 151,973; Feb. 14.
- Springs, mattresses, pillows, Certain. J. H. Jones. No. 151,823; Feb. 14.
- Springs, Vehicle. F. V. Cooke. No. 151,719; Feb. 14.
- Spool cotton. Clark Thread Company. No. 20,616; renewed Jan. 19, 1922.
- Spray to be used for relief of hay fever. Needham Products Co. No. 152,100; Feb. 14.
- Steel. Ludlum Steel Company. Nos. 152,092-3; Feb. 14.
- Steels, Tool. Carpenter Steel Company. Nos. 151,702-3; Feb. 14.
- Sterotyping and electroplating, Matrix or dry mat used in. W. B. Wheeler Corporation. No. 152,005; Feb. 14.
- Sugar used for food purposes, Concentrated extract of malt. H. B. Fagan. No. 151,752; Feb. 14.
- Sugar preparation for making sherbet, ices, cake frosting. Smile Co. No. 151,952; Feb. 14.
- Suits, trousers, raincoats, etc., Men's and boys'. I. Frank. No. 151,767; Feb. 14.
- Sutures and ligatures. W. D. Young Company. No. 152,086; Feb. 14.
- Sirup, Table. American Sugar Products Corp. No. 151,660; Feb. 14.
- Sweaters, jerseys, and baseball suits. A. G. Spalding & Bros. No. 151,960; Feb. 14.
- Sweaters, sweater coats. Baynton Mills. No. 151,671; Feb. 14.
- Taffy and chocolate marshmallows, Peanut and other. G. D. Hammerbacher. No. 151,792; Feb. 14.
- Tea. C. H. Kroneberger & Co. No. 151,836; Feb. 14.
- Tea and coffee. American Grocers Society, Inc. No. 151,658; Feb. 14.
- Tea and coffee. J. A. Folger & Co. No. 151,761; Feb. 14.
- Textile fabrics and piece goods, hair nets, lace curtains. Broadway Bargain House. No. 152,051; Feb. 14.
- Thread, Cotton. Clark Thread Company. No. 20,528; renewed Dec. 29, 1921.
- Thread, Cotton. Clark Thread Company. Nos. 20,608-9; renewed Jan. 19, 1922.
- Tile and porcelain cleanser. Grady Mfg. Co. No. 151,781; Feb. 14.
- Tillers. Scientific Farming Machinery Company. No. 151,940; Feb. 14.
- Tin plates. Teilo Tin-Plate Co. Nos. 19,804-6; renewed June 30, 1921.
- Tire casings, Pneumatic. Star Rubber Company. No. 151,962; Feb. 14.
- Tire casings, Rubber. Gillette Rubber Co. No. 151,773; Feb. 14.
- Tire repair material for rubber tires. Fisk Rubber Company. No. 152,064; Feb. 14.
- Tires, Rubber. United States Tire Company. No. 151,987; Feb. 14.
- Tires and inner tubes. Black Hawk Tire & Rubber Company. No. 151,678; Feb. 14.
- Tires and tubes, Rubber. Dayton Rubber Manufacturing Co. No. 151,732; Feb. 14.
- Tires and tubes therefor, Elastic vehicle. The Goodyear Tire & Rubber Company. No. 151,779; Feb. 14.
- Tires, tubes, and repair parts thereof, Certain. Ashland Tire and Rubber Company. No. 151,666; Feb. 14.
- Tires, tubes, patches, etc., Certain. General Tire & Rubber Co. No. 152,068; Feb. 14.
- Toilet, chemical, and medicinal preparations, Certain. Larkin Co. No. 152,090; Feb. 14.
- Tonic, Blood and liver. A. B. Woodward Medicine Company. No. 152,010; Feb. 14.
- Tooth paste. Pyorr-Laris Company. No. 151,918; Feb. 14.
- Tooth polishes used by dentists. L. D. Caulk Company. No. 152,052; Feb. 14.
- Toys, particularly toy figures whittled out of wood, etc. K. W. Vidor. No. 151,991; Feb. 14.
- Trucks, Motor. Power Truck and Tractor Company. No. 151,914; Feb. 14.
- Typewriter carbon-paper and ribbons. Quest Manufacturing Company. No. 151,920; Feb. 14.
- Undergarments, One-piece women's textile fabric. C. L. Motta. No. 151,883; Feb. 14.
- Underwear for women and misses, Woven silk. Cupid Underwear Company. No. 151,726; Feb. 14.
- Union suits and pyjamas, Children's textile-fabric. Thanhouser & Weiller. No. 151,972; Feb. 14.
- Union suits, vests, and drawers. Vassar Swiss Underwear Co. No. 151,990; Feb. 14.
- Urn bags or woven tea containers and connected spout hoods. G. H. Stockman, Jr. No. 151,965; Feb. 14.
- Vanilla flavor and extract, lemon extracts. G. U. Lipshulch. No. 151,849; Feb. 14.
- Vegetables. I. H. New. No. 151,886; Feb. 14.
- Vehicle axles and gear-casing constructions therefor, Motor. Torbensen Axle Company. No. 151,975; Feb. 14.
- Vehicle springs. Detroit Steel Products Company. No. 152,059; Feb. 14.
- Vehicle springs. T. W. C. Hartmann. No. 151,795; Feb. 14.
- Vehicle-window frames. Stewart Manufacturing Corporation. No. 151,957; Feb. 14.
- Vehicles and ships' propellers, Certain horse-drawn and motor. Hadfields, Limited. No. 151,789; Feb. 14.
- Watches and parts of watches. Fabrique De Montres Selva S. A. No. 151,751; Feb. 14.
- Watches and parts of watches. Vittori & Co. Dolmy Watch Co. No. 151,993; Feb. 14.
- Watches and watch movements. J. Barfield. No. 151,669; Feb. 14.
- Waterproof cloth in the piece. Pantasote Leather Company. No. 151,898; Feb. 14.
- Waterproof dressing for automobile tops, leather, and textiles. L. E. Davis. No. 151,731; Feb. 14.
- Waterproof fabrics. Fred S. Bennett, Inc. No. 151,674; Feb. 14.
- Waterproofing composition. J. Zoltowski. No. 152,015; Feb. 14.
- Washing compound. J. J. Downey. No. 151,740; Feb. 14.
- Washing powder. Los Angeles Soap Co. No. 151,855; Feb. 14.
- Wearing apparel, Ladies'. A. E. Simpson. No. 152,046; Feb. 14.
- Wiping, polishing, and cleaning cloths. Massasoit Manufacturing Company. No. 151,865; Feb. 14.
- Yarns, twist floss, thrown silk. Frank F. Pels Company. No. 152,104; Feb. 14.
- Yeast and yeast mixtures, Compressed. Fleischmann Company. No. 151,760; Feb. 14.

ALPHABETICAL LIST OF LABELS.

- "Amasia." (For a Medicinal Preparation Aimed to Overcome the Unnatural Discharge of the Mucous Membrane.) John H. Margosian. No. 24,083; Feb. 14.
- "Amocat." (For Apricots.) West Coast Grocery Company. No. 24,114; Feb. 14.
- "Auto Spraying Oyle." (For Cans Containing Auto Spraying Oyle.) Motor Products Company. No. 24,089; Feb. 14.
- "B. Prompt." (For Boxes Containing Collection and Good Will Labels.) Milwaukee Label & Seal Co. No. 24,086; Feb. 14.
- "Baby Bunting." (For Toilet Powder.) Gordon-Thorne Co. No. 24,065; Feb. 14.
- "Blue Flag Timer." (For Cartons Containing Timers Designed Particularly for Ford Cars, Tractors, and Trucks.) Chicago Timer Factory, Incorporated. No. 24,044; Feb. 14.
- "Bond Soup." (For Sealed Cans Containing Soup of Various Kinds.) General Preserve Company, The. No. 24,064; Feb. 14.
- "Buss Fuses." (For Electrical Plug Fuses.) Bussmann Manufacturing Company. No. 24,038; Feb. 14.
- "Butterrolls." (For Rolls.) L. A. Daniels. No. 24,048; Feb. 14.
- "Candy Pops." (For Candied Pop Corn, Fruit, or Nuts.) International Corn Products Corporation. No. 24,071; Feb. 14.
- "Carlox Perfected Hair Curlers." (For Hair Curlers.) Boyd-Brenizer Corporation. No. 24,036; Feb. 14.
- "Cash & Carry Brand 1 Sweet Corn 1 Fancy Quality." (For Canned Sweet Corn.) The Novak Grocery Company. No. 24,093; Feb. 14.
- "Cash & Carry Brand 2 Sweet Corn 2 Extra Standard Quality." (For Canned Sweet Corn.) Novak Grocery Company. No. 24,092; Feb. 14.
- "Cash & Carry Brand 3 Sweet Corn 3 Standard Quality." (For Canned Sweet Corn.) The Novak Grocery Company. No. 24,094; Feb. 14.
- "Cherry-San Chocolates." (For Boxes Containing Chocolate Candy.) Milwaukee Paper Box Company. No. 24,088; Feb. 14.
- "Cherryfair." (For Candy.) Val. Blatz Jr. Candy Co. No. 24,033; Feb. 14.
- "Chinese Maid." (For Noodles.) Tri-Star Noodle Factory. No. 24,109; Feb. 14.
- "Columbia Gorge." (For Royal Anne Cherries.) Hood River Canning Co. No. 24,068; Feb. 14.
- "Crescent Farm." (For Unsweetened Evaporated Milk.) Crescent Company. No. 24,047; Feb. 14.
- "Dale's Sweet Scrap." (For Tobacco.) Clark & Snover Co. No. 24,045; Feb. 14.
- "Danish Butter." (For Creamery Butter Imported from Denmark.) George Maden. No. 24,082; Feb. 14.
- "De-Pa-Co Best Quality Paint." (For Packages and Containers for Paints.) Debevoise Company. No. 24,054; Feb. 14.
- "De-Pa-Co Concote." (For Packages and Containers for Paints.) Debevoise Company. No. 24,049; Feb. 14.
- "De-Pa-Co Flat Finish." (For Packages and Containers for Paints.) Debevoise Company. No. 24,050; Feb. 14.
- "De-Pa-Co Luxe Enamel." (For Packages and Containers for Paints.) Debevoise Company. No. 24,055; Feb. 14.
- "De-Pa-Co Mill White Paint." (For Packages and Containers for Paints.) Debevoise Company. No. 24,052; Feb. 14.
- "De-Pa-Co Servicecoat Enamel." (For Packages and Containers for Paints.) Debevoise Company. No. 24,053; Feb. 14.
- "Deroka Metal Paint." (For Packages and Containers for Paints.) Debevoise Company. No. 24,051; Feb. 14.
- "Dexter's Aunt Mary's Bread." (For Bread.) Dexter Baking Company, The. No. 24,057; Feb. 14.
- "Dip-It." (For Cartons Containing Dip-It.) Peel Chemical Corporation. No. 24,097; Feb. 14.
- "Edelweiss." (For Limburger Cheese.) Purity Cream Cheese Co. No. 24,100; Feb. 14.
- "El Perfection." (For Cigars.) Stephen S. Kempf. No. 24,073; Feb. 14.
- "Elaine Chocolates." (For Boxes Containing Chocolate Candy.) Milwaukee Paper Box Company. No. 24,087; Feb. 14.
- "Elaine's Sweet Milk Chocolate." (For Milk Chocolate.) Elaine's Incorporated. No. 24,061; Feb. 14.
- "Everybody's Bread." (For Loaves of Bread.) Des Moines Bakery Co. No. 24,056; Feb. 14.
- "Forest Maid." (For Receptacles Containing Salt.) Ohio Salt Company, The. No. 24,095; Feb. 14.
- "Frutchey Silk Shop." (For Silk Fabrics in the Piece.) W. J. R. Frutchey & Co. No. 24,062; Feb. 14.
- "Golden Glow." (For Hand Selected Sweet Potatoes.) Southern Sweet Potato Exchange. No. 24,107; Feb. 14.
- "Grandma's Cake." (For Cake.) Lantz Bros. Baking Co. No. 24,076; Feb. 14.
- "Green Valley Creamery Butter." (For Butter.) Bridgeman-Russell Co. No. 24,037; Feb. 14.
- "Heidelberger Philymade Sweets." (For Candies.) Heidelberger Confectionery Co. No. 24,067; Feb. 14.
- "Hi-Hi Broad Leaf." (For Cigars.) Charles A. Naylor. No. 24,090; Feb. 14.
- "Horse-Radish." (For Horse-Radish.) Lantz Bros. B. Co. No. 24,078; Feb. 14.
- "Horse-Radish Mustard." (For Horse-Radish Mustard.) Lantz Bros. B. Co. No. 24,077; Feb. 14.
- "Humpty Dumpty." (For Candies—Namely, Kiddie Junior Candies.) Candy Craft, Inc. No. 24,040; Feb. 14.
- "Jack and Jill." (For Candies—Namely, Kiddie Junior Candies.) Candy Craft, Inc. No. 24,113; Feb. 14.
- "Jewel Loaf." (For Loaves of Bread.) Chas. E. Patton. No. 24,096; Feb. 14.
- "Jim Hill." (For Fresh Apples.) Wenatchee District Co-Operative Association. No. 24,113; Feb. 14.
- "J. I. Triplett's Champion." (For Wheat Flour.) J. I. Triplett. No. 24,108; Feb. 14.
- "Key West Repeater." (For Cigars.) Watkins and Kemp Cigar Company. No. 24,112; Feb. 14.
- "Krank's Skin-Health Face Powder." (For Boxes Containing Face Powder.) Alfred J. Krank. No. 24,074; Feb. 14.
- "Laxo." (For Bottles or Containers of a Natural Laxative Water.) Guaranteed Products Company. No. 24,066; Feb. 14.
- "Lighthouse Malt Sirup." (For Malt Extracts.) A. Wielich. No. 24,115; Feb. 14.
- "Little Joe." (For Sweet Potatoes.) Pittsburg Storage Company. No. 24,098; Feb. 14.
- "Lofa." (For Bread.) H. V. Walters. No. 24,111; Feb. 14.
- "Ludlow Twine." (For Boxes Containing Balls of Twine.) Ludlow Manufacturing Association. No. 24,081; Feb. 14.
- "Malloot." (For Package Containing Biscuits.) Horlick Malloot Products Co. No. 24,069; Feb. 14.
- "Mid States Brand." (For Rolled Oats.) Mid-States Wholesale Grocers. No. 24,085; Feb. 14.
- "Miracle the World's Greatest Cleaner." (For a Washing Compound.) Columbia Products Company. No. 24,046; Feb. 14.
- "Mon-Cheri." (For Candy.) Kellogg Sugar Products Co. No. 24,072; Feb. 14.
- "Mountain Brand." (For Fresh Apples.) Baker & Coe. No. 24,031; Feb. 14.
- "Natural Foods of California' Carqu6." (For Black Mission Figs.) Carqu6 Pure Food Company. No. 24,043; Feb. 14.
- "No Joke." (For Oranges.) Philip J. Langford. No. 24,075; Feb. 14.
- "Northrup, King & Co. Seed Corn." (For Bags of Seed Corn.) Northrup, King & Co. No. 24,091; Feb. 14.
- "Pepsin and Rhubarb Bosque." (For a Remedy for Dyspepsia and Indigestion.) A. C. Bosque. No. 24,035; Feb. 14.
- "Pepsina y Ruibarbo Bosque." (For a Remedy for Dyspepsia and Indigestion.) A. C. Bosque. No. 24,034; Feb. 14.
- "Pepsol." (For Receptacles Containing Tooth Paste.) J. J. Blackman. No. 24,032; Feb. 14.
- "Research Brand." (For Parking Lamps.) Research Club Inc. No. 24,101; Feb. 14.
- "Revelation." (For Cantaloupes.) John A. Eck Co. No. 24,058; Feb. 14.
- "Revelation." (For Apples.) John A. Eck Co. No. 24,059; Feb. 14.
- "Rich's Gelatin Wine Jelly." (For Gelatine.) E. C. Rich. Inc. No. 24,102; Feb. 14.
- "Royal Taste." (For Coffee.) Sibley-Almy Co. No. 24,106; Feb. 14.
- "Sanapure." (For Cartons Containing Butter.) Menasha Printing and Carton Company. No. 24,084; Feb. 14.
- "Spickanbrite No. 1 Spik Cleaner." (For a Cleaner for Varnished or Enameled Surfaces.) Lincoln Chemical Company. No. 24,080; Feb. 14.
- "Spickanbrite No. 2 Brite Polish." (For a Polish for Varnished or Enameled Surfaces.) Lincoln Chemical Company. No. 24,079; Feb. 14.
- "The Caltex Company Rhino Textile Products." (For Artificial Leather.) Caltex Company. No. 24,039; Feb. 14.
- "The Dunbar Special." (For Cigar Boxes and Cans.) Richard E. Edwards. No. 24,060; Feb. 14.
- "The Lucille Dress." (For Children's Dresses.) J. Plymack. No. 24,099; Feb. 14.
- "The Original J. G. Standard Hair Net." (For Hair Nets.) Julius Gelb. No. 24,063; Feb. 14.
- "Tinkles the Clown." (For Candies—Namely, Kiddie Junior Candies.) Candy Craft, Inc. No. 24,041; Feb. 14.

"Tip Top." (For a Breakfast Food.) International Corn Products Corporation. No. 24,070; Feb. 14.
 "Triumph." (For Canned Crab Meat.) Sale & Frazar, Ltd. No. 24,104; Feb. 14.
 "Venus Rubber Bands." (For Boxes for Shipping Rubber Bands.) American Lead Pencil Company. No. 24,030; Feb. 14.

"Vermont Style Syrup." (For a Sirup Composed of 75% Cane-Sugar Sirup and 25% Maple Sirup.) Robb-Ross Co. No. 24,103; Feb. 14.
 "Vis-Lax." (For Laxative Tablets.) A. P. Viscardi. No. 24,110; Feb. 14.
 "'Vogue' Hair Net." (For Hair Nets.) Seidner & Hitzgrath. No. 24,105; Feb. 14.

ALPHABETICAL LIST OF PRINTS.

"A Free Book." (For Advertising Purposes for Jell-O, a Dessert Preparation.) Genesee Pure Food Company. The. No. 5,958; Feb. 14.
 "Advance Modulimeter Tested." (For Advertising Purposes for Washers and Gaskets.) Widney Company. No. 5,980; Feb. 14.
 "Blue Flag Timer." (For Advertising Purposes for a Timer Designed Particularly for Ford Cars, Tractors, and Trucks.) Chicago Timer Factory Inc. No. 5,952; Feb. 14.
 "Bringing Home the Bakin'." (For Advertising Purposes for Federal Bread.) Federal System of Bakeries of America. No. 5,957; Feb. 14.
 "Carmote the Perfect Floor Varnish Stands Hard Knocks." (For Advertising Purposes for Carmote Varnish.) Carpenter-Morton Co. No. 5,951; Feb. 14.
 "Crane's Baltimore Ice Cream." (For Advertising Purposes for Ice Cream.) Crane Ice Cream Company. No. 5,955; Feb. 14.
 "Double Knot Salmon Gill Netting." (For Advertising Purposes for Threads and Netting.) Linen Thread Company. No. 5,968; Feb. 14.
 "Drink Coca-Cola." (For Advertising Purposes for Coca-Cola.) Coca-Cola Company, The. Nos. 5,953-4; Feb. 14.
 "Envelope Calendar." (For Advertising Purposes for Envelopes.) Bourke-Rice Envelope Company. No. 5,949; Feb. 14.
 "Get him a box for Christmas." (For Advertising Purposes for Hosiery.) Interwoven Stocking Company, The. No. 5,964; Feb. 14.
 "Glacier Trail." (For Advertising Purposes for Road Markers.) F. C. Thornton. No. 5,979; Feb. 14.
 "Golden Nugget Fudge." (For Advertising Purposes for Fudge.) A. Olsen, Jr. No. 5,974; Feb. 14.
 "Interwoven Socks Light Weight Ribbed Wools." (For Advertising Purposes for Hosiery.) Interwoven Stocking Company. No. 5,963; Feb. 14.
 "Kept Clean with Gold Dust." (For Advertising Purposes for Gold Dust Washing Powder.) N. K. Fairbank Company, The. No. 5,956; Feb. 14.
 "Manischewitz Matzos." (For Advertising Purposes for Matzos.) B. Manischewitz Company. No. 5,970; Feb. 14.

"Mrs. Graf's Home Made Candies." (For Advertising Purposes for Candy.) Milwaukee Paper Box Company. No. 5,973; Feb. 14.
 "Na-Wa-Co." (For Advertising Purposes for a Powder for Sweaty Feet.) C. A. Lieberman. No. 5,967; Feb. 14.
 "Philipsborn's Lite and Fluff." (For Advertising Purposes for Marabou and Ostrich Ornaments.) Philipsborn's, Inc. No. 5,975; Feb. 14.
 "Pigdie Pantie-Frock." (For Advertising Purposes for Children's Clothing.) Brohman Company. No. 5,950; Feb. 14.
 "Protect Your Feet." (For Advertising Purposes for Alzo Foot Powder or a Preparation for the Feet.) Alfred M. Krounberger. No. 5,966; Feb. 14.
 "Republic Rapid Transit." (For Advertising Purposes for Motor Trucks and Parts Thereof.) Republic Motor Truck Co. Nos. 5,976-8; Feb. 14.
 "Silver Buckle Raisins." (For Advertising Purposes for Raisins.) Milwaukee Paper Box Co. No. 5,972; Feb. 14.
 "Taking Industry Out of the Shadow of the Pen." (For Advertising Purposes for Bookkeeping Machines.) Harry C. Michaels Co. No. 5,971; Feb. 14.
 "The Graphic Duplicator." (For Advertising Purposes for Duplicating Machines.) David Hyams. No. 5,960; Feb. 14.
 "The Mission Scene." (For Advertising Purposes for Jell-O, a Dessert Preparation.) Genesee Pure Food Company, The. No. 5,959; Feb. 14.
 "The New 1922 Five Passenger Haynes 55 Sedan." (For Advertising Purposes for Automobiles.) Haynes Automobile Company, The. No. 5,962; Feb. 14.
 "The New 1922 Five Passenger Haynes 75 Brougham." (For Advertising Purposes for Automobiles.) Haynes Automobile Company, The. No. 5,961; Feb. 14.
 "The Pencil with a Mission." (For Advertising Purposes for Pencils.) Listo Pencil Company. No. 5,969; Feb. 14.
 "Thomas A. Jenkins Glass Ventilators." (For Advertising Purposes for Glass Ventilators.) Thomas A. Jenkins. No. 5,965; Feb. 14.

ALPHABETICAL LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abdominal bandages and supporters. E. J. Fayart. No. 152,746; Feb. 14.
 Agricultural implements. Cleveland Tractor Company. No. 151,466; Feb. 14.
 Aluminum ware. Illinois Pure Aluminum Co. No. 151,273; Feb. 14.
 Aluminum ware, hollow. George Borgfeldt & Co. No. 152,978; Feb. 14.
 Automobile steering mechanism, Locks for. Karlok Manufacturing Company. No. 150,903; Feb. 14.
 Bakery products. Sun Lite Bakeries System, Inc. No. 140,851; Feb. 14.
 Baking powder and soda. Wabash Baking Powder Company. No. 155,203; Feb. 14.
 Ball returns, Bowling alley. Brunswick-Balke-Collender Company. No. 157,407; Feb. 14.
 Bank, Portable savings. J. H. Greer. No. 141,623; Feb. 14.
 Batteries, Electric. Magno Storage Battery Co. No. 159,083; Feb. 14.
 Beverages, Malt extracts for use in making nonalcoholic. S. L. Goldman. No. 152,252; Feb. 14.
 Blankets, Textile hospital. J. W. Fillman. No. 153,504; Feb. 14.
 Books, Expense-account. H. B. Goodman. No. 155,614; Feb. 14.
 Boots and shoes of leather and combinations of leather and fabric. Ault-Williamson Shoe Co. No. 154,547; Feb. 14.
 Bread. W. B. Siegrist. No. 151,851; Feb. 14.
 Brushes, Milling-machinery. Gebrüder Bühler. No. 151,819; Feb. 14.
 Brushes, Shaving. American Safety Razor Corporation. No. 156,816; Feb. 14.
 Cake. United Bakeries Corporation. No. 148,464; Feb. 14.

Cake, pastry, biscuits, etc. General Baking Company. No. 145,893; Feb. 14.
 Canned fruits and vegetables. G. D. Milligan Grocer Co. No. 153,150; Feb. 14.
 Canned fruits, vegetables, and fish and teas. E. C. Harley Company. No. 141,109; Feb. 14.
 Canned goods, dried fruits and vegetables, etc. No. 157,211; Feb. 14.
 Canned salmon. G. P. Halferty. No. 150,676; Feb. 14.
 Caps, Men's. David D. Doniger & Co. Inc. No. 150,593; Feb. 14.
 Carbonated and lithiated water, ginger ale, etc. Ritz Carlton Mineral Water Co. No. 156,414; Feb. 14.
 Cash registers, and parts thereof. Remington Arms Company. Nos. 148,553-4; Feb. 14.
 Check books, bank, and savings-bank books, and checks, drafts, bills, and notes. Bankers Publicity Company. No. 157,650; Feb. 14.
 Cheese. Coöperatieve Zuivel-Export-Vereeniging "Noord-Holland." Nos. 146,367-8; Feb. 14.
 Cheeses, spaghetti, broths, soups, etc. A. Silz, Inc. No. 150,981; Feb. 14.
 Chocolate confectionery. G. J. Johnson. No. 152,169; Feb. 14.
 Cigarettes. F. W. Pinkus. No. 143,831; Feb. 14.
 Cigars. N. A. Crickelas. No. 154,864; Feb. 14.
 Cigars. Heineman Bros. No. 156,491; Feb. 14.
 Cigars, cigarettes, cheroots, snuff, and manufactured smoking and chewing tobacco. United Cigar Stores Company of America. No. 154,625; Feb. 14.
 Coffee. National Paper Can Company. No. 153,102; Feb. 14.
 Coffee substitute. Dellisco Corporation, Limited. No. 142,752; Feb. 14.
 Colors and tints in dry powder form. P. W. Nelson, Inc. No. 155,232; Feb. 14.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Colors in oil, paste stains, mirror-backing paint, paint enamels, waterproofing cement paint. James B. Day & Co. No. 154,865; Feb. 14.
- Colors, prepared wax, stovepipe enamels, etc., Dry. James B. Day & Co. No. 154,794; Feb. 14.
- Cookies, crackers, cakes, biscuits. Johnson Educator Food Company. No. 141,581; Feb. 14.
- Copper, nickel, and zinc and alloys for same, Nonferrous ingots of. C. N. Choate. No. 154,726; Feb. 14.
- Cotton fabrics in the piece, Woven. G. A. Stafford. No. 138,965; Feb. 14.
- Cotton piece goods. Garner Print Works and Bleachery. Nos. 151,039-40; Feb. 14.
- Cotton suitings. Nashua Manufg. Company. No. 131,916; Feb. 14.
- Cream, Skin. Geer Drug Company. No. 120,531; Feb. 14.
- Cream, Toilet. Sem-Pray Jo-Ve-Nay Company. Nos. 153,054-5; Feb. 14.
- Cutlery. Lessmann Bros. No. 146,445; Feb. 14.
- Dairy products. G. O. Clark. No. 146,165; Feb. 14.
- Dental files and saws. S. S. White Dental Manufacturing Company. No. 135,771; Feb. 14.
- Disinfectant. Colonial Chemical Corporation. No. 154,792; Feb. 14.
- Egg caddlers. W. L. Morris. No. 153,889; Feb. 14.
- Egg preserver, Water-glass. Rutland Fire Clay Co. No. 154,997; Feb. 14.
- Eggs. A. F. Thibodeau Company. No. 147,221; Feb. 14.
- Engines. Willys - Overland Company. No. 153,632; Feb. 14.
- Envelopes, statements, bill heads, index cards, and filing folders. Hamilton Card & Paper House, Inc. No. 148,275; Feb. 14.
- Eyeglasses, temples, and eyeglass bridges and nose pieces for same. B. A. Keller. No. 151,516; Feb. 14.
- Fabrics in the piece for use in making corsets. M. Israel. No. 138,766; Feb. 14.
- Feed, Stock. Buckeye Cotton Oil Company. No. 149,679; Feb. 14.
- Files. Tacony File & Hardware Co. No. 154,712; Feb. 14.
- Filing folders, data books, article sorting and distributing folders. Work Organizer Specialties Company. No. 148,570; Feb. 14.
- Filters, Scratch. A. Shales. No. 137,186; Feb. 14.
- Filter parts, Cleaning apparatus for. Midwest Steel & Supply Company. No. 154,610; Feb. 14.
- Fire-alarm and police-signaling systems and parts thereof, Electric. Gamewell Fire Alarm Telegraph Company. No. 154,646; Feb. 14.
- First-aid outfits. Hygienic Fibre Company. No. 155,618; Feb. 14.
- Flavoring extracts for food. Garrett & Company. No. 152,621; Feb. 14.
- Flavoring extracts for food. Webb Manufacturing Company. No. 152,940; Feb. 14.
- Flour, cereals, corn meal, poultry and stock feeds, etc. Portland Flouring Mills Co. No. 149,484; Feb. 14.
- Flour, Wheat. American Hominy Company. No. 150,583; Feb. 14.
- Flour, Wheat. Colonial Export & Import Company. No. 140,636; Feb. 14.
- Flour, Wheat. Sperry Flour Company. No. 147,373; Feb. 14.
- Flour, Wheat. Twin City Gro. Co. No. 144,550; Feb. 14.
- Flour, Wheat. J. S. Waterman & Co. No. 152,111; Feb. 14.
- Forgings and castings, Drop. Twin City Forge and Foundry Company. No. 142,731; Feb. 14.
- Game. A. R. Hager. No. 154,510; Feb. 14.
- Games, Captive-ball device for playing and practice of. Craig Golfmeter Co. No. 155,666; Feb. 14.
- Gasoline. Tulsa Oil Products Co. No. 156,421; Feb. 14.
- Gems, Imitation. L. J. Rinaldo. No. 143,141; Feb. 14.
- Golf balls and clubs. H. Nalty. No. 156,970; Feb. 14.
- Hair nets. Hazel Net Company. Nos. 155,753-4; Feb. 14.
- Hair nets. Sitroux Importing Company. Nos. 155,781-3; Feb. 14.
- Hair nets. Sitroux Importing Company. Nos. 155,787-8; Feb. 14.
- Hair nets, Human-. Metropolitan Hair Goods Co. No. 155,625; Feb. 14.
- Hair tonic. M. A. B. Dishmond. No. 154,964; Feb. 14.
- Hair tonic. C. E. Hoffman Company. No. 153,845; Feb. 14.
- Hams, shoulders, picnics, bacon, lard, etc., Smoked. John Merrell & Company. No. 147,363; Feb. 14.
- Insecticides, bactericides, disinfectants, and fungicides for plants. Bobwhite Chemical Corporation. No. 154,916; Feb. 14.
- Insulation, matter for electrical insulators, etc., Material for. Electro Manufacturing Company. No. 145,886; Feb. 14.
- Jacks and parts thereof, Lifting. Yellow Jack-It Mfg. Co. No. 151,501; Feb. 14.
- Jellies. L. F. Blum. No. 127,887; Feb. 14.
- Key rings, key chains, headed canes, umbrella handles, and thimbles. Simon Bros. Company. No. 154,069; Feb. 14.
- Knitted and woven woolen and worsted cloths, Jersey cloth, etc. Continental Mills, Inc. No. 155,805; Feb. 14.
- Knives, forks, spoons, etc. Mappin & Webb Limited. No. 151,281; Feb. 14.
- Laboratory apparatus. L. D. Rogers. No. 155,367; Feb. 14.
- Lenses, Ophthalmic. Onepiece Bifocal Lens Company. No. 153,152; Feb. 14.
- Levels, bevels, squares, and cutting gauges, marking gauges, and mortise gauges. Henry Disston & Sons, Incorporated. No. 154,584; Feb. 14.
- Liquid preparation taken internally as an alternative. Robert C. White, Inc. No. 155,206; Feb. 14.
- Locomotive and tractors, Electric. Koppel Industrial Car & Equipment Company. No. 132,391; Feb. 14.
- Lotion, Complexion. Frederick F. Ingram Company. No. 155,097; Feb. 14.
- Lubricants, Keystone Lubricating Company. No. 152,759; Feb. 14.
- Machinery, Thread guides for textile. Mitchell-Bissell Company. No. 153,946; Feb. 14.
- Machinery, Thread guides for textile. Mitchell-Bissell Company. No. 153,986; Feb. 14.
- Marking tools. Jas. H. Matthews & Co. No. 144,532; Feb. 14.
- Malt extracts. A. Wielich. No. 140,976; Feb. 14.
- Mayonnaise. B. Alperin. No. 151,073; Feb. 14.
- Meal, Cotton-seed. Ashcraft-Wilkinson Company. No. 149,618; Feb. 14.
- Meat extracts. A. Endres. No. 150,856; Feb. 14.
- Medicated preparation for dyspepsia, nausea, etc. Thatcher-Clore Drug Co. No. 136,048; Feb. 14.
- Medicinal preparation for asthma. Bitzer and Rommel. No. 128,590; Feb. 14.
- Medicine, Antiseptic. F. W. Schoppenhorst. No. 150,938; Feb. 14.
- Medicine for asthma. Templeton's Limited. No. 146,278; Feb. 14.
- Medicine for relief of pain after an extraction. S. Abowitch. No. 137,992; Feb. 14.
- Medicine in tablet form. C. F. Wyckoff. No. 155,075; Feb. 14.
- Metal plates and sheets, Ferrous. Follansbec Brothers Company. No. 151,038; Feb. 14.
- Metal products, consisting of funnels, strainers, commodes, foot tubs, pans, basins, etc. Atlantic Stamping Company. No. 155,039; Feb. 14.
- Milk, butter, ice cream, etc., Sweet, powdered, and condensed. Nissley Creamery Company. No. 135,820; Feb. 14.
- Milk products. De Danske Mejeriforeningers Maelke-Export. No. 149,173; Feb. 14.
- Milk, Sour. Dr. Spieker's Bulgarian Yoghurt Corporation. No. 146,599; Feb. 14.
- Milk to be used as a milk beverage and milk food beverage, Fermented. Fairchild Bros. & Foster. No. 151,511; Feb. 14.
- Molasses. Dunbar Molasses & Syrup Co. No. 146,416; Feb. 14.
- Mop wringers. Van Arnam Manufacturing Company. No. 152,222; Feb. 14.
- Mouth wash. Bowman Drug Co. No. 155,213; Feb. 14.
- Oil engines. Diamond Iron Works. No. 123,475; Feb. 14.
- Oil, Lubricating. Gilmore Petroleum Company. Nos. 155,680-1; Feb. 14.
- Oil, Lubricating. Oklahoma Producing and Refining Corporation of America. No. 157,632; Feb. 14.
- Oil, Salad. M. Heller. Nos. 153,038-9; Feb. 14.
- Oils and greases, gasoline, Lubricating. Red "C" Oil Manufacturing Co. No. 127,261; Feb. 14.
- Oils and greases, Lubricating. A. W. Harris Oil Company. No. 155,558; Feb. 14.
- Oils and greases, Lubricating. Mason City Oil & Grease Company. No. 151,839; Feb. 14.
- Oils, Liquid-fuel. Northwestern Oil Company. No. 156,335; Feb. 14.
- Oils, Lubricating. United Oil Company, The. No. 157,347; Feb. 14.
- Oils, Lubricating. Victor Oil Company. No. 129,916; Feb. 14.
- Oleomargarine. W. J. Haerberlein. No. 141,634; Feb. 14.
- Organs, automatic organs, orchestrions. M. Welte & Sons. No. 108,762; Feb. 14.
- Overalls, coats, jumpers, and work shirts. Winder Manufacturing Co. No. 150,788; Feb. 14.
- Paint, Black ready-mixed. Dayton Color Works Company. No. 154,128; Feb. 14.
- Paints. Arnesto Paint Co. No. 154,910; Feb. 14.
- Paints, House. Miller Wall Paper and Paint Co. No. 140,189; Feb. 14.
- Paper, Toilet. S. Walther, Inc. No. 157,594; Feb. 14.
- Papers and mailing envelopes, Writing. Whiting Paper Company. No. 157,785; Feb. 14.
- Peanuts, almonds, pecans, and filberts, Salted. H. J. Meyer. No. 148,450; Feb. 14.
- Pens, Fountain. L. Badois. No. 156,981; Feb. 14.
- Pens, Fountain. Dunn-Pen Company. No. 157,214; Feb. 14.
- Pens, Fountain. Dunn-Pen Company. No. 157,216; Feb. 14.
- Perfumes and sachet powders. Alfred Wright, Perfumer, Inc. No. 156,063; Feb. 14.
- Phonographic note disks and cylinders, etc. Polyphonwerke Aktiengesellschaft. No. 145,586; Feb. 14.
- Phonographs. J. Hirschberg Co. No. 144,524; Feb. 14.
- Pickles. Madolene Pickle Corporation. No. 152,684; Feb. 14.

ALPHABETICAL LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Picture films, Motion-. Arrow Film Corporation. Nos. 151,650-1; Feb. 14.
- Picture-projecting apparatus, Motion-. Withington-Hunting, Inc. No. 152,197; Feb. 14.
- Pictures, Motion. Arrow Film Corporation. No. 154,294; Feb. 14.
- Pipe fittings, paper hangers, valves, nuts. James D. Rawles Company. No. 139,989; Feb. 14.
- Polish, Cedar oil. G. H. Capen. No. 155,395; Feb. 14.
- Polish, Furniture. B. Benjamin. No. 155,591; Feb. 14.
- Polish, Liquid automobile. R. E. Briggs. No. 155,954; Feb. 14.
- Polishes, Automobile and furniture. Eureka Metal Polish Co. No. 135,702; Feb. 14.
- Polishing compound for varnished, etc., surfaces. J. L. Lynch. No. 153,850; Feb. 14.
- Powder, cold cream, vanishing cream, rouge, Face. Jameelah Jane Corporation. No. 155,176; Feb. 14.
- Preparation for preventing corrosion of the terminals of storage batteries. G. F. Hilton. No. 154,797; Feb. 14.
- Preparation for treatment of psoriasis and eczema. Chlorine Products Company. No. 152,462; Feb. 14.
- Preparations for treatment of piles, rickets, or St. Vitus's dance, etc. M. O. Milhoan. No. 149,859; Feb. 14.
- Press cloth for use in oil-seed presses, Reinforced. F. T. Parker. No. 143,999; Feb. 14.
- Pumping machinery, pumps, air-lift pumps, water turbines, steam engines, etc. Worthington Pump and Machinery Corporation. No. 149,607; Feb. 14.
- Razors and safety-razor blades, Strapping apparatus for. Iligo Büchner, Maschinenfabrik und Apparatebau-Anstalt Gesellschaft mit beschränkter Haftung. No. 144,891; Feb. 14.
- Razors, Safety. Gillette Safety Razor Company. No. 148,998; Feb. 14.
- Rings, cuff links, and buttons, etc., Finger. J. R. Wood & Sons. No. 138,366; Feb. 14.
- Rust solvent. Halstead Specialties Company. No. 137,223; Feb. 14.
- Salt, Dairy and table. International Salt Co. of New York. No. 151,675; Feb. 14.
- Salts in solid form for metal heat-treating baths, crucibles, and crucible furnaces. Bellis Heat Treating Company. No. 155,084; Feb. 14.
- Sanitary napkins, aprons, belts, diapers, and surgeons' rubber gloves. Ace Specialties Corp. No. 154,469; Feb. 14.
- Sedative and hypnotic. Winthrop Chemical Company. No. 155,209; Feb. 14.
- Sewing machines, their parts and attachments. Singer Manufacturing Company. No. 149,935; Feb. 14.
- Shampoo. H. H. Kuntzmann. No. 155,099; Feb. 14.
- Sheetings. Pearl Cotton Mills. No. 138,512; Feb. 14.
- Sheetings and cloths in bolts, Cotton. George W. Kavanaugh, Inc. No. 134,825; Feb. 14.
- Shoes, Infants' soft-sole. Stevens Soft Sole Shoe Co. No. 156,420; Feb. 14.
- Shoes of leather and combinations of leather and cloth. The Fair. No. 157,029; Feb. 14.
- Shoes of leather, canvas, or a combination of both materials. Degen-Lipp, Inc. No. 156,050; Feb. 14.
- Shoes of leather, rubber, and fabric. James McCreery & Company. No. 157,231; Feb. 14.
- Silk piece goods. H. R. Mallinson & Co. Nos. 155,819-20; Feb. 14.
- Sirup for use at soda-water fountains. Keystone Fruit Products Company. No. 119,892; Feb. 14.
- Sirups and a maltless nonalcoholic beverage, Flavoring. G. A. Seel. No. 151,493; Feb. 14.
- Soles of leather prepared for shoe repairing, Cut. George James Company. No. 148,888; Feb. 14.
- Sound reproducing instruments, Needles or styli for. Permanent Manufacturing Co. No. 142,766; Feb. 14.
- Spark plugs. Niles Manufacturing Company. No. 152,380; Feb. 14.
- Stair treads and door saddles. American Abrasive Metals Company. No. 152,880; Feb. 14.
- Stoneware, Acid-proof chemical. M. A. Knight. No. 154,032; Feb. 14.
- Sugar, teas, coffee, rice, cocoa, corn starch. Ragus Sugar Company. No. 151,233; Feb. 14.
- Tackle blocks. P. B. Selter. No. 150,832; Feb. 14.
- Tea. Ridenour-Baker Grocery Co. No. 152,593; Feb. 14.
- Teakettles, skillets, stew kettles, meat roasters, coffee and tea pots, etc., Aluminum. Burns Pattern & Machine Company. No. 154,719; Feb. 14.
- Rackets, Tennis. Harry C. Lee & Company. No. 157,320; Feb. 14.
- Tobacco and cigarettes. American Tobacco Company. No. 146,285; Feb. 14.
- Tobacco, cigarettes, cigars, and snuff, Smoking and chewing. "Turmac" Turkish-Macedonian Tobacco Company. No. 156,664; Feb. 14.
- Tobacco extract. Trahern Tobacco Co. No. 152,871; Feb. 14.
- Tobacco products. Rauch Cigar Company. No. 155,120; Feb. 14.
- Tonic, General medicinal. Nu-Iron Laboratory Incorporated. No. 153,561; Feb. 14.
- Tree-lighting outfits and automobile lamps, Christmas. Diamond Electrical Specialties Corporation. No. 124,514; Feb. 14.
- Velocipedes. O. W. Siebert. No. 157,184; Feb. 14.
- Wagons, Play. H. C. White Company. No. 147,142; Feb. 14.
- Walnuts in their natural state. C. E. Collins Company. No. 152,886; Feb. 14.
- Washtubs, boilers, washboards, etc. Thomson-Diggs Company. No. 148,178; Feb. 14.
- Washing machines, and parts thereof. Air-Way Electric Appliance Corporation. No. 144,704; Feb. 14.
- Water-softening apparatus. Borromite Company of America. No. 139,109; Feb. 14.
- Woolen piece goods. Forstmann & Huffmann Company. No. 155,612; Feb. 14.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 14, 1922.

NOTE.—First number=class, second number=subclass, third number=patent number.

2—	73: 1,406,692	24	237: 1,406,647	51—	268: 1,406,914	80—	40: 1,406,867	110—	64: 1,406,204	139—	48: 1,406,544
93:	1,406,795		245: 1,406,796	52—	27: 1,406,176	81—	9.5: 1,406,486		162: 1,406,952	140—	92.2: 1,406,215
98:	1,406,203	25—	99: 1,406,856	53—	1: 1,406,222		15: 1,406,740	112—	2: 1,406,266		120: 1,406,715
122:	1,406,794		121: 1,406,460		3: 1,406,814		33: 1,406,901		11: 1,406,206	141—	9: 1,406,465
145:	1,406,764		128: 1,406,577		6: 1,406,522		55: 1,406,824		65: 1,406,180		1,406,599
	1,406,862	29—	154: 1,406,578		7: 1,406,777		91: 1,406,910		252: 1,406,742		11: 1,406,773
147:	1,406,208		11: 1,406,727		7: 1,406,826		99: 1,406,467	113—	14: 1,406,631	144—	90: 1,406,470
186:	1,406,622		48: 1,406,339	54—	10: 1,406,675		111: 1,406,531		1,406,724		131: 1,406,843
4—	2: 1,406,779		80.4: 1,406,686		11: 1,406,899		119: 1,406,331	114—	49: 1,406,714		193: 1,406,552
36:	1,406,426		96: 1,406,265		31: 1,406,735		126: 1,406,408		65: 1,406,659		303: 1,406,695
38:	1,406,472		157: 1,406,693		73: 1,406,415		143: 1,406,293		235: 1,406,602	145—	34: 1,406,422
61:	1,406,737	30—	3: 1,406,750				167: 1,406,755	116—	33: 1,406,854	146—	11: 1,406,170
6—	5: 1,406,568	32—	6: 1,406,492	56—	330: 1,406,874	82—	1,406,833		36: 1,406,493		1,406,194
9—	18: 1,406,940		11: 1,406,263		376: 1,406,506		4: 1,406,756		1,406,494		1,406,679
	25: 1,406,932	33—	27: 1,406,863	58—	13: 1,406,511		32: 1,406,789		1,406,532	148—	5: 1,406,252
10—	121: 1,406,540		28: 1,406,798		11: 1,406,899		35: 1,406,848		40: 1,406,848	150—	46: 1,406,505
12—	14: 1,406,260		41: 1,406,785		24: 1,406,549		11: 1,406,180		45: 1,406,501	151—	4: 1,406,956
	21: 1,406,358		46: 1,406,218	59—	80: 1,406,463		18: 1,406,761		47: 1,406,290		11: 1,406,315
42:	1,406,370		51: 1,406,620	60—	18: 1,406,319		42: 1,406,938		144: 1,406,482		14: 1,406,169
51:	1,406,335		173: 1,406,774		46: 1,406,700		56: 1,406,237	118—	39: 1,406,217		41: 1,406,423
55:	1,406,371		185: 1,406,262	61—	11: 1,406,182		62: 1,406,589	119—	16: R. 15,287	152—	8: 1,406,949
128.6:	1,406,276		189: 1,406,870	62—	90: 1,406,842		82: 1,406,177		53: R. 15,283		12: 1,406,336
	142: 1,406,337	34—	39: 1,406,496		159: 1,406,167		1,406,291		75: 1,406,490		13: 1,406,555
145:	1,406,280		48: 1,406,919		1,406,168		1,406,323	120—	17: 1,406,585		14: 1,406,461
13—	7: 1,406,634	35—	12: 1,406,592		170: 1,406,582		92: 1,406,193		18: 1,406,362		16: 1,406,803
	1,406,635		17: 1,406,944	64—	22: 1,406,816		134: 1,406,430		1,406,736		20: 1,406,687
	1,406,636	36—	71: 1,406,957		24: 1,406,320		250: 1,406,382		109: 1,406,438		22: 1,406,324
	12: 1,406,559		72: 1,406,957		25: 1,406,313		266: 1,406,347		116: 1,406,526		33: 1,406,202
14—	36: 1,406,259		74: 1,406,401		61: 1,406,279		1: 1,406,804	121—	5: 1,406,906		1,406,655
15—	13: 1,406,244	37—	5: 1,406,325		96: 1,406,361		5: 1,406,175		1,406,907		34: 1,406,630
	1,406,610		39: 1,406,743	66—	106: 1,406,491		6: 1,406,183		1,406,908	153—	51: 1,406,384
	59: 1,406,341		40: 1,406,849		12: 1,406,514		17: 1,406,889		1,406,503	154—	1: 1,406,689
	100: 1,406,690		42: 1,406,598		22: 1,406,253		18.8: 1,406,808		1,406,896		2: 1,406,188
	131: 1,406,483		63: 1,406,897		26: 1,406,254		19.1: 1,406,653		123: 1,406,205		9: 1,406,855
	229: 1,406,248		64: 1,406,527		28: 1,406,832		19.3: 1,406,802		120: 1,406,767		46: 1,406,667
231:	1,406,721	39—	6: 1,406,625	67—	10: 1,406,386		26: 1,406,420	122—	156: 1,406,330	155—	95: 1,406,571
16—	18: 1,406,930	40—	1: 1,406,538		1,406,515		54: 1,406,782		169: 1,406,729		147: 1,406,888
	100: 1,406,898		2: 1,406,616	68—	32: 1,406,436		1: 1,406,404	123—	32: 1,406,877		165: 1,406,529
	114: 1,406,811		107: 1,406,210		8: 1,406,307		90—	33: 1,406,391		156—	19: 1,406,311
	116: 1,406,309		125: 1,406,916		21: 1,406,673		91—	38: 1,406,498			1,406,685
219:	1,406,917		133: 1,406,485	70—	18: 1,406,813		1,406,710		90: 1,406,271		28: 1,406,934
18—	2: R. 15,284		1,406,626		27: 1,406,822		70.2: 1,406,284		92: 1,406,839	157—	1: 1,406,680
	1,406,666		141: 1,406,046		46: 1,406,573		71: 1,406,174		119: 1,406,416	158—	3: 1,406,732
	17: 1,406,261		146: 1,406,464		1,406,574		3: 1,406,322	122:	1,406,232		26: 1,406,621
	38: 1,406,433	41—	37: 1,406,538		47: 1,406,289		21: 1,406,410		1,406,591		5.5: 1,406,414
	45: 1,406,640	42—	3: 1,406,546		53: 1,406,629		50: 1,406,821		1,406,598		57: 1,406,520
	47: 1,406,651		90: 1,406,387		75: 1,406,437	93—	1: 1,406,300		1,406,766		65: 1,406,396
	48: 1,406,730		94: 1,406,827		105: 1,406,567		2: 1,406,165	148:	1,406,190		67: 1,406,338
	50: 1,406,654	43—	18: 1,406,268		126: 1,406,670		61: 1,406,661		169: 1,406,810		74: 1,406,238
	53: 1,406,197		45: 1,406,834		128: 1,406,831		10: 1,406,417		170: 1,406,922		77: 1,406,413
	1,406,717		147: 1,406,903		1,406,790		27: 1,406,569	125—	35: 1,406,477		106: 1,406,800
	1,406,718		1,406,904		1,406,455	71—	30: 1,406,754	126—	54: 1,406,771		1,406,925
	1,406,719		148: 1,406,233		1,406,933	72—	42: 1,406,772		92: 1,406,523		1,406,346
	56: 1,406,669	45—	6: 1,406,270		41: 1,406,354		55: 1,406,273		119: 1,406,875		109: 1,406,466
19—	3: 1,406,474		16: 1,406,368		119: 1,406,519		4: 1,406,321		272: 1,406,213	161—	8: 1,406,305
20—	1.01: 1,406,788		1,406,758		122: 1,406,379		1,406,783		345: 1,406,318	163—	8: 1,406,587
	31: 1,406,894		28: 1,406,699	73—	37: 1,406,682		5: 1,406,381		81: 1,406,583	164—	65: 1,406,947
	49: 1,406,411		58: 1,406,373		52: 1,406,373		1,406,513	128—	152: 1,406,425		69: 1,406,459
	52: 1,406,786		118: 1,406,879		54: 1,406,201		1,406,590		287: 1,406,225		77: 1,406,481
	78: 1,406,186	46—	12: 1,406,593		1,406,926		8: 1,406,380		1: 1,406,166		88: 1,406,310
	94: 1,406,723		21: 1,406,691	110—	1,406,200		11: 1,406,554	129—	16.1: 1,406,226	166—	8: 1,406,525
22—	70: 1,406,518		27: 1,406,412		1,406,616		1,406,791		1,406,227		19: 1,406,329
	85: 1,406,746		1,406,705		111: 1,406,239		3: 1,406,334		41: 1,406,450	167—	5: 1,406,243
23—	1: 1,406,353		1,406,733		165: 1,406,504	101—	23: 1,406,611		1,406,829	168—	41: 1,406,374
	1,406,597		37: 1,406,765	74—	6: 1,406,283		137: R. 15,286	130—	1: 1,406,395	170—	159: 1,406,364
	10: 1,406,905		41: 1,406,431		7: 1,406,211		228: 1,406,298		12: 1,406,427		1,406,365
	13: 1,406,662		51: 1,406,641		14: 1,406,336		385: 1,406,787		27: 1,406,394		1,406,600
	1,406,890		1,406,642		26: 1,406,065	102—	2: 1,406,633	132—	18: 1,406,586		163: 1,406,277
	24: 1,406,547		1,406,643		1,406,792		4: 1,406,844		20: 1,406,819		173: 1,406,251
	1,406,745		1,406,644		1,406,844		25: 1,406,369		36: 1,406,235	171—	95: 1,406,235
	31: 1,406,525		59: 1,406,520		41: 1,406,576	103—	75: 1,406,178		41: 1,406,375		125: 1,406,576
	11: 1,406,378		61: 1,406,308		56: 1,406,878		80: 1,406,892		1,406,639		206: 1,406,184
19:	1,406,242		1,406,473		60: 1,406,580		66: 1,406,306		78.5: 1,406,439		209: 1,406,806
	1,406,443		63: 1,406,484		81: 1,406,402		160: 1,406,807	133—	8: 1,406,623		221: 1,406,495
31:	1,406,831	48—	70: 1,406,663		99: 1,406,584		189: 1,406,501	134—	35: 1,406,837		321: 1,406,448
155:	1,406,688		180: 1,406,398		1,406,627		280: 1,406,274		79: 1,406,224	172—	120: 1,406,366
196:	1,406,708	49—	14: 1,406,400		104: 1,406,780		366: 1,406,294	135—	1: 1,406,301		1,406,367
191:	1,406,281		36: 1,406,722		108: 1,406,684		384: 1,406,345		53: 1,406,453		274: 1,406,566
	1,406,449		85: 1,406,502		109: 1,406,475		410: 1,406,701	137—	102: 1,406,196		282: 1,406,405
	1,406,282	50—	11: 1,406,486		1,406,536	106—	25: 1,406,421		103: 1,406,747	288:	1,406,255
194:	1,406,517	51—	26: 1,406,298		1,406,763		29: 1,406,618		111: 1,406,943		1,406,376
198:	1,406,770		124: 1,406,407		67: 1,406,955	107—	21: 1,406,497		139: 1,406,333		1,406,377
216:	1,406,179		131: 1,406,927		76—	36: 1,406,924		153: 1,406,216		1,406,383	
222:	1,406,390		176: 1,406,275		78: 1,406,512		44: 1,406,884	139—	18: 1,406,840		1,406,389
233:	1,406,911		197: 1,406,357		77—	61: 1,406,871		30: 1,406,835		1,406,565	
234:	1,406,419		247: 1,406,716		80—	5: 1,406,895		48: 1,406,487		1,406,953	
236:	1,406,458										

CLASSIFICATION OF PATENTS.

173— 306: 1,406,696	187— 11: 1,406,861	211— 14: 1,406,192	230— 18: 1,406,556	252— 1,406,479	274— 23: 1,406,249
1,406,697	15: 1,406,942	16: 1,406,753	27: 1,406,859	253— 191: 1,406,868	27: 1,406,258
1,406,698	31: 1,406,489	24: 1,406,296	234— 5,5: 1,406,507	194: 1,406,297	81: 1,406,220
174— 177: 1,406,438	188— 187: 1,406,711	1,406,893	235— 78: 1,406,712	254— 100: 1,406,302	119: 1,406,451
1,406,509	213: 1,406,915	27: 1,406,304	91: 1,406,435	101: 1,406,881	280— 13: 1,406,207
1,406,738	249: 1,406,440	44: 1,406,781	98: 1,406,314	135: 1,406,317	16: 1,406,269
175— 30: 1,406,681	259: 1,406,720	212— 92: 1,406,725	236— 50: 1,406,817	162: 1,406,846	33.5: 1,406,458
183: 1,406,480	189— 1: 1,406,757	214— 1: 1,406,823	238— 42: 1,406,454	194: 1,406,560	40: 1,406,397
294: 1,406,234	56: 1,406,303	16: 1,406,928	46: 1,406,887	255— 4: 1,406,348	159: 1,406,530
356: 1,406,245	191— 38: 1,406,286	41: 1,406,946	235: 1,406,533	1,406,349	163: 1,406,728
363: 1,406,328	40: 1,406,285	63: 1,406,214	243: 1,406,528	1,406,350	283— 1: 1,406,173
176— 40: 1,406,645	1,406,288	216— 29: 1,406,534	324: 1,406,594	1,406,351	21: 1,406,541
136: 1,406,542	60.1: 1,406,812	38: 1,406,556	329: 1,406,295	22: 1,406,187	48: 1,406,941
177— 337: 1,406,694	192— 14: 1,406,570	1,406,535	336: 1,406,652	26: 1,406,768	54: 1,406,561
345: 1,406,674	60: 1,406,292	1,406,588	240— 7: 1,406,548	61: 1,406,931	284— 19: 1,406,847
351: 1,406,312	116: 1,406,599	217— 15: 1,406,279	8.5: 1,406,359	72: 1,406,185	19: 1,406,671
1,406,500	193— 55: 1,406,228	52: 1,406,615	1,406,452	11: 1,406,929	285— 11: 1,406,671
378: 1,406,865	1,406,709	60: 1,406,468	41: 1,406,648	16: 1,406,343	287— 58: 1,406,841
178— 99: 1,406,428	197— 4: 1,406,775	219— 4: 1,406,551	52: 1,406,913	8: 1,406,852	111: 1,406,229
179— 1: 1,406,726	6.7: 1,406,537	11: 1,406,550	61: 1,406,955	43: 1,406,356	1,406,247
18: 1,406,221	67: 1,406,845	19: 1,406,164	111: 1,406,649	1,406,815	290— 30: 1,406,731
1,406,236	84: 1,406,162	1,406,776	241— 1: 1,406,677	76: 1,406,818	33: 1,406,172
1,406,668	153: 1,406,873	1,406,900	242— 37: 1,406,572	130: 1,406,256	292— 76: 1,406,264
43: 1,406,678	199— 18: 1,406,563	20: 1,406,352	95: 1,406,752	6: 1,406,457	343: 1,406,409
63: 1,406,223	1,406,564	35: 1,406,372	101: 1,406,882	43: 1,406,619	293— 55: 1,406,828
114: 1,406,510	42: 1,406,762	1,406,851	2: 1,406,575	92: 1,406,543	1,406,921
122: 1,406,672	44: 1,406,784	37: 1,406,850	3: 1,406,344	105: 1,406,355	294— 71: 1,406,327
1,406,833	50: 1,406,734	42: 1,406,912	12: 1,406,923	131: 1,406,778	106: 1,406,704
175: 1,406,195	80: 1,406,432	46: 1,406,360	14: 1,406,545	28: 1,406,660	296— 28: 1,406,240
1,406,246	81: 1,406,613	47: 1,406,181	21: 1,406,521	16: 1,406,713	30: 1,406,241
1,406,918	85: 1,406,447	55: 1,406,257	29: 1,406,617	34: 1,406,596	142: 1,406,499
180— 9.2: 1,406,332	106: 1,406,267	63: 1,406,393	245— 5: 1,406,406	49: 1,406,744	298— 22: 1,406,444
12: 1,406,209	132: 1,406,434	31: 1,406,683	246— 178: 1,406,902	1,406,769	299— 77: 1,406,471
14: 1,406,418	137: 1,406,476	63: 1,406,478	192: 1,406,797	265— 45: 1,406,342	301— 6: 1,406,759
17: 1,406,446	141: 1,406,553	17: 1,406,891	413: 1,406,363	5: 1,406,424	23: 1,406,392
54: 1,406,462	1,406,937	223— 38: 1,406,793	1,406,557	10: 1,406,388	35: 1,406,664
1,406,524	159: 1,406,171	224— 5: 1,406,326	463: 1,406,909	19: 1,406,706	1,406,920
68: 1,406,163	1: 1,406,624	18: 1,406,954	248— 20: 1,406,751	14: 1,406,198	37: 1,406,945
70: 1,406,316	29: 1,406,239	29: 1,406,539	250— 6: 1,406,857	42: 1,406,219	38: 1,406,212
85: 1,406,935	64: 1,406,741	1,406,601	8: 1,406,445	50: 1,406,603	41: 1,406,809
183— 52: 1,406,299	206— 62: 1,406,939	1,406,632	20: 1,406,442	9: 1,406,441	44: 1,406,403
185— 27: 1,406,250	210— 6: 1,406,385	1,406,805	91: 1,406,191	15: 1,406,604	1,406,562
37: 1,406,650	51: 1,406,950	82: 1,406,703	123: 1,406,885	1,406,605	1,406,749
187— 1: 1,406,951	128: 1,406,340	84: R. 15, 285	124: 1,406,799	1,406,606	1,406,607
11: 1,406,638	161: 1,406,581	229— 45: 1,406,707	135: 1,406,830	1,406,607	111: 1,406,836
1,406,860	164: 1,406,272	80: 1,406,456	140: 1,406,869	1,406,608	303— 34: 1,406,609
			162: 1,406,748		

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF FEBRUARY, 1922.

NOTE.—Arranged in accordance with the first significant character or word of the name. (In accordance with city and telephone directory practice.)

- Abbott, Augustus, assignor, by mesne assignments, to The Universal Device Company, Denver, Colo. Coin counting and wrapping device. No. 1,406,958; Feb. 21.
- Abbott, Augustus, Denver, Colo., assignor to The Universal Device Company. Coin counting and wrapping device. No. 1,406,959; Feb. 21.
- Adams, Benjamin F. (See Williams, F. B., and Adams.)
- Aker, John C., and M. C. Williams, Duluth, Minn. Washing machine. No. 1,407,618; Feb. 21.
- Aktiebolaget Ljungström Angturbin. (See Ljungström, F., and Broberg, assignors.)
- Aktiebolaget Tubus. (See Karlsson, Walfrid, assignor.)
- Aktiengesellschaft der Maschinenfabriken Escher Wyss & Co. (See Graemiger, Benjamin, assignor.)
- Alexander, Clive M., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Manufacture of motor fuel. No. 1,407,619; Feb. 21.
- Allen, Edward A., Portland, Me. Apparatus for electrolysis. No. 1,407,313; Feb. 21.
- Allen, Mabelle J., Boston, Mass. Educational game for teaching music. No. 1,406,960; Feb. 21.
- Allen, W. P., et al., trustees. (See Paul, Christian F., Jr., assignor.)
- Ambrose, Frank F., Los Angeles, Calif., assignor to Union Steam Pump Company, Battle Creek, Mich. Rotary pump. No. 1,407,620; Feb. 21.
- American Seamless Container Company. (See Handford, Arthur W., assignor.)
- American Telephone and Telegraph Company. (See Harper, Alfred U., assignor.)
- American Telephone and Telegraph Company. (See Osborne, Harold S., assignor.)
- American Telephone and Telegraph Company. (See Toomey, John F., assignor.)
- Amidon, Fayette A. (See Girard, Albert G., assignor.)
- Ananlan, Hohannis A., Paterson, N. J. Toy. No. 1,407,621; Feb. 21.
- Anchor Cap & Closure Corporation. (See Townsend, Harry E., assignor.)
- Anderson, Frank C., Cincinnati, Ohio. Switch stand. No. 1,407,454; Feb. 21.
- Angus, Donald J., Indianapolis, Ind., assignor to The Crown Cork and Seal Company of Baltimore City. Apparatus for moving articles of magnetic material. No. 1,406,963; Feb. 21.
- Anthony, Elliott E., Chicago, Ill. Tool grinder. No. 1,407,455; Feb. 21.
- Apple, Vincent G., Dayton, Ohio. Electric motor. No. 1,407,508; Feb. 21.
- Applegate, George. (See Berry, H. C., and Applegate.)
- Armstrong, Percy A. E., Loudonville, N. Y. Carburizing box. No. 1,407,456; Feb. 21.
- Armstrong Siddeley Motors Limited. (See Wylie, Hamilton N., assignor.)
- Aston, Albert A. (See Ricks, F., and Aston.)
- Atkinson, Edward M., Portland, Ore. Reinforcing thin metal. No. 1,407,366; Feb. 21.
- Atkinson, George C., Georgetown, Tex. Spring wheel. No. 1,406,961; Feb. 21.
- Atkinson, Jesse. (See Thompson, Abel, assignor.)
- Atlas Powder Company. (See Cook, R. M., and Grotta, assignors.)
- Atlas Powder Company. (See Jessen, Charles C., assignor.)
- Atwater Kent Manufacturing Company. (See Kent, Arthur A., assignor.)
- Au Buchon, John S., Farmington, Mo. Tire-protecting shoe. No. 1,406,962; Feb. 21.
- Aushman, Martin V. (See Hall, John W., assignor.)
- Autosales Corporation. (See Grover, Albert D., assignor.)
- Axe, Roy T., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window construction. No. 1,407,314; Feb. 21.
- B. B. Specialty Company. (See Burke, Claton E., assignor.)
- B. B. Specialty Co. (See Burke, C. E., and Beckwith, assignor.)
- Rabcock, George W., Rochester, N. Y. Apparatus for producing sticks of comb honey. No. 1,407,244; Feb. 21.
- Backscheider, Frank J., deceased, Cincinnati, Ohio; S. Backscheider, administratrix. Portable electric tool. No. 1,407,622; Feb. 21.
- Backscheider, Sarah, administratrix. (See Backscheider, Frank J.)
- Bacon, Casper L. (See Thaxton, Thomas W., assignor.)
- Bachn, Frederick, Jersey City, N. J. Tide power. No. 1,407,623; Feb. 21.
- Bailey, Charles T., and H. B. Willson, Tampa, Fla. Window-shade holder. No. 1,407,624; Feb. 21.
- Bailey, James G., Knoxville, Tenn. Sewing-machine needle guard. No. 1,407,114; Feb. 21.
- Bailey, James G., Knoxville, Tenn. Clutch. No. 1,407,115; Feb. 21.
- Bailey, James G., Knoxville, Tenn. Stop motion for sewing machines. No. 1,407,367; Feb. 21.
- Bain, Benjamin F. (See Vaughan, Thomas M., assignor.)
- Baker, Jesse H., Henderson, Ill. Vaporizing gasket. No. 1,407,113; Feb. 21.
- Baker, Joseph, Sons & Perkins Company. (See Baker, R. E., Ford, and Elliott, assignors.)
- Baker, Malcolm H., deceased, Braintree, Mass.; M. H. Baker, administratrix, assignor, by mesne assignments, to Tremont Products Company. Thermodynamically-controlled knife switch. No. 1,407,315; Feb. 21.
- Baker, Marie, administratrix. (See Baker, Malcolm H.)
- Baker, Newton D., Secretary of War, trustee. (See Buckendale, Laurence R., assignor.)
- Baker, Robert E., Bronxville, E. H. Ford, Brooklyn, and I. Elliott, New York, assignors, by mesne assignments, to Joseph Baker Sons & Perkins Company, Inc., White Plains, N. Y. Pump-operating mechanism for wafer-baking machines. No. 1,407,457; Feb. 21.
- Baldwin, Anna, Pittsburgh, Pa. Bathing cap. No. 1,407,625; Feb. 21.
- Barr, John H., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. No. 1,407,509; Feb. 21.
- Bartlett, Frank W. (See Cunningham, C. A., Christensen, and Bartlett.)
- Bassett, Robert N., Company. (See Bradshaw, Charles E., assignor.)
- Bausher, Solon D., Reading, and J. D. Reed, Schuylkill Haven, assignors to Glorie Underwear Mill, Reading, and to Union Knitting Mills, Schuylkill Haven, Pa. Lady's undergarment. No. 1,407,626; Feb. 21.
- Bausman, Alonzo L., assignor to National Equipment Company, Springfield, Mass. Confectionery-coating machine. No. 1,407,116; Feb. 21.
- Baxter, Ernest H., Chicago, Ill. Refillable fuse plug. No. 1,407,117; Feb. 21.
- Beckwith, Grove R. (See Burke, C. E., and Beckwith.)
- Beil, John L., Galena, Ill. Adjustable rail brace. No. 1,407,368; Feb. 21.
- Benedict, Bernard, assignor to National Carbon Company, Inc., New York, N. Y. Circuit controller for flash lights. No. 1,406,964; Feb. 21.
- Benish, Thomas E. (See Clarke, Justin A., assignor.)
- Benjamins, Israel, Brooklyn, N. Y. Belt buckle. No. 1,407,185; Feb. 21.
- Bennett, William H., Calvin, Okla. Automobile top fastener. No. 1,407,118; Feb. 21.
- Bentham, Cecil, assignor to Henry Simon Limited, Manchester, England. Apparatus for unloading grain. No. 1,407,510; Feb. 21.
- Bergey, Aaron E., Warren, Ohio. Mechanism for driving tools. No. 1,406,965; Feb. 21.
- Berkeley, Thomas L., Alexandria, Va. Water-gauge-glass holder. No. 1,407,627; Feb. 21.
- Berkey, Harvey C., Claremont, N. H., assignor to Sullivan Machinery Company. Electric mining apparatus. No. 1,407,119; Feb. 21.
- Berry, Arthur V. and E. S., Hebron, Ohio. Gear-shifting mechanism. No. 1,407,458; Feb. 21.
- Berry, Elmer S. (See Berry, Arthur V. and E. S.)
- Berry, Hubert C., Salem, N. J., and G. Applegate, Philadelphia, Pa. Automatic adjustment for brake shoes. No. 1,407,628; Feb. 21.
- Best, W. N., Inc. (See Best, William N., assignor.)
- Best, William N., Brooklyn, assignor to W. N. Best, Inc., New York, N. Y. Liquid-fuel-burning apparatus. No. 1,407,511; Feb. 21.
- Bethke, John P., and R. H. Stearns, assignors to Magnetic Manufacturing Co., Milwaukee, Wis. Magnetic pulley. No. 1,407,051; Feb. 21.
- Bethlehem Foundry & Manufacturing Company. (See Lehman, John G., assignor.)
- Beuc, Jacob, St. Louis, Mo. Engine piston. No. 1,407,629; Feb. 21.
- Beurdeley, André, Paris, France. Artificial leg. No. 1,407,369; Feb. 21.
- Bialy, Pete. (See Mark, L., and Bialy.)
- Bienstock, Anna E., Newark, N. J. Mop. No. 1,406,966; Feb. 21.

- Birdsey, Charles R., Hinsdale, assignor to United States Gypsum Company, Chicago, Ill. Plaster board. No. 1,406,967; Feb. 21.
- Birmingham, Michael R., Yonkers, N. Y. Pile-fabric loom. No. 1,407,121; Feb. 21.
- Bi-View, Limited. (See Sutphen, Robert M., assignor.)
- Blair, Robert S., et al. (See Churchward, James, assignor.)
- Blakeslee, George S., Chicago, Ill. Washing machine. No. 1,406,968; Feb. 21.
- Blankenhorn, George W., assignor to California Packing Corporation, San Francisco, Calif. Rolling cutter. No. 1,407,316; Feb. 21.
- Blankenhorn, George W., assignor to California Packing Corporation, San Francisco, Calif. Paper-disk separating and feeding device. No. 1,407,318; Feb. 21.
- Blankenhorn, George W., and T. Sastberg, assignors to California Packing Corporation, San Francisco, Calif. Paper-lining machine. No. 1,407,317; Feb. 21.
- Blee, John W. H., and A. P. Powell, Harrison, Idaho. Cable coupling. No. 1,407,370; Feb. 21.
- Bliss, E. W., Company. (See Klocke, William, assignor.)
- Bloch Company, The. (See Bloch, Samuel M., assignor.)
- Bloch, Samuel M., assignor to The Bloch Company, Cleveland, Ohio. Conductor's vest. No. 1,407,459; Feb. 21.
- Bloomquist, Helmer A., Manistee, Mich. Carrier for bottles. No. 1,407,630; Feb. 21.
- Bolam, Robert F., Trafford, Pa. Cue. No. 1,407,512; Feb. 21.
- Bolitho, John B., Eltham, England. Amplifying device for use in wireless telegraphy. No. 1,407,245; Feb. 21.
- Bond, Charles F., Coulee City, Wash. Concrete mold. No. 1,407,246; Feb. 21.
- Boos, George, et al. (See Crouch, Thomas C., assignor.)
- Booth, Percy, Warrington, England. Apparatus for making wire sieves or floors. No. 1,407,184; Feb. 21.
- Borgenicht, Esther, assignor to Brand Brothers, New York, N. Y. Garment. No. 1,407,319; Feb. 21.
- Bosard, Ray F., Knoxville, Pa. Means for using automobile power industrially. No. 1,407,513; Feb. 21.
- Bosworth, Littleton B., Albany, Ga. Feed table and guide for paper-ruling machines. No. 1,406,969; Feb. 21.
- Bouché, William F., Buffalo, N. Y., assignor to Gould Coupler Company. Dashpot. No. 1,407,320; Feb. 21.
- Bowers, Robert R., assignor to The Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Combined rake and tedder. No. 1,406,970; Feb. 21.
- Bowes, George S., Newcomerstown, Ohio. Attachment for running boards of automobiles. No. 1,407,514; Feb. 21.
- Bowman, Charles T. (See Davis, George H., assignor.)
- Braddock, Sarah E., Brooklyn, N. Y. Egg separator. No. 1,407,371; Feb. 21.
- Bradford, Eugene S., Jackson, Mich. Lathe or milling-machine attachment. No. 1,407,515; Feb. 21.
- Bradley, Walter E. F., New York, N. Y. Reduction of ores. No. 1,407,372; Feb. 21.
- Bradshaw, Charles E., Waterbury, assignor to Robert N. Bassett Company, Incorporated, Shelton, Conn. Buckle. No. 1,406,971; Feb. 21.
- Brand Brothers. (See Borgenicht, Esther, assignor.)
- Brand, Robert H. (See Smith, J. H., Brand, and Leith.)
- Branson, Thomas, Philadelphia, Pa., assignor to Sibson & Stern, Inc. Reinforcing fabric for vehicle tires. No. 1,407,012; Feb. 21.
- Braun, Bruce E. (See Muellerweiss, H. G., and Braun.)
- Brenizer, Orson W. (See Wandless, Franklin W., assignor.)
- Brewster, Ernest B., New York, N. Y. Method and means for coloring paper. No. 1,407,247; Feb. 21.
- Brill, J. G., Company, The. (See Berry, H. C., and Applegate, assignors.)
- Broberg, Isidor. (See Ljungström, F., and Broberg.)
- Brock, Matthias, Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Mechanism for use in shaping shoe uppers. No. 1,407,321; Feb. 21.
- Brookman, Otto B. (See Turpin, J. H., and Brookman.)
- Brown, Chauncey L., assignor to Northfield Iron Company, Northfield, Minn. Journal box for mixing machines. No. 1,407,186; Feb. 21.
- Brown, Henry J., New York, N. Y. Phonograph booth. No. 1,407,322; Feb. 21.
- Brown, Jasper C., Los Angeles, Calif. Curtain. No. 1,407,248; Feb. 21.
- Brown, Thomas E., and J. N. Etheredge, Macon, Ga. Attachment for lathes. No. 1,407,249; Feb. 21.
- Brown, Walter R., Decatur, Ill. Invalid bed. No. 1,407,631; Feb. 21.
- Browning, Walter J., Huelva, Spain. Extraction of metals. No. 1,407,324; Feb. 21.
- Browning, Walter J., Huelva, Spain. Production of hydrogen sulphide from sulphurous gases. No. 1,407,323; Feb. 21.
- Bryant, Frederic J., New York, N. Y. Ladder. No. 1,406,972; Feb. 21.
- Brymer, Park V., Jersey City, N. J. Windmill. No. 1,407,373; Feb. 21.
- Buckendale, Lawrence R., U. S. Army, assignor to N. D. Baker, Secretary of War, trustee. Fuel pressure-feed system. No. 1,407,374; Feb. 21.
- Budd, Lester, Philadelphia, Pa. Adjustable air-shutter construction for furnaces. No. 1,407,516; Feb. 21.
- Burbank, Ralph N., Somerset, Mass. Ship-centering device. No. 1,407,375; Feb. 21.
- Burck, John H., Albany, N. Y. Fruit-jar opener. No. 1,407,632; Feb. 21.
- Burke, Claton E., assignor to B. B. Specialty Company, Minneapolis, Minn. Mop holder. No. 1,407,123; Feb. 21.
- Burke, Claton E., and G. R. Beckwith, assignors to B. B. Specialty Co., Minneapolis, Minn. Mop-wringer pail. No. 1,407,122; Feb. 21.
- Burnett, Charley, Washington Court House, Ohio. Building construction. No. 1,407,250; Feb. 21.
- Burton, Frank F., Mount Carmel, assignor to Winchester Repeating Arms Co., New Haven, Conn. Box magazine for firearms. No. 1,407,633; Feb. 21.
- Burton, James E., Cambridge, Mass. Scale. No. 1,407,634; Feb. 21.
- Buschmeyer, Clarence R., assignor to The Standard Register Company, Dayton, Ohio. Recording autographic register. No. 1,407,376; Feb. 21.
- Butler, David, Montezuma, N. Y. Apparatus for testing motor vehicles. No. 1,407,377; Feb. 21.
- Byron, Thomas F., Chicago, Ill. Bracket. No. 1,407,251; Feb. 21.
- Cain, William H., Los Angeles, Calif. Gas and air mixer. No. 1,407,346; Feb. 21.
- Calhoun, Henry C., Detroit, Mich. Vehicle wheel. No. 1,407,252; Feb. 21.
- California Packing Corporation. (See Blankenhorn, G. W., and Castberg, assignors.)
- Callaghan, George H. and J. L., assignors of three-fourths to T. L. Glazebrook, Minneapolis, Minn., and one-fourth to said J. L. Callaghan. Towrope. No. 1,407,378; Feb. 21.
- Callaghan, James L. (See Callaghan, George H. and J. L.)
- Carr, William C., Buffalo, N. Y. Elevator truck. No. 1,407,124; Feb. 21.
- Carroll, Frank H., Los Angeles, Calif. Vegetation-protecting structure. No. 1,407,125; Feb. 21.
- Carter, Clark E., Montreal, Quebec, Canada. Camera. No. 1,407,973; Feb. 21.
- Caryl, Harry S., assignor of one-half to L. B. Landau, Scranton, Pa. Horseshoe pad. No. 1,407,379; Feb. 21.
- Castberg, Thomas. (See Blankenhorn, G. W., and Castberg.)
- Castleman, Frank M., Rotherham, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Power-operated ram. No. 1,407,253; Feb. 21.
- Chamberlain, Kit C., Houston, Tex. Staple-setting device. No. 1,406,974; Feb. 21.
- Chapman, Fred H., Pepperell, Mass. Spindle. No. 1,406,975; Feb. 21.
- Chapman, John A., et al., trustees. (See Sommer, William H., assignor.)
- Chemical Foundation, Inc., The. (See Martens, Friedrich, assignor.)
- Chemical Foundation, Inc., The. (See Müller, Philipp, assignor.)
- Chemical Foundation, Inc., The. (See Schröder, Edmund, assignor.)
- Chenard, Emile A. R., deceased, Cognac, Charente, France; J. Chenard, nicknamed Armand, executor. Fractional-distilling apparatus. No. 1,407,380; Feb. 21.
- Chenard, Jean, nicknamed Armand, executor. (See Chenard, Emile A. R.)
- Christensen, Andrew. (See Cunningham, C. A., Christensen, and Bartlett.)
- Christensen, Hans, and W. Starrett, Denver, Colo. Harrow and harrow attachment for tractors. No. 1,407,635; Feb. 21.
- Christmann, Leopold O., Beachburg, Ontario, Canada. Governor. No. 1,407,126; Feb. 21.
- Churchward, James, assignor of one-half to R. S. Blair, Stamford, and one-half to L. Churchward, Lakeville, Conn. Step construction for automobiles. No. 1,407,517; Feb. 21.
- Churchward, Louise, et al. (See Churchward, James, assignor.)
- Cincinnati Bickford Tool Company, The. (See Klausmeyer, David C., assignor.)
- Clark, Elmore R., New Brunswick, N. J. Attachment for automobiles and the like. No. 1,407,187; Feb. 21.
- Clarke, Alex A., Dallas, Tex. Surface-treating tool. No. 1,407,381; Feb. 21.
- Clarke, Justin A., assignor of one-third to T. E. Benish, Vincennes, Ind. Record lifter. No. 1,406,976; Feb. 21.
- Clerke, Augustus B. H. (See Hadfield, R. A., Jack, and Clerke.)
- Cliff, Chester H., Nyack, N. Y. Tearing machine. No. 1,407,636; Feb. 21.
- Coari, Frank A., Chicago, Ill. Nut-cracking machine. No. 1,407,325; Feb. 21.
- Cobb Shockless Crossing Corporation. (See McFarland, Samuel E., assignor.)
- Coletta, Frances, Wilmington, Del. Automobile bumper and wheel fender. No. 1,407,637; Feb. 21.
- Collins, Albert F., Minneapolis, Minn. Bank check. No. 1,407,256; Feb. 21.
- Collins, Albert F., Minneapolis, Minn. Perforating device for protecting checks and like instruments. No. 1,407,257; Feb. 21.

- Collins, Michael J., New York, N. Y. Stripping comb. No. 1,407,638; Feb. 21.
- Collins Rotary Safety Razor Company. (See Hasselquist, Hugo S., assignor.)
- Commercial Research Company, The. (See Hibbert, Harold, assignor.)
- Compton, Jerry A. (See Price, Albert O., assignor.)
- Concannon, William F., Bridgeport, Conn. Making scissors, shears, tweezers, and the like. No. 1,407,127; Feb. 21.
- Conde, Frederic, et al. (See Walter, Frederick P., assignor.)
- Cone, Charles S., La Crosse, Wis. Stamp-vending machine. No. 1,407,639; Feb. 21.
- Connors, Arthur H., Mullan, Idaho. Ore separator. No. 1,407,258; Feb. 21.
- Continental Salt and Chemical Company. (See Cunningham, C. A., Christensen, and Bartlett, assignors.)
- Cook, Russell M., and B. Grotta, Tamaqua, assignors to Atlas Powder Company, Philadelphia, Pa. Composition for detonators. No. 1,406,977; Feb. 21.
- Cormack, William C., Chicago, Ill. Band-saw brazing clamp. No. 1,407,188; Feb. 21.
- Cosgrove, John W., Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole-molding press. No. 1,407,128; Feb. 21.
- Cottrell, C. B., & Sons Company. (See Cottrell, Charles P., assignor.)
- Cottrell, Charles P., Westerly, R. I., assignor, by mesne assignments, to C. B. Cottrell & Sons Company, New York, N. Y. Sheet-feeding mechanism for printing presses. No. 1,406,978; Feb. 21.
- Courville, Joseph A., Marlboro, Mass. Block-planing machine. No. 1,407,382; Feb. 21.
- Cox, John L., Philadelphia, Pa. Making projectiles. No. 1,407,254; Feb. 21.
- Cox, John L., Philadelphia, Pa. Heat-treating and hardening projectiles. No. 1,407,255; Feb. 21.
- Crank, James O., Mendon, Ill. Shock absorber. No. 1,407,640; Feb. 21.
- Crawford, Harry H., Wellsburg, W. Va. Valve for gas engines. No. 1,406,979; Feb. 21.
- Crawford, Hezekiah H., El Paso, Tex. Metallic roof. No. 1,406,980; Feb. 21.
- Creveling, John L., Auburn, N. Y. Operating storage batteries, etc. No. 1,407,383; Feb. 21.
- Crooks, E. (See Miner, Clarence R., assignor.)
- Cross, Jerome A., Fultonville, N. Y. Nail. No. 1,407,641; Feb. 21.
- Crossley, Kenneth I. (See Webb, W. L., and Crossley.)
- Crouch, Thomas C., assignor of one third to C. L. Wynn and one third to G. Boos, Elbow, Saskatchewan, Canada. Ventilator. No. 1,407,129; Feb. 21.
- Crowley, John W., Jr., Chicago, Ill. Clutch. No. 1,407,384; Feb. 21.
- Crown Cork and Seal Company of Baltimore City, The. (See Angus, Donald J., assignor.)
- Crumley, Leonidas F., La Follette, Tenn. Transmission band. No. 1,407,385; Feb. 21.
- Cumner, Matthew S., New York, N. Y. Vise. No. 1,406,981; Feb. 21.
- Cunningham, Charles A., Alvarado, A. Christensen Alameda, and P. W. Bartlett, Berkeley, assignors to Continental Salt and Chemical Company, San Francisco, Calif. Salt harvester. No. 1,407,189; Feb. 21.
- Curtis, Alexander R., Minneapolis, Minn. Camping trailer. No. 1,407,259; Feb. 21.
- Dailey, William J. F., Ridgewood, N. J., assignor of one-half to P. J. Watrous, Pasadena, Calif. Razor strop. No. 1,407,190; Feb. 21.
- Dain Manufacturing Company of Iowa, The. (See Bowers, Robert R., assignor.)
- Dam, Henry R., assignor to Interstate Electric Novelty Company, Brooklyn, N. Y. Dry cell. No. 1,407,386; Feb. 21.
- Danforth, Leon E. (See King, John P., assignor.)
- Danneel, Heinrich. (See Tommasi, N. C., and Danneel.)
- Davis, George H., and C. T. Bowman, Orange, N. J., assignors to said Davis. Water-cooled die. No. 1,407,130; Feb. 21.
- Davis, Wade H., Walnut Cove, N. C. Apparatus for dyeing. No. 1,407,387; Feb. 21.
- Davis, Wilbur, Collins, Iowa. Egg candling and handling device. No. 1,407,191; Feb. 21.
- Davis, William J., Chicago, Ill. Temperature-changing apparatus. No. 1,407,013; Feb. 21.
- Davis, William J., Chicago, Ill. Milk-handling machinery. No. 1,407,014; Feb. 21.
- Davis, William J., Chicago, Ill. Milk bottle. No. 1,406,983; Feb. 21.
- Davis, William J., Chicago, Ill. Pasteurizing holder. No. 1,406,982; Feb. 21.
- Day, Edward A., Olanah, Wis., and A. W. White, Robertville, New Brunswick, Canada. Amusement apparatus. No. 1,407,642; Feb. 21.
- Dédet, René, Lamentin, Guadeloupe, France. Self-acting gauge. No. 1,407,388; Feb. 21.
- De Giers, Clarence A., assignor to Kelly Springfield Tire Company, New York, N. Y. Portable lathe tool. No. 1,407,015; Feb. 21.
- De Gregory, Alfred, Brooklyn, N. Y. Baking pan. No. 1,407,131; Feb. 21.
- De la Fontaine, Charles J., Dallas, Tex., assignor to Trinity Folding Booth Company, St. Louis, Mo. Folding booth. No. 1,407,260; Feb. 21.
- De Laval Separator Company, The. (See Hulbert, John L., assignor.)
- De Laval Steam Turbine Company. (See Peterson, Arvid, assignor.)
- De Lhorbe, William, Oregon, Ill. Septic tank. No. 1,407,389; Feb. 21.
- Dellenbarger, Charles E., Chicago, Ill. Sheet-cutting machine. No. 1,407,016; Feb. 21.
- Delmore Manufacturing Company. (See Smith, Bronson H., assignor.)
- De Long Hook and Eye Company, The. (See Upham, Gilbert R., assignor.)
- De Lukasevics, Charles, and E. Löffler, New York, N. Y. Engine piston. No. 1,407,667; Feb. 21.
- Dempewolf, Charles H., Oswego, N. Y. Combined tumbler, toothbrush, and tube-paste holder. No. 1,407,347; Feb. 21.
- Dennedy, James H., assignor to Kelvinator Corporation, Detroit, Mich. Compressor. No. 1,407,518; Feb. 21.
- Desmoullins, Emile, Paris, France. Change-speed mechanism. No. 1,407,643; Feb. 21.
- De Steigner, Walter G., San Diego, Calif. Continuous kiln. No. 1,407,192; Feb. 21.
- Diescher, August P., Pittsburgh, Pa. Manufacture of rubber tires, etc. No. 1,407,193; Feb. 21.
- Dieter, William, Brooklyn, N. Y. Propelling mechanism for automobile torpedoes. No. 1,407,261; Feb. 21.
- Dieter, William, Brooklyn, N. Y. Propelling mechanism for torpedoes. No. 1,407,262; Feb. 21.
- Dietz, John T. (See Ziegler, William M., assignor.)
- Dismukes, Walter W., Nashville, Tenn. Detachable book cover. No. 1,407,052; Feb. 21.
- Donaldson, Margaret, Paris, Ky. Undergarment. No. 1,407,390; Feb. 21.
- Dotts, Christ F., Milvale, assignor of one third to D. Moore, Pittsburgh, Pa. Locking device. No. 1,407,326; Feb. 21.
- Dotzert, Hugo, Seattle, Wash. Valve for internal-combustion engines. No. 1,407,644; Feb. 21.
- Douglas, Harry A., Bronson, Mich. Internal-combustion engine. No. 1,407,519; Feb. 21.
- Downer, Henry E., Princeton, Ill. Coal-chute attachment. No. 1,407,391; Feb. 21.
- Drew, Clarence M., Plymouth, N. H. Snow shoe. No. 1,407,645; Feb. 21.
- Drish, Frank W., Sullivan, Ill. Crumb tray. No. 1,407,053; Feb. 21.
- Drolet, Gaudiose P. A. P. J., Quebec, Quebec, Canada. Means for operating elevator gates. No. 1,407,392; Feb. 21.
- Druitt, Percy W., and W. R. Gilpin, London, England. Space-casting mechanism of typographic machines. No. 1,407,460; Feb. 21.
- Dufour, George H., Oak Park, assignor to Marshall Field & Company, Chicago, Ill. Finger guard for printing presses. No. 1,407,132; Feb. 21.
- Dufva, Knut O., deceased, St. Paul, Minn., M. Dufva, executrix. Cementing composition. No. 1,407,194; Feb. 21.
- Dufva, Mathilda, executrix. (See Dufva, Knut O., assignor.)
- Duncan, William M., Alton, Ill. Apparatus for distilling substances. No. 1,407,018; Feb. 21.
- Duncan, William M., Alton, Ill. Destructive distillation. No. 1,407,017; Feb. 21.
- Dun Lany, William P., assignor to Sears, Roebuck and Co., Chicago, Ill. Inserting, folding, and wrapping machine. No. 1,407,646; Feb. 21.
- Dunn, Patrick J., Holland, Ohio. Insulated railway tie and rail fastening means therefor. No. 1,407,195; Feb. 21.
- Dunn, William J., Montreal, Quebec, Canada. Internal-combustion motor. No. 1,407,393; Feb. 21.
- Durany, Andrew, New Britain, Conn. Onion-plant machine. No. 1,407,133; Feb. 21.
- Dutkiewicz, Valentin, Paris, and C. Isambert, Abris, France. Motor plow. No. 1,407,394; Feb. 21.
- Eaglesfield, Robert D., assignor to A. Vonnegut, Indianapolis, Ind. Molding machine. No. 1,407,520; Feb. 21.
- Easton, Frank. (See Hoffman, D., and Easton.)
- Eaton, Charles F., Jr., New York, N. Y. Calculating instrument. No. 1,407,134; Feb. 21.
- Ebbs, Vernon M., Corcoran, Calif. Tent pole. No. 1,407,135; Feb. 21.
- Edwards, O. M., Company, The. (See Axe, Roy T., assignor.)
- Edwards, O. M., Company, The. (See Young, Hiram J., assignor.)
- Ehrhart, Raymond N., Edgewood, Pa. Condenser. No. 1,407,137; Feb. 21.
- Ehrhart, Raymond N., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Co. Vacuum breaker. No. 1,407,136; Feb. 21.
- Ehrlich, Louis. (See Ehrlich, Morris and L.)
- Ehrlich, Morris and L., Brooklyn, N. Y. Can opener. No. 1,407,521; Feb. 21.
- Elektrizitätswerk, Lonza. (See Tommasi, N. C., and Danneel, assignors.)
- Elledge, Arthur L., Duncan, Ariz. Cultivator. No. 1,407,647; Feb. 21.
- Elliot, Irwin. (See Baker, R. E., Ford, and Elliott.)
- Emerson, Fred S. (See Emerson, Loender C. and F. S.)
- Emerson, Loender C. and F. S., Los Angeles, Calif. Door latch. No. 1,407,395; Feb. 21.
- English, Samuel, Pittsburgh, Pa. Track terminal. No. 1,407,396; Feb. 21.

- Epstein, Abraham N., New York, N. Y., assignor of one-half to C. Marx, Brooklyn, N. Y. Decorated article. No. 1,407,461; Feb. 21.
- Eriesson Manufacturing Company. (See Mörcck, Knut H., assignor.)
- Esch, Henry S., New York, N. Y. Antislip armor for cushion tires. No. 1,407,522; Feb. 21.
- Etheredge, James N. (See Brown, Thomas E., assignor.)
- Evans, Alfred C., Hawthorne, N. J. Filter valve. No. 1,407,397; Feb. 21.
- Evans, James W. (See Levenhagen, F. A., and Evans.)
- Evans, Ralph D., Salt Lake City, Utah. Radiator hanger. No. 1,407,263; Feb. 21.
- Fagool, Rollic B., Oakland, Calif. Coupling for vehicles. No. 1,407,019; Feb. 21.
- Fairbanks, Ernest H., Merchantville, N. J. Tone-modulating device for talking machines. No. 1,407,523; Feb. 21.
- Fairfield Shipbuilding & Engineering Company Limited. (See Robertson, William, assignor.)
- Falke, Jean, M. C., Paris, and T. H. M. Salce, Lyon, France. Vehicle. No. 1,407,643; Feb. 21.
- Farley, Catherine J., Exeter, England. Collapsible receptacle. No. 1,407,054; Feb. 21.
- Farnsworth, Hilarand R., assignor to The Sandusky Foundry & Machine Co., Sandusky, Ohio. Feltless wet machine for paper making. No. 1,407,398; Feb. 21.
- Fasson, Patsy Mount Pleasant, Pa. Portable building. No. 1,407,462; Feb. 21.
- Fenton, John F., Kansas City, Kans. Holdup frustrator. No. 1,407,399; Feb. 21.
- Ferdinand Gros & Bouchardy. (See Guye, Philippe A., assignor.)
- Ferrari, Charles G., Philadelphia, Pa. Preservative waterproof and moldproof compound for wrapped food products and producing the same. No. 1,407,400; Feb. 21.
- Ferrell, Albert R., Chevy Chase, Md. Window-sash operating and locking mechanism. No. 1,407,055; Feb. 21.
- Ferrier, George B. (See Mackay, Alfred, assignor.)
- Fetterman, Charles R., Butte, Mont. Camping furniture. No. 1,407,463; Feb. 21.
- Fine, Bernard M., East Orange, assignor to W. J. Hawkins, Montclair, N. J. Thermostatic switch. No. 1,407,020; Feb. 21.
- Fitz-Empire Double Pivot Last Company. (See Whipple, Leland B., assignor.)
- Fitz Gerald, James. (See Tidwell, John W., assignor.)
- Flack, John. (See Schepp, P. S., and Flack.)
- Fligor, Albert R., assignor of one-third to M. L. Fligor, Cleveland, Ohio. Self closing and opening gate for elevators. No. 1,407,138; Feb. 21.
- Fligor, Mary L. (See Fligor, Albert R., assignor.)
- Flotow, Louis C. (See Koch, A. G., and Flotow.)
- Foote, Lewis A., Silver Creek, N. Y. Punching tool. No. 1,407,056; Feb. 21.
- Ford, Earley H. (See Baker, R. E., Ford, and Elliott.)
- Fourchy, Richard, Alameda, Calif. Fruit-pitting machine. No. 1,407,524; Feb. 21.
- Fowler, Alfred B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Rotary cutter head. No. 1,407,021; Feb. 21.
- Fowler, Ernest U., Tustin, Calif. Tree stay. No. 1,407,139; Feb. 21.
- Fox, Harry, Cincinnati, Ohio. Window-sash fastener. No. 1,407,022; Feb. 21.
- Fox, John M., et al. (See Storey, William H., assignor.)
- Franco, Mario, Turin, Italy. Seamless head and part of toys of felt or the like. No. 1,407,649; Feb. 21.
- Freeman, James I., and L. J. Peterson, Modesto, Calif. Pneumatic-tire casing. No. 1,407,401; Feb. 21.
- Fried, Krupp Aktiengesellschaft. (See Just, Heinrich, assignor.)
- Fried, Krupp Aktiengesellschaft Germaniawerft. (See Kübler, Gottfried, assignor.)
- Friesen, Peter F., Hillsboro, Kans. Coin stacker. No. 1,407,140; Feb. 21.
- Frisbie, William J., assignor to Justrite Manufacturing Company, Chicago, Ill. Acetylene lamp. No. 1,407,141; Feb. 21.
- Frisbie, William J., assignor to Justrite Manufacturing Company, Chicago, Ill. Spark-producing mechanism. No. 1,407,142; Feb. 21.
- Frisbie, William J., assignor to Justrite Manufacturing Company, Chicago, Ill. Spark-producing mechanism. No. 1,407,143; Feb. 21.
- Frost, George, Company. (See Moore, Roswell A., assignor.)
- Fry, Frank B., Newark, N. J., assignor to The H. A. Wilson Company. Platinum alloy. No. 1,407,525; Feb. 21.
- Fuhlrott, Arnold A., Wisner, Nebr. Corn-busking machine. No. 1,407,057; Feb. 21.
- Fullmer, Curtis S. (See Fullmer, John H., assignor.)
- Fullmer, John H., Buffalo, assignor of one-half to C. S. Fullmer, New York, N. Y. Diestock and tap wrench. No. 1,407,058; Feb. 21.
- Funk, John H., St. Louis, Mo. Knuckle-guiding attachment for car couplings. No. 1,407,402; Feb. 21.
- Gaines, Ernest L., Seattle, Wash. Identifying tag for umbrellas. No. 1,407,144; Feb. 21.
- Garbe, Reinhold H., Yakima, Wash. Combined holder for coupon books and ice picks. No. 1,407,464; Feb. 21.
- Garst, Dudley, Waterloo, Iowa. Reversible-seat stool. No. 1,407,403; Feb. 21.
- Gasteiner, John, Detroit, Mich. Internal chuck. No. 1,407,145; Feb. 21.
- Gatchell, George S., Roselle Park, N. J., assignor to The Singer Manufacturing Company. Differential feeding mechanism for sewing machines. No. 1,407,023; Feb. 21.
- Geer, Harry R., Johnston, Pa. Drilling machine. No. 1,407,059; Feb. 21.
- Geese, Jeremiah, Aberdeen, Md. Broom holder. No. 1,407,025; Feb. 21.
- General Electric Company. (See Gilson, Emery G., assignor.)
- General Electric Company. (See Huggins, George C., assignor.)
- General Railway Signal Company. (See Howe, Winthrop K., assignor.)
- Gentile, Joseph, Brooklyn, N. Y. Clamp. No. 1,407,650; Feb. 21.
- Gibbons, Nathan A., Martins Ferry, Ohio, assignor to Whittaker-Glessner Company, Wheeling, W. Va. Hog trough. No. 1,407,404; Feb. 21.
- Giles, Walter D., Leesville, La. Coupling for sucker rods. No. 1,407,327; Feb. 21.
- Gillette-Vibber Co., The. (See Vibber, Wheeler H., assignor.)
- Gilling, Ethelbert N., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Tandem steam hydraulic apparatus. No. 1,407,146; Feb. 21.
- Gilpin, William R. (See Druitt, P. W., and Gilpin.)
- Gilson, Emery G., Schenectady, N. Y., assignor to General Electric Company. Carburetor. No. 1,407,024; Feb. 21.
- Girard, Albert G., assignor of one-half to F. A. Amidon, Worcester, Mass. Furniture. No. 1,407,405; Feb. 21.
- Glazebrook, Thomas L., Minneapolis, Minn. Hay-sling take-up. No. 1,407,406; Feb. 21.
- Glazebrook, Thomas L., et al. (See Callaghan, George H. and J. L., assignors.)
- Glenzer, John C., Detroit, Mich. Counterbore. No. 1,407,328; Feb. 21.
- Glisci, Vito, Waterbury, Conn. Automatic dispensing water cooler. No. 1,407,264; Feb. 21.
- Glorie Underwear Mill et al. (See Bausher, S. D., and Reed, assignors.)
- Glover, Charles G., Watertown, Mass. Casing and stand. No. 1,407,526; Feb. 21.
- Going, William J., Schenectady, N. Y., assignor to The Klauder-Weldon Dyeing Machine Company, Jenkintown, Pa. Dyeing machine. No. 1,407,265; Feb. 21.
- Goldich, David, Winsted, Conn. Electric-fixture fitting and making same. No. 1,407,527; Feb. 21.
- Goodwin, William N., Jr., assignor to Weston Electrical Instrument Company, Newark, N. J. Thermal ammeter. No. 1,407,147; Feb. 21.
- Goodyear Redwood Co. (See Lawson, Davenport, assignor.)
- Gordon, William, Union, N. J. Wrench. No. 1,407,528; Feb. 21.
- Gould Coupler Company. (See Bouché, William F., assignor.)
- Graemiger, Benjamin, assignor to Aktiengesellschaft der Maschinenfabriken Escher Wyss & Co., Zurich, Switzerland. Device for measuring or controlling the velocity of flowing fluids. No. 1,407,060; Feb. 21.
- Graphic Score Book Company, The. (See Smythe, William W., Jr., assignor.)
- Grass, Zack, Heiner, Ky. End-gate raiser for mine cars. No. 1,407,329; Feb. 21.
- Gravert, Peter, Omaha, Nebr. Rolling-drum plow. No. 1,407,407; Feb. 21.
- Gray, George F., Pittsburgh, Pa. Lightning arrester. No. 1,407,061; Feb. 21.
- Gray, Sim A., Chattanooga, Tenn. Auxiliary automobile seat. No. 1,407,408; Feb. 21.
- Green, Augustus A. (See Shaw, Frederick A., assignor.)
- Greenfield, Frank A., Perry, Okla. Antiskid device. No. 1,407,529; Feb. 21.
- Greenough, Henry B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Applying apparatus. No. 1,407,026; Feb. 21.
- Gregg, Lucien L., Olympia, Wash. Lumber-jack's platform. No. 1,407,651; Feb. 21.
- Griffin, Albert N., Denton, Md. Gate and post construction. No. 1,407,062; Feb. 21.
- Griswold, Robbins N., Bridgeport, Conn. Circuit distributor. No. 1,407,266; Feb. 21.
- Grotnes, Charles G., Chicago, Ill. Forming machine. No. 1,407,148; Feb. 21.
- Grotta, Bennett. (See Cook, R. M., and Grotta.)
- Grover, Albert D., New York, N. Y., assignor to Autosales Corporation. Vending-machine indicator. No. 1,407,063; Feb. 21.
- Grunewald, Edward F., Kamiah, Idaho. Mirror adjuster. No. 1,407,149; Feb. 21.
- Gstalter, Paul A., Pittsburgh, Pa., assignor to The Ohio Varnish Company, Cleveland, Ohio. Graining tool. No. 1,407,150; Feb. 21.
- Guerrant, John L., Sedalia, Mo. Freight-car door. No. 1,407,064; Feb. 21.
- Guberson Corporation, The. (See Montgomery, Gustavus A., assignor.)
- Gulf Refining Company. (See Alexander, Clive M., assignor.)

- Guye, Philippe A., Geneva, Switzerland, assignor to Ferdinand Gros & Bouchardy, Paris, France. Manufacture of nitric acid. No. 1,407,530; Feb. 21.
- Haber, Henry J., assignor of thirty per cent to P. North, thirty per cent to G. M. Potter, and ten per cent to W. Hoyt, Cleveland, Ohio. Treating charcoal. No. 1,407,531; Feb. 21.
- Hackländer, Max, Neviges, Germany. Lock. No. 1,407,269; Feb. 21.
- Hackländer, Max, Naviges, Germany. Padlock. No. 1,407,267; Feb. 21.
- Hadfield, Robert A., Westminster, A. G. M. Jack, and A. B. H. Clerke, Sheffield, England. Capped armor-piercing projectile. No. 1,407,532; Feb. 21.
- Haines, Thomas H. (See Kasson, C. L., and Haines.)
- Halcumb, George E., Winthrop, Calif. deceased; R. L. Halcumb, executor. Bandage cutter. No. 1,407,151; Feb. 21.
- Halcumb, Robert L., executor. (See Halcumb, George E.)
- Hall, John W., assignor of one-half to M. V. Ausherman, Springfield, Mo. Game. No. 1,407,027; Feb. 21.
- Halloran, John J., New York, N. Y. Cutting block for trimming machines. No. 1,407,268; Feb. 21.
- Hallvarson, Peter W., Black Diamond, Alberta, Canada. Pocketknife. No. 1,407,652; Feb. 21.
- Hammond, John H., Jr., Gloucester, Mass. Floating mine and controlling same. No. 1,407,653; Feb. 21.
- Handford, Arthur W., Evanston, assignor, by mesne assignments, to American Seamless Container Company, St. Charles, Ill. Forming fibrous pulp pails, receptacles, and other articles. No. 1,407,409; Feb. 21.
- Hanna, Morris, New York, N. Y. Toy boat. No. 1,407,410; Feb. 21.
- Hans, Edmund E., Detroit, Mich. Traction wheel. No. 1,407,153; Feb. 21.
- Hansen, Karen M., Silkeborg, Denmark. Doll. No. 1,407,270; Feb. 21.
- Hansen, Louis P., Burns, Kans. Well-drill jack. No. 1,407,654; Feb. 21.
- Harkins, Donald G., Canton, N. C. Aeroplane propeller. No. 1,407,271; Feb. 21.
- Harkins, Donald G., Canton, N. C. Aeroplane propelling means. No. 1,407,272; Feb. 21.
- Harland and Wolff, Limited. (See Harvey, R., and Holmes, assignors.)
- Harlow, Harry, assignor of four-tenths to J. M. Yewell, Louisville, Ky. Forced-hot-air heater. No. 1,407,411; Feb. 21.
- Harper, Alfred U., Evanston, Ill., assignor to American Telephone and Telegraph Company. Transmission-equalization arrangement. No. 1,407,028; Feb. 21.
- Harper, Clarence S. (See Hedrick, J. W., and Harper.)
- Harrell, Arthur C. (See Le Baron, L. and Harrell.)
- Harvey, Ralph, and A. Holmes, assignors to Harland and Wolff, Limited, Glasgow, Scotland. Furnace for locally heating metals. No. 1,407,412; Feb. 21.
- Haskin, Joseph J., Stockton, assignor of one-half to T. H. Roscoe, Alameda, Calif. Combination lock. No. 1,407,273; Feb. 21.
- Hasselquist, Hugo S., Oak Park, assignor to Collins Rotary Safety Razor Company, Chicago, Ill. Centrifugal governor. No. 1,407,413; Feb. 21.
- Hatanou, Itachi, Kimitsu-Gun, Chiba-Ken, Japan. Pilot compartment for aeroplanes. No. 1,407,414; Feb. 21.
- Hatt, Joseph A. H., New York, N. Y. Photoprocess screen and preparing same. No. 1,407,029; Feb. 21.
- Hawkins, Wilford J. (See Fine, Bernard M., assignor.)
- Hazard, Edmund L., Hollister, Idaho. Wrench. No. 1,407,152; Feb. 21.
- Headson, Frank A., Milwaukee, Wis. Paper machine. No. 1,407,154; Feb. 21.
- Heany, John A., New Haven, Conn., assignor, by mesne assignments, to Rockbestos Products Corporation. Machine for manufacturing asbestos yarn. No. 1,407,685; Feb. 21.
- Heany, John A., New Haven, Conn., assignor, by mesne assignments, to Rockbestos Products Corporation. Treating asbestos. No. 1,407,686; Feb. 21.
- Hedrick, Joseph W., and C. S. Harper, Ottumwa, Iowa. Adjustable throw board and rack for wagon boxes and other vehicles. No. 1,407,415; Feb. 21.
- Heer, Otto F., assignor of one-half to F. Van Pelt, Ontario, Calif. Drill. No. 1,407,348; Feb. 21.
- Heine, Albert F., Quincy, Ill. Bath device. No. 1,407,030; Feb. 21.
- Heller Brothers Company. (See Logan, Colin M., assignor.)
- Hempel, Aage J. N., and O. A. E. Jacobsen, Durban, Natal, South Africa. Carburetor. No. 1,407,155; Feb. 21.
- Hempy-Cooper Manufacturing Company. (See Hempy, Wilbur J., assignor.)
- Hempy, Wilbur J., Ottawa, Kans., assignor to Hempy-Cooper Manufacturing Company. Boring machine. No. 1,407,031; Feb. 21.
- Hensley, Lee W., Mexia, Tex. Hub attachment. No. 1,407,533; Feb. 21.
- Hering, Fredrick N., assignor to T. Howard, New York, N. Y. Luminous composition. No. 1,407,534; Feb. 21.
- Heth, Leonidas S., and F. C. Palmerlee, Grand Rapids, Mich. Driving mechanism. No. 1,407,032; Feb. 21.
- Hetherington, John and Sons Limited. (See Ross, Thomas, assignor.)
- Hibbert, Harold, Toronto, Ontario, Canada, assignor to The Commercial Research Company. Tobacco. No. 1,407,274; Feb. 21.
- Hill, Lewis D. (See Hill, Myron F. and L. D.)
- Hill, Myron F., New Rochelle, and L. D. Hill, Mount Vernon, assignors of two-thirds to E. H. Lysle, New York, N. Y. Motion-picture camera. No. 1,407,535; Feb. 21.
- Hiller, Joseph L., Mattapoisett, Mass., assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Retarder feeder for crushing machines. No. 1,407,330; Feb. 21.
- Hilton, Roland C., assignor to Reece-Hilton, Inc., Troy, N. Y. Compressor. No. 1,407,275; Feb. 21.
- Hodgen, Clayton W., Kansas City, Kans. Window frame. No. 1,407,536; Feb. 21.
- Hodges, Walter E., and C. F. Larzelere, Flint, Mich. Fishing-line reel. No. 1,407,537; Feb. 21.
- Hoelzel, John. (See Stephens, W. E., and Hoelzel.)
- Hoffman, Dillon, and F. Easton, New York, N. Y. Lock. No. 1,407,538; Feb. 21.
- Holland, Victor C., Keene, N. H. Reproducer. No. 1,407,539; Feb. 21.
- Holmes, Alexander. (See Harvey, R., and Holmes.)
- Holsinger, Charles, Kendallville, Ind. Metallic fence post. No. 1,407,540; Feb. 21.
- Homann, Albert, Pittsburgh, Pa. Nut-locking tool. No. 1,407,276; Feb. 21.
- Horn, Joseph V., Douglassville, Pa. Coin indicating and checking mechanism. No. 1,407,541; Feb. 21.
- Hornstein, Emil, Vienna, Austria. Manufacture of slabs of compressed cork. No. 1,407,655; Feb. 21.
- Horton, Bryson D., Detroit, Mich. Electrical switch. No. 1,407,416; Feb. 21.
- Horton, Charles M., Elizabeth, N. J., assignor to The Singer Manufacturing Company. Sewing machine. No. 1,406,984; Feb. 21.
- Houston, William L., Carrsville, Ky. Automatic wagon brake. No. 1,407,542; Feb. 21.
- Howard, Thomas. (See Hering, Fredrick N., assignor.)
- Howard, William H., et al. (See Taylor, Burt E., assignor.)
- Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Automatic train-control system. No. 1,407,065; Feb. 21.
- Howie, Kenneth, Philadelphia, assignor to Wildman Manufacturing Company, Norristown, Pa. Needle-Pressing means for knitting machines. No. 1,407,684; Feb. 21.
- Hoyer, Edward J. (See Seror, Albert Z., assignor.)
- Hoyt, Worthington, et al. (See Haber, Henry J., assignor.)
- Hubbard, Roscoe C., New York, N. Y. Film-drying nozzle. No. 1,407,543; Feb. 21.
- Huelves, Claudio G., Santa Clara, Cuba. Cutter. No. 1,407,417; Feb. 21.
- Huggins, George C., Lynn, Mass., assignor to General Electric Company. Field-winding machine. No. 1,407,033; Feb. 21.
- Hulbert, John L., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Milking-machine system. No. 1,407,034; Feb. 21.
- Hunt, John M., Charlottesville, W. Va. Headlight. No. 1,407,544; Feb. 21.
- Hunt, Ormond E., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. No. 1,407,418; Feb. 21.
- Huntley, Alton K., Clyde, Ohio, assignor to National Carbon Company, Inc. Electric battery. No. 1,407,035; Feb. 21.
- Husted, Monroe G., Bridgeton, N. J. Tool-grinding attachment for lathes. No. 1,407,419; Feb. 21.
- Hybinette, Noah V., Ottawa, Ontario, Canada, assignor to Kristiansands Nikkelfraffineringsverke, Christiansands, S. Norway. Extraction and recovery of copper. No. 1,407,420; Feb. 21.
- Hyndman, Alexander H., Chicago, Ill. Magneto. No. 1,407,421; Feb. 21.
- Icenhour, Albert A., assignor to Virginia Plate Glass Corporation, Arlington, Va. Glass-plate manufacture. No. 1,407,036; Feb. 21.
- Ingborg, Simon H., Elmhurst, Ill. Concrete-column cap. No. 1,407,277; Feb. 21.
- Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
- Ingersoll-Rand Company. (See Stage, Harold I., assignor.)
- Ingram, John D., Texarkana, Tex. Napkin-dispensing device. No. 1,407,156; Feb. 21.
- International Motor Company. (See Price, William T. R., assignor.)
- International Precipitation Company. (See Witte, Gustav A., assignor.)
- Interstate Electric Novelty Company. (See Dam, Henry R., assignor.)
- Irving, Robert H., Gramercy, La. Fuel-regulating system. No. 1,407,422; Feb. 21.
- Isambert, Constant. (See Dutkiewicz, V., and Isambert.)
- Jack, Alexander G. M. (See Hadfield, R. A., Jack, and Clerke.)
- Jackson, James E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Channel-opening machine. No. 1,407,037; Feb. 21.
- Jackson, Simeon S., Boston, assignor, by mesne assignments, to The Stafford Company, Readville, Boston, Mass. Woff-replenishing mechanism for looms. No. 1,407,423; Feb. 21.

ALPHABETICAL LIST OF PATENTEES.

- Jacobsen, Olaf A. E. (See Hempel, A. J. N., and Jacobsen.)
- Jaynes, Alfonso L., Buffalo, N. Y. Card-index cabinet. No. 1,407,656; Feb. 21.
- Jenkins, David R., Oakland, Calif. Convertible open and closed vehicle top. No. 1,407,278; Feb. 21.
- Jensen, Louis, assignor to United Autographic Register Co., Chicago, Ill. Paper-feeding mechanism. No. 1,407,424; Feb. 21.
- Jessen, Charles C., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Electrical fuse head and manufacturing same. No. 1,407,157; Feb. 21.
- Jobski, Otto H., assignor to The Standard Parts Company, Cleveland, Ohio. Rim. No. 1,407,545; Feb. 21.
- Johanson, Edwin, Troy, Idaho. Oil can. No. 1,407,657; Feb. 21.
- John, Hermon, Tacoma, Wash. Composition for making briquettes. No. 1,407,279; Feb. 21.
- Johnson, Adrian, Bradford, Pa. Protecting shoe for washboilers. No. 1,407,066; Feb. 21.
- Johnson, Frank E., Greensburg, Pa. Coating metal articles. No. 1,407,067; Feb. 21.
- Johnson, James H., assignor of forty-nine per cent to A. L. Smith, Kansas City, Mo. Portable kitchenette. No. 1,407,158; Feb. 21.
- Johnson, James P., Cleveland Heights, Ohio. Gear and screw cutting mechanism. No. 1,406,985; Feb. 21.
- Johnson, Nels J., Wallingford, Iowa. Cement-post mold. No. 1,407,196; Feb. 21.
- Johnson, Philip H., Old Charlton, assignor to Roadless Traction Limited, London, England. Means of suspension of vehicles. (Reissue.) No. 15,288; Feb. 21.
- Johnson, Thomas J., Norman, Okla. Rain gauge. No. 1,407,068; Feb. 21.
- Johnston, Alexander, assignor to The North British Rubber Company Limited, Edinburgh, Scotland. Fabric used in the manufacture of balloons and dirigible airships. No. 1,407,197; Feb. 21.
- Jones, Thomas H., Albia, Iowa. Top for vehicles. No. 1,407,198; Feb. 21.
- Joseph, Felix A., Hong Kong, China. Twist drill. No. 1,407,546; Feb. 21.
- Judge, John J., Jessup, Pa. Direction signal for motor vehicles. No. 1,407,199; Feb. 21.
- Juer, George, Philadelphia, Pa. Automatic regulator for artificial-silk machines. No. 1,407,280; Feb. 21.
- Junkers, Hugo, Dessau, Germany. Stabilization of flying machines. No. 1,407,425; Feb. 21.
- Just, Heinrich, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Range and position finder. No. 1,407,281; Feb. 21.
- Justrite Manufacturing Company. (See Frisbie, William J., assignor.)
- Justrite Manufacturing Company. (See Schmidt, Charles J., assignor.)
- Kahns, Walter R., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Electric-candle lighting fixture. No. 1,407,465; Feb. 21.
- Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Combination lighting and ignition switch. (Reissue.) No. 15,289; Feb. 21.
- Karlsson, Walfrid, Viggyholm, assignor to Aktiebolaget Tubus, Stockholm, Sweden. Water heater. No. 1,407,282; Feb. 21.
- Karr, John R., and C. L. Sheppard, Tracy, Calif. Hydrocarbon burner. No. 1,407,283; Feb. 21.
- Kasson, Charles L., Mattapan, and T. H. Haines, Dorchester, Mass. Method of and apparatus for insulation testing. No. 1,407,069; Feb. 21.
- Kibbe Brothers Company. (See Lyons, John F., assignor.)
- Kindell, Charles E., administrator. (See Leech, Charles M.)
- King, John P., assignor of one-half to L. E. Danforth, Providence, R. I. Forming tire casings. No. 1,407,159; Feb. 21.
- Kirby, James B., Cleveland, Ohio. Washing machine. No. 1,407,201; Feb. 21.
- Kishpaugh, Hampton C., Raymond, Minn. Composition for paint. No. 1,407,662; Feb. 21.
- Klauder-Weldon Dyeing Machine Company, The. (See Going, William J., assignor.)
- Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Declutchable safety collar for rotatable nuts. No. 1,407,160; Feb. 21.
- Klocke, William, New York, assignor to E. W. Bliss Company, Brooklyn, N. Y. Press. No. 1,407,161; Feb. 21.
- Kloneck, Austen J., New York, N. Y. Lantern lens. No. 1,407,427; Feb. 21.
- Knoll, Anthony V., Davenport, Iowa. Radiator. No. 1,407,428; Feb. 21.
- Knouff, Charles E., Canton, Ohio. Signboard. No. 1,407,548; Feb. 21.
- Koch, Albert G., and L. C. Flotow, Appleton, Wis. Carburetor heater. No. 1,407,285; Feb. 21.
- Kouns, Wesley, Salina, Kans. Hayrake. No. 1,407,663; Feb. 21.
- Kraker, Adeline M. (See Lotz, Rudolph W., assignor.)
- Kremer, Franklin W., Rutherford, N. J. Combined pneumatic and solid tire. No. 1,407,070; Feb. 21.
- Kristianssands Nikkelrafineringsverke. (See Hybinette, Noak V., assignor.)
- Kubler, Gottfried, assignor to Fried. Krupp Aktiengesellschaft Germaniawerft, Kiel-Gaarden, Germany. Joining metal articles. No. 1,407,202; Feb. 21.
- Kuebler, Elias, and O. Niederberger, New York, N. Y. Holder for growing plants. No. 1,407,664; Feb. 21.
- Kuehnle, William, Woodhaven, N. Y. Safety guard. No. 1,407,203; Feb. 21.
- Keller, Jeremiah, Chicago, Ill., assignor to J. E. Rosenfeld, Omaha, Neb. Rotary valve for internal-combustion engines. No. 1,406,986; Feb. 21.
- Kellogg, Edwin M., Moline, Ill. Repeating mechanism for phonographs. No. 1,407,547; Feb. 21.
- Kellogg Switchboard and Supply Company. (See Kaisling, William, assignor.) (Reissue.)
- Kelly, James P., New York, N. Y. Wristlet. No. 1,407,658; Feb. 21.
- Kelly Springfield Tire Company. (See de Giers, Clarence A., assignor.)
- Kelly, William J., Youngstown, Ohio. Hose supporter. No. 1,407,200; Feb. 21.
- Kelvinator Corporation. (See Dennedy, James H., assignor.)
- Kelvinator Corporation. (See Wicks, Maurice A., assignor.)
- Kemp, James R., Newbury, England. Rotary engine adaptable as motor, pump, or meter. No. 1,407,426; Feb. 21.
- Kemp, James R., Newbury, England. Rotary engine adaptable as motor, pump, or meter. No. 1,407,659; Feb. 21.
- Kemper, Charles W. and J. T., Alameda, Calif. Cable clamp. (Reissue.) No. 15,290; Feb. 21.
- Kemper, John T. (See Kemper, Charles W. and J. T.) (Reissue.)
- Kendall, William G., Newark, N. J. Vanity case. No. 1,407,660; Feb. 21.
- Kent, Arthur A., Ardmore, assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Ignition-control apparatus. No. 1,407,284; Feb. 21.
- Kent, Arthur A., Ardmore, assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Ignition-control apparatus. No. 1,407,466; Feb. 21.
- Kent, Clarence H. (See Mills, W. and Percy, assignors.)
- Kenton, Levi C., Chattanooga, Tenn. Shoe. No. 1,407,661; Feb. 21.
- Keys, Walter C., assignor to The Standard Parts Company, Cleveland, Ohio. Rim. No. 1,407,467; Feb. 21.
- La Bombard, Leon E., assignor to Specialty Automatic Machine Company, Chelsea, Mass. Machine for making boxes. No. 1,407,331; Feb. 21.
- Lancaster, George W., assignor to Perfected Window Company, Richmond, Va. Counterbalancing sash for main window sashes. No. 1,407,549; Feb. 21.
- Landan, Louis B. (See Caryl, Harry S., assignor.)
- Lapp, John, Rochester, N. Y. Method and machine for forming impressions in plastic articles. No. 1,407,550; Feb. 21.
- Larsen, Erma O., et al., executors. (See Larsen, Leon V.)
- Larsen, Leon V., deceased, Paris, Tex., by M. F. Larsen, Paris, Tex., and E. O. Larsen, Chicago, Ill., executors. Foot-margin regulator and indicator attachment for type-writing machines. No. 1,407,071; Feb. 21.
- Larsen, May F., et al., executors. (See Larsen, Leon V.)
- Larzelere, Charles F. (See Hodges, W. E., and Larzelere.)
- Laughlin, Elmyr A., Oregon, Ill. Car bolster. No. 1,407,551; Feb. 21.
- Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-attaching machine. No. 1,406,990; Feb. 21.
- Lawson, Davenport, assignor to Goodyear Redwood Co., Elk, Calif. Cableway carriage. No. 1,406,987; Feb. 21.
- Le Baron, Leonard, and A. C. Harrell, Pensacola, Fla. Automatic train-pipe coupling. No. 1,407,665; Feb. 21.
- Lehman, John G., assignor to Bethlehem Foundry & Manufacturing Company, Bethlehem, Pa. Temperature control of kettles by zones. No. 1,407,666; Feb. 21.
- Lee, Bernard S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Mounting for electrical appliances. No. 1,406,988; Feb. 21.
- Lee, Forrest M., Geneva, Ind. Bit-dressing machine. No. 1,407,286; Feb. 21.
- Leech, Charles M., deceased, Cleveland, Ohio, C. E. Kindell, administrator. Internal-combustion engine. No. 1,407,468; Feb. 21.
- Leith, Thomas G. (See Smith, J. H., Brand, and Leith.)
- Levenhagen, Frederick A., and J. W. Evans, Cleveland, Ohio. Paint oil and making the same. No. 1,407,469; Feb. 21.
- Levitt, Arthur F., Los Angeles, Calif. Hollow wall construction. No. 1,407,349; Feb. 21.
- Lewis, Lloyd V., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling system. No. 1,407,287; Feb. 21.
- Lichtenberg, Fred, and M. McCarthy, Yonkers, N. Y. Concrete partition. No. 1,406,989; Feb. 21.
- Limacher, Walter P., Pasadena, Calif. Bumper bracket. No. 1,407,350; Feb. 21.
- Lindsay Light Company. (See Ryan, Lonnie W., assignor.)
- Ling, Francis E. (See Reif, Joseph, assignor.)
- Lins, Fred E. (See Radechovsky, Frank, assignor.)
- Lipsett, Thomas L. (See Slye, John Q., assignor.)
- Ljungström, Fredrik, Brevik-Lidingön, and I. Broberg, Tallhyddan Lidingön, Sweden, assignors to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden. Locomotive condenser. No. 1,407,072; Feb. 21.

- Locomobile Company, The. (See Roos, Delmar G., assignor.)
- Loffler, Edmund. (See de Lukasevics, C., and Loffler.)
- Lofts, George H., Tasmania, Hobart, Australia. Electric irons fitted with a current indicator. No. 1,407,430; Feb. 21.
- Logan, Colin M., assignor to Heller Brothers Company, Newark, N. J. Making rings for cutting rubber and other material. No. 1,407,470; Feb. 21.
- Lombard, Nathaniel, Worcester, Mass. Fuel-feeding device for internal combustion engines. No. 1,407,204; Feb. 21.
- Longworth, Howard B. (See Moore, Clyde, assignor.)
- Lotz, Rudolf W., Chicago, Ill., assignor to A. M. Kraker, Minneapolis, Minn. Fountain pen. No. 1,407,552; Feb. 21.
- Louison, Alfred B., Rockford, Ill. Crutch. No. 1,407,553; Feb. 21.
- Lyons, John F., West Springfield, assignor to Kibbs Brothers Company, Springfield, Mass. Cardboard display box. No. 1,407,073; Feb. 21.
- Lysle, Edmond H. (See Hill, Myron F. and L. D., assignors.)
- MacKay, Alfred, Philadelphia, Pa., assignor to G. B. Ferrier, Moorestown, N. J. Rotary drier. No. 1,406,991; Feb. 21.
- MacLeod, Angus P. (See MacLeod, George S., assignor.)
- MacLeod, George S., assignor of one-half to A. P. MacLeod, Seattle, Wash. Universal bracket for automobile bumpers or fenders. No. 1,407,431; Feb. 21.
- Magnetic Manufacturing Co. (See Bethke, J. P., and Stearns, assignors.)
- Mahannah, Everett A. (See Smith, M. O., and Mahannah.)
- Mapes, Charles M., Rutherford, N. J. Pipe. No. 1,407,038; Feb. 21.
- Mark, Louis and P. Bialy, Portland, Oreg. Spring wheel. No. 1,407,669; Feb. 21.
- Mariotti, Robert H., Bremerton, Wash. Radio receiving system. No. 1,407,205; Feb. 21.
- Marris, Frank M., Adel, Iowa. Kiln furnace. No. 1,407,288; Feb. 21.
- Marshall Field & Company. (See Dufour, George H., assignor.)
- Marston, Howard F., Dayton, Ohio. Envelope-making machine. No. 1,407,206; Feb. 21.
- Martens, Friedrich, Hamburg, Germany, assignor, by mesne assignments, to The Chemical Foundation, Inc. Clamp or holder for writing pads or blocks. No. 1,406,992; Feb. 21.
- Martin, John C., Terre Haute, Ind. Device for holding milk bottles or the like. No. 1,407,432; Feb. 21.
- Martin, Joseph J., Nathalie, Va. Self-setting trap. No. 1,407,558; Feb. 21.
- Matson, Henry I., Astoria, Oreg. Wheel holder. No. 1,407,332; Feb. 21.
- Mason, William F., Los Angeles, Calif. Table. No. 1,407,039; Feb. 21.
- Matthews, Chauncy C. (See Miller, A., and Matthews.)
- Matthews, Samuel C., et al. (See Storey, William H., assignor.)
- Marx, Conrad. (See Epstein, Abraham N., assignor.)
- Maxwell, John, Camrose, Alberta, Canada. Power track-ballast shovel. No. 1,407,559; Feb. 21.
- Maxwell, Maxwell C., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Reinforced ring for pin-tumbler locks. No. 1,407,472; Feb. 21.
- Maxwell, Singleton A., Montour Falls, assignor of one-half to F. J. Seeley, Wellsville, N. Y. Reamer. No. 1,407,560; Feb. 21.
- Mayer, John, Minneapolis, Minn. Vehicle signal. No. 1,407,471; Feb. 21.
- McAuly, Arthur W., Oakmont, Pa. Electric brake. No. 1,407,207; Feb. 21.
- McCallum, Alexander, Menominee, Mich. Interchangeable tool-holder ferrule. No. 1,407,668; Feb. 21.
- McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. No. 1,407,289; Feb. 21.
- McCarthy, Michael. (See Lichtenberg, E., and McCarthy.)
- McCaughy, Joseph W., Geneva, Ohio. Polishing composition. No. 1,407,074; Feb. 21.
- McConley, Robert E., Whitcomb, Wis. Snowplow. No. 1,406,993; Feb. 21.
- McConnell, Edward H., Roanoke, Va. Apparatus for handling materials. No. 1,407,333; Feb. 21.
- McCredie, Reid J., Buffalo, N. Y. Radiator. No. 1,407,554; Feb. 21.
- McDougal, Douglas C., U. S. Marine Corps, assignor of one-half to H. C. Wilson, New York, N. Y. Rifle sight. No. 1,407,208; Feb. 21.
- McFarland, John I. (See Twiss, William J., assignor.)
- McFarland, Samuel E., Los Angeles, Calif., assignor to Cobb Shockless Crossing Corporation, New York, N. Y. Intersection-operating system. No. 1,407,209; Feb. 21.
- McGinnis, Baldy, Marshall, N. C. Drawing and spinning apparatus. No. 1,407,555; Feb. 21.
- McHenry, Samuel B., Bloomsburg, Pa. Automobile-engine-starting means. No. 1,407,556; Feb. 21.
- McLaren, Alexander. (See Sharp, Lee C., assignor.)
- McNary, James E., Chicago, Ill. Man pack carrier. No. 1,407,290; Feb. 21.
- McQuitty, Robert A., London, England. Manufacturing sheets of gelatin. No. 1,407,075; Feb. 21.
- McSpadden, Elbert A., Crawfordsville, Ind. Damper seat. No. 1,407,210; Feb. 21.
- McVicker, Robert J., New York, N. Y. Interchangeable tooth. No. 1,407,557; Feb. 21.
- Melaney, William H., Pittsburgh, Pa. Rolling mill. No. 1,407,334; Feb. 21.
- Melvin, Frederick M., La Plata, Mo. Plural-disk cushion clutch. No. 1,407,561; Feb. 21.
- Miller, Albert, and C. C. Matthews, assignors of two-thirds to C. F. Miller and one-third to A. Miller, Columbus, Ohio. Stool. No. 1,407,433; Feb. 21.
- Miller, Albert, et al. (See Miller, A., and Matthews, assignors.)
- Miller, Charles F., et al. (See Miller, A., and Matthews, assignors.)
- Miller Trolley Shoe Company. (See Whittaker, John L., assignor.)
- Miller, Zachary T., Bliss, Okla. Strap-end-attaching device. No. 1,407,291; Feb. 21.
- Mills, Bertie E., assignor to Mills Novelty Company, Chicago, Ill. Tremolo device for electric self-playing violins. No. 1,407,434; Feb. 21.
- Mills Novelty Company. (See Mills, Bertie E., assignor.)
- Mills, William Anacortes, and C. Percy, Bellingham, assignors of one-third to C. H. Kent, Seattle, Wash. Machine for refilling cans. No. 1,407,076; Feb. 21.
- Miner, Clarence E., assignor of one-half to E. Crooks, Concordia, Kans. Flexible conduit for bolters. No. 1,407,211; Feb. 21.
- Minnich, Mary C. (See Minnich, Simon B., assignor.)
- Minnich, Simon B., assignor to M. C. Minnich, Landisville, Pa. Press. No. 1,407,162; Feb. 21.
- Moffat, Frederick W., Weston, Ontario, Canada. Electric water heater. No. 1,406,994; Feb. 21.
- Montgomery, Gustavus A., assignor of one-half to The Guiberson Corporation, Dallas, Tex. Bit holding tool. No. 1,407,292; Feb. 21.
- Moore, Clyde, assignor of one-half to H. B. Longworth, Hominy, Okla. Automatic outlet valve for oil-well casings. No. 1,407,562; Feb. 21.
- Moore, David. (See Dotts, Christ F., assignor.)
- Moore, Roswell A., Waterbury, Conn., assignor to George Frost Company, Boston, Mass. Garter. No. 1,406,995; Feb. 21.
- Mörck, Knut H., assignor, by mesne assignments, to Ericsson Manufacturing Company, Buffalo, N. Y. Impulse starter. No. 1,407,077; Feb. 21.
- Morrill, Joseph B., St. Louis, Mo., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric-wave-ranging system. No. 1,406,996; Feb. 21.
- Morrison, Silvius J., Chico, Calif. Apparatus for wiring frames. No. 1,407,435; Feb. 21.
- Mott, Samuel D., Passaic, assignor of one-half A. B. Sullivan, Allendale, N. J. Aeroplane. No. 1,407,293; Feb. 21.
- Muellerweiss, Herman G., and B. E. Braun, Sebewaing, Mich. Oil-level indicator. No. 1,407,670; Feb. 21.
- Müller, Philipp, Leipzig, Germany, assignor, by mesne assignments, to The Chemical Foundation, Inc. Apparatus for evaporating liquids. No. 1,406,997; Feb. 21.
- Murray, Ethelbert T. R., Hertfordshire, England. Lamp fitting. No. 1,407,473; Feb. 21.
- Murray, Howard J., Brooklyn, N. Y. Automatic electric weight-measuring device for movable carriers. No. 1,407,078; Feb. 21.
- Myers, Bertha B., Los Angeles, Calif. Foldable sunshade frame. No. 1,407,040; Feb. 21.
- Myers, Samuel F., Los Angeles, Calif. Fireplace damper. No. 1,407,351; Feb. 21.
- Nalle, Ernest, et al., trustees. (See Paul, Christian F., Jr., assignor.)
- National Carbon Company. (See Benedict, Bernard, assignor.)
- National Carbon Company. (See Huntley, Alton K., assignor.)
- National Equipment Company. (See Bausman, Alonzo L., assignor.)
- National Tube Company. (See Pinkney, David H., assignor.)
- National Tube Company. (See Rosenkranz, Max, assignor.)
- Nelson, Jos. E., & Sons. (See Tanner, Inos B., assignor.)
- Nesbit, Joseph N. G., Atlanta, Ga. Horsepower calculator and recorder. No. 1,407,352; Feb. 21.
- Newell, Alfred T., Birmingham, Ala. Railway-track paving. No. 1,407,436; Feb. 21.
- New Jersey Patent Company. (See Shakespeare, William M., assignor.)
- Nicholas Power Company. (See Power, Nicholas, assignor.)
- Nichols, Emory D., Chicago, Ill. Penholder. No. 1,407,563; Feb. 21.
- Niederberger, Otto. (See Kuebler, E., and Niederberger.)
- Nielsen, Bertel A., Kvissel, Denmark. Apparatus for displaying light advertisements. No. 1,407,564; Feb. 21.
- Nielsen, Jens P., Chicago, Ill. Pencil clip. No. 1,407,474; Feb. 21.
- Nissen, Eugene F., Alameda, Calif. Safety envelope. No. 1,407,212; Feb. 21.
- Norden, Carl S., Haverhill, Mass. Process and machine for making welting. No. 1,407,294; Feb. 21.
- Nordbo, Olaf, Malden, Mass. Winding and sharpening apparatus. No. 1,407,475; Feb. 21.
- North British Rubber Company Limited. (See Johnstom, Alexander, assignor.)

- Northfield Iron Company. (See Brown, Chauncey L., assignor.)
- North, Paul, et al. (See Haber, Henry J., assignor.)
- Novick, Abraham, assignor to F. L. Smith Machine Company, Incorporated, New York, N. Y. Blank-locating device. No. 1,407,565; Feb. 21.
- Ny, Jules A., Berkeley, Calif. Process and apparatus for covering lithograph rolls. No. 1,407,163; Feb. 21.
- O'Brien, Thomas, Philadelphia, Pa. Insulated joint for railway rails. No. 1,407,566; Feb. 21.
- Ohio Varnish Company, The. (See Gstalder, Paul A., assignor.)
- Oishei, John R., Buffalo, N. Y. Windshield and the like. No. 1,407,164; Feb. 21.
- Olson, John A., Chicago, Ill., assignor to The S-P Manufacturing Company, Cleveland, Ohio. Collet chuck. No. 1,407,213; Feb. 21.
- O'Malley, John F., Mount Vernon, N. Y. Tripod for machine guns. No. 1,407,567; Feb. 21.
- Osborn, Leon, Zellwood, Fla. Toothbrush. No. 1,407,214; Feb. 21.
- Osborne, Harold S., New York, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. No. 1,406,998; Feb. 21.
- Outhier, Louis T., Eureka, Calif. Trolley. No. 1,407,353; Feb. 21.
- Overturf, Norman F., London, Ohio. Flying machine. No. 1,407,079; Feb. 21.
- Overturf, Norman F., Cleveland, Ohio. Propeller for airplanes and the like. No. 1,407,080; Feb. 21.
- Packard Motor Car Company. (See Hunt, Ormond E., assignor.)
- Pagé, Victor W., New York, N. Y. Fly wheel. No. 1,407,568; Feb. 21.
- Pajcau, Charles H., Evanston, Ill. Doll bag. No. 1,407,165; Feb. 21.
- Palmer, Charles G., Newark, N. J. Toy pistol. No. 1,407,166; Feb. 21.
- Palmerlee, Frank C. (See Heth, L. S., and Palmerlee.)
- Papiez, Johann, Berlin, Germany. Flying machine. No. 1,407,437; Feb. 21.
- Parker, George D., Riverside, Calif. Crate-head-making machine. No. 1,407,295; Feb. 21.
- Parke, Bertrand A., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Textile-drying machine. No. 1,407,081; Feb. 21.
- Parsonage, Edward E. (See Stout, J. N., and Parsonage.)
- Parsons, Stuart W., assignor to The Stanley Works, New Britain, Conn. Handle. No. 1,407,167; Feb. 21.
- Patents Holding Corporation. (See Prouty, Theodore C., assignor.)
- Paul, Christian F., Jr., assignor to E. Nalle, W. P. Allen, and E. Rosegren, trustees, Austin, Tex. Combined thrust bearing and driving mechanism. No. 1,407,296; Feb. 21.
- Payn, Frank M. (See Rook, H. N., and Payn.)
- Pedersen, Waldemar J., Floral Park, N. Y. Concrete form. No. 1,407,569; Feb. 21.
- Peirce, Ralph S., Hinsdale, Ill. Attaching device. No. 1,407,570; Feb. 21.
- Penhallow, John J., Mineral Point, Wis. Tire-chain fastener. No. 1,407,438; Feb. 21.
- Penning, Richard M., Clayton, Mo. Ice-marking machine. No. 1,406,999; Feb. 21.
- Pennsylvania Crusher Company. (See Hiller, Joseph L., assignor.)
- Percy, Clark. (See Mills, W., and Percy.)
- Perfected Window Company. (See Lancaster, George W., assignor.)
- Peterson, Arvid, assignor to De Laval Steam Turbine Company, Trenton, N. J. Combined pressure and speed governor for steam-operated pumps. No. 1,407,041; Feb. 21.
- Peterson, Carl A., Superior, Wis. Gas mixer. No. 1,407,476; Feb. 21.
- Peterson, Leonard J. (See Freeman, J. I., and Peterson.)
- Philadelphia Drying Machinery Company, The. (See Parkes, Bertrand A., assignor.)
- Philip, Peter C., Bowlus, Minn. Hay distributor. No. 1,407,571; Feb. 21.
- Phillips, Charles, Jr., Philadelphia, Pa. Telegraph transmitter. No. 1,407,572; Feb. 21.
- Pigly Wigly Corporation. (See Saunders, Clarence, assignor.)
- Pinkney, David H., Elyria, Ohio, assignor to National Tube Company, Pittsburgh, Pa. Pipe-sawing apparatus. No. 1,407,439; Feb. 21.
- Pisula, Michal, Chicago, Ill. Window sash. No. 1,407,573; Feb. 21.
- Plimpton, Bentley A., assignor to The Porcelain Insulator Corporation, Lima, N. Y. Strain clamp for electrical conductors. No. 1,407,477; Feb. 21.
- Pollinger, Isidor N., Brockton, Mass. Hose supporter. No. 1,407,082; Feb. 21.
- Pope, Alfred T., Louisville, Ky. Incubator. No. 1,407,671; Feb. 21.
- Porcelain Insulator Corporation, The. (See Plimpton, Bentley A., assignor.)
- Porcupine Manufacturing Company. (See Steell, Edgar M., assignor.)
- Post, Harold L., Appleton, Wis. Basket-ball game. No. 1,407,215; Feb. 21.
- Potter, George M., et al. (See Haber, Henry J., assignor.)
- Potter, Laurens D., Emmetsburg, Iowa. Radiator protector and air-control device. No. 1,407,216; Feb. 21.
- Powell, Arthur P. (See Blee, J. W. H., and Powell.)
- Power, Nicholas, Brooklyn, assignor to Nicholas Power Company, New York, N. Y. Signal attachment for film reels. No. 1,407,083; Feb. 21.
- Prater, Harry O., Clayton, Wash. Steam boiler. No. 1,407,217; Feb. 21.
- Prest-O-Lite Company, The. (See Skinner, H. O., and Smith, assignors.)
- Prest-O-Lite Company, The. (See Westlund, Albert F., assignor.)
- Pretsch, Frank, Philadelphia, Pa. Tool holder. No. 1,407,478; Feb. 21.
- Previtali, Mario L., Denver, Colo. Motor-cycle spring structure. No. 1,407,218; Feb. 21.
- Price, Albert O., assignor to J. A. Compton, Coshocton, Ohio. Phonograph resonance box. No. 1,407,574; Feb. 21.
- Price, William T. R., assignor to International Motor Company, New York, N. Y. Spring clip. No. 1,407,479; Feb. 21.
- Prismatone Co., The. (See Saalburg, Charles W., assignor.)
- Pritchard, Thomas W., Wilmington, N. C. Cleaning and scouring compound. No. 1,407,297; Feb. 21.
- Probst, Henry W., St. Paul, Minn. Bottle carrier. No. 1,407,480; Feb. 21.
- Prokupek, Frank, Millvale, Pa. Antiskid device and tire protector. No. 1,407,298; Feb. 21.
- Prouty, Theodore C., Elgin, assignor, by mesne assignments, to Patents Holding Corporation, Chicago, Ill. Controlling apparatus for delivering oxygen. No. 1,407,575; Feb. 21.
- Prym, Hans, Stolberg, Germany. Machine for mounting press buttons on cards. No. 1,407,576; Feb. 21.
- Pryor, Reginald C., Houghton, Mich. Amusement device. No. 1,407,084; Feb. 21.
- Pryor, Thomas J., Stanthorpe, Queensland, Australia. Wrench or spanner. No. 1,407,577; Feb. 21.
- Radechovsky, Frank, assignor to one-half to F. E. Lins, Milwaukee, Wis. Bundle tier. No. 1,407,481; Feb. 21.
- Rainey, Paul M., West Hoboken, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telegraph system. No. 1,407,042; Feb. 21.
- Rall, Hans R., Chicago, Ill. Railway switch. No. 1,407,219; Feb. 21.
- Rasmussen, Alfred B., Walnut, Iowa. Oil gauge. No. 1,407,220; Feb. 21.
- Rau, Henry V., Brooklyn, N. Y. Hook and eye. No. 1,407,482; Feb. 21.
- Rau, Henry V., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Marking button. No. 1,407,085; Feb. 21.
- Raymond Concrete Pile Company. (See Smith, Herman R., assignor.)
- Reddick, John C., Toronto, Ontario, Canada. Typewriter. No. 1,407,440; Feb. 21.
- Roece-Hilton, Inc. (See Hilton, Roland C., assignor.)
- Reed, Jacob D. (See Bausher, S. D., and Reed.)
- Reif, Joseph, assignor of 45 per cent to F. E. Ling, Hebron, Ind. Saw-filing mechanism. No. 1,407,168; Feb. 21.
- Reimers, William F. C., Paullina, Iowa. Fish-stringing device. No. 1,407,221; Feb. 21.
- Remington Typewriter Company. (See Barr, John H., assignor.)
- Reynolds, Charles B. and C. D., Whittier, Calif. Pipe and tool joint. No. 1,407,335; Feb. 21.
- Reynolds, Clarence D. (See Reynolds, Charles B. and C. D.)
- Rickard, William H., and L. G. Walker, Pueblo, Colo. Tire carrier and lock. No. 1,407,580; Feb. 21.
- Ricks, Fred, and A. A. Aston, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. No. 1,407,000; Feb. 21.
- Rike, Berton I., assignor to The Rike Folding Box Company, Dayton, Ohio. Paper bucket. No. 1,407,483; Feb. 21.
- Rike Folding Box Company, The. (See Rike, Berton I., assignor.)
- Roadless Traction, Limited. (See Johnson, Philip H., assignor.) (Reissue.)
- Robert, Frederic P., Lynbrook, Long Island, N. Y. Wrench. No. 1,407,578; Feb. 21.
- Roberts Brass Manufacturing Company. (See Roberts, William H., assignor.)
- Roberts, William H., assignor to Roberts Brass Manufacturing Company, Detroit, Mich. Forced-feed oil cup. No. 1,407,086; Feb. 21.
- Robertson, William, assignor to one-half to The Fairfield Shipbuilding & Engineering Company Limited, Govan, Glasgow, Scotland. Flexible expansion coupling for rotary shafts. No. 1,407,299; Feb. 21.
- Robinson, Jay G., Chicago, Ill. Fire door. No. 1,407,222; Feb. 21.
- Robinson, Thomas F., Minneapolis, Minn. Safety devices for motor vehicles. No. 1,407,579; Feb. 21.
- Robinson, Samuel, White Plains, N. Y. Windshield cleaner. No. 1,407,672; Feb. 21.
- Rockbestos Products Corporation. (See Heany, John A., assignor.)

- Roe, John P., London, England. Overhead conveying system for the transport of materials. No. 1,407,673; Feb. 21.
- Roecke, William G., Hudson, Wis. Brush. No. 1,407,674; Feb. 21.
- Rook, Harold N., and F. M. Payn, Friendship, Wis. Emergency repair hub for automobiles. No. 1,407,675; Feb. 21.
- Roos, Delmar G., assignor, by mesne assignments, to The Locomobile Company, Bridgeport, Conn. Holder for rims and tires. No. 1,407,300; Feb. 21.
- Roussel, George, Donner, La. Means for securing rails in place. No. 1,407,677; Feb. 21.
- Roussel, George, assignor of one-fourth to R. S. Salsman, Donner, La. Means for securing rails in place. No. 1,407,678; Feb. 21.
- Roscoe, Thomas H. (See Haskin, Joseph J., assignor.)
- Rose, Joseph E., Portland, Oreg. Making artificial teeth. No. 1,407,484; Feb. 21.
- Rose, Hugh B., Redondo Beach, Calif. Game. No. 1,407,223; Feb. 21.
- Rosenfeld, Joseph E. (See Keller, Jeremiah, assignor.)
- Rosengren, Ed. et al., trustees. (See Paul, Christian F., Jr., assignor.)
- Rosenkranz, Max, assignor to National Tube Company, Pittsburgh, Pa. Cooling table. No. 1,407,169; Feb. 21.
- Rose, William, Gainsborough, England. Apparatus for inserting articles into open-ended receptacles, envelopes, sheaths, or cases. No. 1,407,581; Feb. 21.
- Ross, Thomas, Prestwich, near Manchester, assignor to John Hetherington and Sons Limited, Manchester, England. Combing machine. No. 1,407,170; Feb. 21.
- Roth, August H., New York, N. Y. Caster. No. 1,407,171; Feb. 21.
- Roth, Carl H., Southport, Lancaster, England. Carpet sweeper. No. 1,407,676; Feb. 21.
- Rushworth, George A. W., Manchester, England. Rotary duplicating machine. No. 1,407,087; Feb. 21.
- Russon, Anthony C. P., Newark, N. J. Attachment for milling or grinding machines. No. 1,407,485; Feb. 21.
- Ruthrauff, William E., Coffeyville, Kans. Flooring construction. No. 1,407,679; Feb. 21.
- Ryan, Michael B., Milford, Conn. Chain link. No. 1,407,043; Feb. 21.
- Ryan, Lonnie W., assignor to Lindsay Light Company, Chicago, Ill. Recovery of thorium. No. 1,407,441; Feb. 21.
- Saalburg, Charles W., assignor to The Prismatone Co., Inc., New York, N. Y. Reproducing pictures. No. 1,407,301; Feb. 21.
- Saalburg, Charles W., assignor to The Prismatone Co., Inc., New York, N. Y. Etching rolls to mutually register. No. 1,407,302; Feb. 21.
- Saalburg, Charles W., assignor to The Prismatone Co., Inc., New York, N. Y. Making grain etchings. No. 1,407,303; Feb. 21.
- Saives, Léon, Boulogne-sur-Seine, France. Connecting-rod head. No. 1,407,442; Feb. 21.
- Salce, Théophile H. M. (See Falke, J. M. C., and Salce.)
- Sallee, Harvey J., Whitehouse, Calif. Internal-combustion engine. No. 1,407,336; Feb. 21.
- Salsman, Robert S. (See Roussel, George, assignor.)
- Samuels, Alfred S., Saugus, Mass. Holding and weighing mechanism. No. 1,407,224; Feb. 21.
- Samuels, John A., Richmond, England. Kettle. No. 1,407,088; Feb. 21.
- Sandberg, Olof S., Minneapolis, Minn. Tractor excavator. No. 1,407,486; Feb. 21.
- Sanborn, Frank B., Cambridge, Mass. System for indicating the speed of boats. No. 1,407,172; Feb. 21.
- Sanders, Edward H., assignor to Shell Company of California, San Francisco, Calif. Identification coupon book. No. 1,407,443; Feb. 21.
- Sandusky Foundry & Machine Co. (See Farnsworth, Hiland R., assignor.)
- Saunders, Clarence, assignor to Piggy Wiggly Corporation, Memphis, Tenn. Lighting system for self-serving stores. No. 1,407,680; Feb. 21.
- Saunders, William H., New York, N. Y. Nursing-bottle holder. No. 1,407,681; Feb. 21.
- Schavoir, Arnold L., Stamford, Conn. Combination mold. No. 1,407,682; Feb. 21.
- Schentzow, Frederick A., et al. (See Walter, Frederick P., assignor.)
- Schepp, Peter S., and J. Flack, La Salle, Ill. Collapsible barrel. No. 1,407,487; Feb. 21.
- Scheuerman, Edward G., et al. (See Storey, William H., assignor.)
- Schmidt, Charles J., assignor to Justrite Manufacturing Company, Chicago, Ill. Spark-producing mechanism. No. 1,407,225; Feb. 21.
- Schneider, Herman E., Spring Valley, N. Y. Expansion device for furniture. No. 1,407,582; Feb. 21.
- Schröder, Edmund, Berlin, Germany, assignor, by mesne assignments, to The Chemical Foundation, Inc. Manufacture of flexible metal hose. No. 1,407,001; Feb. 21.
- Schroeder, Henry A., Chicago, Ill. Hose clamp. No. 1,407,583; Feb. 21.
- Schubert, Anthony J., Raymond, Kans. Two-speed final-drive gear set for motor vehicles. No. 1,407,226; Feb. 21.
- Scott, Cecil W., Cricklewood, England. Button-mold machine and dies. No. 1,407,089; Feb. 21.
- Scottford, Baron H., Atlantic City, N. J. Doll support. No. 1,407,584; Feb. 21.
- Sears, Roebuck and Co. (See Dun Lany, William P., assignor.)
- Seeley, Forest J. (See Maxwell, Singleton A., assignor.)
- Seror, Albert Z., Chicago, Ill., assignor of one-half to E. J. Hoyer, Fan. No. 1,407,488; Feb. 21.
- Setz, Hans R., Manitowoc, Wis. Scavenging port control. No. 1,407,586; Feb. 21.
- Setz, Hans R., Manitowoc, Wis. Two-cycle internal-combustion engine. No. 1,407,585; Feb. 21.
- Shakespeare, William M., assignor to New Jersey Patent Company, West Orange, N. J. Primary battery. No. 1,407,489; Feb. 21.
- Sharp, Edward. (See Sharp, John and E.) (Reissue.)
- Sharp, John and E., Cleveland, Ohio. Aeroplane. (Reissue.) No. 15,291; Feb. 21.
- Sharp, John H., Chicago, Ill. Dust guard for car-axle boxes. No. 1,407,587; Feb. 21.
- Sharp, Lee C., Plattsmouth, Nebr., assignor, by mesne assignments, to A. McLaren, Dayton, Ohio. Apparatus for baking pastry. No. 1,407,304; Feb. 21.
- Shaw, Clifford R., Chicago, Ill. Sound reproducer. No. 1,407,002; Feb. 21.
- Shaw, Frederick A., Dighton, Mass., assignor to A. A. Green, Providence, R. I. Repeat device for phonographs. No. 1,407,090; Feb. 21.
- Shell Company of California. (See Sanders, Edward H., assignor.)
- Shepherd, George R., Brookline, Mass. Side-curtain confiner for vehicles. No. 1,407,091; Feb. 21.
- Sheppard, Charles L. (See Karr, J. R., and Sheppard.)
- Sibson & Stein, Inc. (See Branson, Thomas, assignor.)
- Siewiorek, John, Geneva, Ohio. Brick conveyor. No. 1,407,173; Feb. 21.
- Simmons, Charles, Los Angeles, Calif. Tape-line holder. No. 1,407,429; Feb. 21.
- Simmons, Ralph C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-making machine. No. 1,407,337; Feb. 21.
- Simon, Henry, Limited. (See Bentham, Cecil, assignor.)
- Simon, Joseph, Halifax, Nova Scotia, Canada. Anti-skidding attachment for tire chains. No. 1,407,227; Feb. 21.
- Simpson, Leslie H., Springfield, Ill. Armrest. No. 1,407,174; Feb. 21.
- Singer Manufacturing Company, The. (See Gatchell, George S., assignor.)
- Singer Manufacturing Company, The. (See Horton, Charles M., assignor.)
- Sintering Machinery Corporation. (See Stehli, Henry J., assignor.)
- Sjoquist, Richard A., Hibbing, Minn. Packing box for throttle-valve stems. No. 1,407,354; Feb. 21.
- Skelton, John W., Douglas, Ariz. Bait for flytraps. No. 1,407,092; Feb. 21.
- Skiles, Bruce E., Santa Ana, Calif. Chock for automobile wheels. No. 1,407,338; Feb. 21.
- Skinner, Oramel H., Indianapolis, Ind., and H. S. Smith, New York, N. Y., assignors to The Prest-O-Lite Company, Inc., Indianapolis, Ind. Manufacturing cylinders for dissolved acetylene. No. 1,407,588; Feb. 21.
- Slate, Nathaniel P., Tangent, Oreg. Scraper. No. 1,407,683; Feb. 21.
- Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Air-feed control for rock drills. No. 1,407,591; Feb. 21.
- Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Front-end construction for rotating rock drills. No. 1,407,589; Feb. 21.
- Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Throttle valve for rock drills. No. 1,407,590; Feb. 21.
- Slye, John Q., assignor of one-half to T. L. Lipsett, Washington, D. C. Foldable or extensible car step. No. 1,407,592; Feb. 21.
- Smith, Alexander L. (See Johnson, James H., assignor.)
- Smith, Alfred H., New York, N. Y. Compartment freight car. No. 1,407,593; Feb. 21.
- Smith, Alfred H., New York, N. Y. Compartment freight car. No. 1,407,594; Feb. 21.
- Smith, Alfred H., Chappaqua, N. Y. Lading container. No. 1,407,595; Feb. 21.
- Smith, Alfred H., Chappaqua, N. Y. Handling freight, express, and the like. No. 1,407,596; Feb. 21.
- Smith, Barbara C., Alliance, Nebr. Corset measurer. No. 1,407,228; Feb. 21.
- Smith, Bronson H., Brooklyn, N. Y., assignor, by mesne assignments, to Delmore Manufacturing Company, Incorporated. Parcel-carrying vehicle. No. 1,407,597; Feb. 21.
- Smith, Burdsey W., Oroville, Calif. Combined twine holder and advertising device. No. 1,407,175; Feb. 21.
- Smith, Charles, Providence, R. I. Easel for florists' use. No. 1,407,490; Feb. 21.
- Smith, George E., Hudson, Colo. Toy. No. 1,407,093; Feb. 21.
- Smith, Harvey E., Newport, Ark. Rotary engine. No. 1,407,094; Feb. 21.
- Smith, Henry S. (See Skinner, H. O., and Smith.)
- Smith, Herman R., Brooklyn, assignor to Raymond Concrete Pile Company, New York, N. Y. Bedsill for pile drivers. No. 1,407,003; Feb. 21.

ALPHABETICAL LIST OF PATENTEES.

- Smith, John H., London, R. H. Brand, Ascot, England, and T. G. Leith, Oyne, Scotland. Driving belt or chain. No. 1,407,598; Feb. 21.
- Smith, Marshall O., and L. A. Mahannah, Niagara Falls, N. Y. Auto signal. No. 1,407,444; Feb. 21.
- Smith, Reinold V., Eureka, Utah. Method and apparatus for separating ore. No. 1,407,229; Feb. 21.
- Smith, F. L., Machine Company. (See Novick, Abraham, assignor.)
- Smoak, William W. (See Stimson, Samuel C., assignor.)
- Smythe, William W., Jr., assignor to The Graphic Score Book Company, Park Ridge, Ill. Record sheet. No. 1,407,095; Feb. 21.
- Sommer, John, Peoria, Ill., assignor, by mesne assignments, to The Union Trust Company, Cleveland, Ohio, and J. A. Chapman, Chicago, Ill., trustees. Hoist crane. No. 1,407,005; Feb. 21.
- Sommer, William H., Peoria, Ill., assignor, by mesne assignments, to The Union Trust Company, Cleveland, Ohio, and J. A. Chapman, Chicago, Ill., trustee. Open-hearth furnace. No. 1,407,004; Feb. 21.
- Spangler, Charles M., Emporium, Pa. Universal joint for coupling shafts. No. 1,407,445; Feb. 21.
- Specialty Automatic Machine Company. (See La Bombard, Leon E., assignor.)
- Speedautomatic Company, The. (See Steerc, Clarence E., assignor.)
- Spencer, Jonathan R., Long Beach, Calif. Animal trap. No. 1,407,096; Feb. 21.
- Sperry, Elmer A., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Turn indicator. No. 1,407,491; Feb. 21.
- Sperry Gyroscope Company, The. (See Sperry, Elmer A., assignor.)
- Spielberger, Abe R., Atlanta, Ga. Fountain comb and cartridge therefor. No. 1,407,230; Feb. 21.
- S-P Manufacturing Company. (See Olson, John A., assignor.)
- Sprowl, William L., Sherman, Tex. Seed planter and marker. No. 1,407,097; Feb. 21.
- Stachli, Edward, La Grange, Ill. Pendant-setting mechanism. No. 1,407,231; Feb. 21.
- Stafford Company, The. (See Jackson, Simeon S., assignor.)
- Stage, Harold I., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Automatic air-fired control for rock drills. No. 1,407,599; Feb. 21.
- Staggers, William F., Mannington, W. Va. Window-sash fastener for locking windows in partially-open position. No. 1,407,006; Feb. 21.
- Standard Car Truck Company. (See Webb, Edwin W., assignor.)
- Standard Parts Company, The. (See Jobski, Otto H., assignor.)
- Standard Parts Company, The. (See Keys, Walter C., assignor.)
- Standard Register Company, The. (See Buschmeyer, Clarence R., assignor.)
- Stanley Works, The. (See Parsons, Stuart W., assignor.)
- Stark, John R., assignor to Webster Electric Company, Racine, Wis. Ignition magneto. No. 1,407,099; Feb. 21.
- Starrett, William. (See Christensen, H., and Starrett.)
- Stead, Harold J., Geneva, N. Y. Bifocal lens. No. 1,407,176; Feb. 21.
- Stearns Roswell H. (See Bethke, J. P., and Stearns.)
- Steell, Edgar M., assignor to Porcupine Manufacturing Company, Spokane, Wash. Tire boot. No. 1,407,305; Feb. 21.
- Steere, Clarence E., assignor to The Speedautomatic Company, Chicago, Ill. Embossing machine. No. 1,407,492; Feb. 21.
- Stehli, Henry J., Cedar Grove, assignor to Sintering Machinery Corporation, Netcong, N. J. Powdered-coal burner. No. 1,407,600; Feb. 21.
- Stephens, Roscoe W., Los Angeles, Calif. Pump and packing the same. No. 1,407,493; Feb. 21.
- Stephens, Wesley E., Elgin, and J. Hoelzel, Chicago, Ill. Auxiliary air-inlet device for explosion engines. No. 1,407,494; Feb. 21.
- Steuterman, Frank M., St. Louis, Mo. Foldable closure for pianos. No. 1,407,007; Feb. 21.
- Stevens, John F., Ottumwa, Iowa. Weed puller. No. 1,407,232; Feb. 21.
- Stichler, Charles, assignor to Strause Gas Iron Co., Philadelphia, Pa. Fuel regulator for gas burners. No. 1,407,098; Feb. 21.
- Stimpson, Edwin B. Company. (See Rau, Henry V., assignor.)
- Stimson, Samuel C., Lewisville, assignor of one-half to W. W. Smoak, Winston-Salem, N. C. Hame fastener. No. 1,407,495; Feb. 21.
- Stone, Jay C., Spokane, Wash. Mechanical movement. No. 1,407,233; Feb. 21.
- Stone, Nathan M., Chicago, Ill. Mountings for mirrors, pictures, signs, or other displayed articles. No. 1,407,177; Feb. 21.
- Storey, Leonidas P., assignor to Watrous Fire Engine Company, St. Paul, Minn. Rotary piston pump. No. 1,407,496; Feb. 21.
- Storey, William H., assignor of one-half to S. C. Matthews and one-half to E. G. Scheuerman and J. M. Fox, Ensley, Ala. Folding toy bed. No. 1,407,234; Feb. 21.
- Stout, John N., and E. E. Parsonage, Staunton, Ind. Sectional pneumatic tire. No. 1,407,178; Feb. 21.
- Strait, Hosea H., Overland, Mo. Paper-feed guide for platen presses. No. 1,407,100; Feb. 21.
- Strause Gas Iron Co. (See Stichler, Charles, assignor.)
- Sturges, Varney K., Oakland, Calif. Vulcanizing, and core for tire molds. No. 1,407,355; Feb. 21.
- Sullivan, Arthur B. (See Mott, Samuel D., assignor.)
- Sullivan Machinery Company. (See Berkey, Harvey C., assignor.)
- Sullivan Machinery Company. (See Wyman, Charles W., assignor.)
- Sussman, A., & Co. (See Sussman, Abraham, assignor.)
- Sussman, Abraham, assignor to A. Sussman & Co., Philadelphia, Pa. Combined case and easel for photographs or other pictures. No. 1,407,497; Feb. 21.
- Sutphen, Robert M., Newark, N. J., assignor to Bi-View, Limited, New York, N. Y. Illustration. No. 1,407,498; Feb. 21.
- Sutton, Joseph, Walla Walla, Wash. Twine cutter. No. 1,407,446; Feb. 21.
- Swan, John W., Stamford, Conn. Carburetor primer. No. 1,407,356; Feb. 21.
- Tanner, Inos B., assignor to Jos. E. Nelson & Sons, Chicago, Ill. Liquid-treating apparatus. No. 1,407,499; Feb. 21.
- Tartara, Giuseppe G. B., Turin, Italy. Photographic and cinematographic apparatus. No. 1,407,357; Feb. 21.
- Taylor, Burt E., Mount Vernon, assignor of one-third to S. F. Taylor, New York, and one-third to W. H. Howard, Portchester, N. Y. Sealing device for jars. No. 1,407,008; Feb. 21.
- Taylor, S. Frederic, et al. (See Taylor, Burt E., assignor.)
- Taylor, William H., Anna, Ill. Truck. No. 1,407,235; Feb. 21.
- Thaxton, Thomas W., assignor of one-half to C. L. Bacon, Muncie, Ind. Valve. No. 1,407,358; Feb. 21.
- Thomas, Arthur S., Whitney, S. C. Cotton-preparing machinery. No. 1,407,500; Feb. 21.
- Thomas, Avery H., Houston, Tex. Pipe elevator. No. 1,407,236; Feb. 21.
- Thomas, Charles E., El Paso, N. Mex. Drop door. No. 1,407,359; Feb. 21.
- Thomas, John J., Balfour, N. D. Wrench. No. 1,407,360; Feb. 21.
- Thomson, William H., Peoria, Ill. Cushion ring for expanding gas-engine piston rings. No. 1,307,602; Feb. 21.
- Thompson, Abel, and J. Atkinson, Roland, Iowa. Shovel. No. 1,407,237; Feb. 21.
- Thompson, Carl G., Knoxville, Tenn. Sifter. No. 1,407,601; Feb. 21.
- Thompson, Emery, New Rochelle, N. Y. Ice-cream freezer. No. 1,407,044; Feb. 21.
- Thornhill, Edwin B., Hurley, N. Mex. Treatment of ores containing oxides of copper. No. 1,407,045; Feb. 21.
- Tidwell, John W., assignor of one-half to J. Fitzgerald, Tulsa, Okla. Revolving ventilator. No. 1,407,179; Feb. 21.
- Timmons, John S., New York, N. Y. Electric switch. No. 1,407,603; Feb. 21.
- Toan, Fred W., Bowling Green, Ohio, Universal joint. No. 1,407,361; Feb. 21.
- Todd, Daniel M., Elgin, Ill. Gutter-cleaning attachment for street-cleaning machines. No. 1,407,180; Feb. 21.
- Tommasi, Noble C., and H. Danneel, Basel, assignors to Elektrizitätswerk Lonza, Gampel, Switzerland. Solid fuel and making the same. No. 1,407,101; Feb. 21.
- Tommerson, Robert E., St. Louis, Mo. Preparation for treating leather. No. 1,407,449; Feb. 21.
- Tompkins, Edward R., Milwaukee, Wis. Window cooling box. No. 1,407,447; Feb. 21.
- Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Telephone apparatus. No. 1,407,046; Feb. 21.
- Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Repeater circuit. No. 1,407,604; Feb. 21.
- Townsend, Harry E., assignor to Anchor Cap & Closure Corporation, Brooklyn, N. Y. Capping machine. No. 1,407,448; Feb. 21.
- Tremont Products Company. (See Baker, Malcolm H., assignor.)
- Trinity Folding Booth Company. (See De la Fontaine, Charles J., assignor.)
- Trowbridge, Kenneth M., Dallas, Ga. Variable-speed change mechanism of power-transmission devices. No. 1,407,447; Feb. 21.
- Turner, Edward T., Dayton, Ohio. Automobile design and construction. No. 1,407,048; Feb. 21.
- Turner, Gerald E., Lynn, Mass. Shoe-back stabilizer. No. 1,407,181; Feb. 21.
- Turpin, John H., and O. B. Brookman, Bremerton, Wash. Cutting torch. No. 1,407,306; Feb. 21.
- Twiss, William J., assignor of one-half to J. I. McFarland, Calgary, Alberta, Canada. Pipe wrench. No. 1,407,238; Feb. 21.
- Ullman, Louis, New York, N. Y. Pliers and locking lug for replacing transmission covers on Ford cars. No. 1,407,362; Feb. 21.
- United Autographic Register Co. (See Jensen, Louis, assignor.)
- United Engineering & Foundry Company. (See Gilling, Ethelbert N., assignor.)

- United Shoe Machinery Corporation. (See Brock, Matthias, assignor.)
- United Shoe Machinery Corporation. (See Cosgrove, John W., assignor.)
- United Shoe Machinery Corporation. (See Fowler, Alfred B., assignor.)
- United Shoe Machinery Corporation. (See Greenough, Henry B., assignor.)
- United Shoe Machinery Corporation. (See Jackson, James E., assignor.)
- United Shoe Machinery Corporation. (See Lee, Bernard S., assignor.)
- United Shoe Machinery Corporation. (See Lund, Thomas, assignor.)
- United Shoe Machinery Corporation. (See Simmons, Ralph C., assignor.)
- United Shoe Machinery Corporation. (See Ricks, F., and Aston, assignors.)
- United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)
- United States Gypsum Company. (See Birdsey, Charles R., assignor.)
- Union Knitting Mills et al. (See Bausher, S. D., and Reed, assignors.)
- Union Steam Pump Company. (See Ambrose, Frank F., assignor.)
- Union Switch & Signal Company, The. (See Castleman, Frank M., assignor.)
- Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)
- Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)
- Union Trust Company, The, et al., trustees. (See Sommer, William H., assignor.)
- Universal Device Company, The. (See Abbott, Augustus, assignor.)
- Upham, Gilbert R., assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Socket member for snap fasteners. No. 1,407,687; Feb. 21.
- Van Heusen, John M., Jamaica Plain, Mass. Eyeglasses. No. 1,407,450; Feb. 21.
- Van Pelt, Frank. (See Heer, Otto F., assignor.)
- Van Sant, Victor H., Newark, N. J. Air-inlet device. No. 1,407,049; Feb. 21.
- Van Steenberg, Burhans, Goshen, N. Y. Apparatus for cracking mineral oil to produce gasoline. No. 1,407,339; Feb. 21.
- Van Steenberg, Burhans, Goshen, N. Y. Treating mineral oil for the production of gasoline. No. 1,407,340; Feb. 21.
- Vaughan, Thomas M., Lisbon, Ohio, assignor to B. F. Bain, Pittsburgh, Pa. Mechanical dancing toy. No. 1,407,451; Feb. 21.
- Veeck, Max, Lafayette, Pa. Brush or mop holder. No. 1,407,341; Feb. 21.
- Verlangieri, Basil, New York, N. Y. Windshield clearer. No. 1,407,605; Feb. 21.
- Vibber, Wheeler H., assignor of one-half to The Gillette-Vibber Co., New London, Conn. Conduit cap for electric installation. No. 1,407,307; Feb. 21.
- Vibber, Wheeler H., assignor of one-half to The Gillette-Vibber Co., New London, Conn. Swivel conduit-cap for electric installation. No. 1,407,308; Feb. 21.
- Victorohn, Morris, Jersey City, N. J. Phonograph cabinet. No. 1,407,309; Feb. 21.
- Viden, Samuel C., Milwaukee, Wis. Pan greaser. No. 1,407,102; Feb. 21.
- Vigneault, George N. (See Vigneault, Henry J., assignor.)
- Vigneault, Henry J., assignor of one-half to G. N. Vigneault, Worcester, Mass. Collar. No. 1,407,342; Feb. 21.
- Virgens, Herman J., Welcome, Minn. Controlling mechanism for tractors. No. 1,407,606; Feb. 21.
- Virginia Plate Glass Corporation. (See Icenhour, Albert A., assignor.)
- Vonnegut, Anton. (See Eaglesfield, Robert D., assignor.)
- Vreeland, Frederick K., Montclair, N. J. Receiving system for radio telegraphy and telephony. No. 1,407,103; Feb. 21.
- Wakeham, Gertrude W., Marshall, Wis. Rack. No. 1,407,607; Feb. 21.
- Walker, Luther G. (See Rickard, W. H., and Walker.)
- Walker, Noah, Philadelphia, Pa. Wiping mechanism. No. 1,407,104; Feb. 21.
- Walker, Russell T., Chicago, Ill. Rectifier. No. 1,407,363; Feb. 21.
- Waller, Henry H., Harrogate, England. Fiber-treating machine. No. 1,407,364; Feb. 21.
- Walter, Frederick P., assignor of one-third to F. Conde and one-third to F. A. Schentzow, Oswego, N. Y. Knitted fabric. No. 1,407,343; Feb. 21.
- Walters, Percy R., Montreal, Quebec, Canada. Package for cigarettes and the like. No. 1,407,105; Feb. 21.
- Wandless, Franklin W., Berwyn, assignor to O. W. Brenizer, Philadelphia, Pa. Steam trap. No. 1,407,009; Feb. 21.
- Waterous Fire Engine Company. (See Storey, Leonidas P., assignor.)
- Watrous, Paul J. (See Dailey, William J. F., assignor.)
- Wawrzyniak, Walenty, St. Louis, Mo. Building material. No. 1,407,608; Feb. 21.
- Webb, Edwin W., assignor to Standard Car Truck Company, Chicago, Ill. Car truck. No. 1,407,452; Feb. 21.
- Webb, Wilfred L., and K. I. Crossley, Openshaw, Manchester, England. Four-cycle internal-combustion engine. No. 1,407,453; Feb. 21.
- Webster Electric Company. (See Stark, John R., assignor.)
- Webster, Francis H., St. Louis, Mo. Embroidery needle. No. 1,407,609; Feb. 21.
- Webster, Fred L., Adams, N. Y. Machine for washing and polishing fruit and vegetables. No. 1,407,501; Feb. 21.
- Weigle, Otis M., Fulton, Mo. Detergent. No. 1,407,502; Feb. 21.
- Weiss, Herman W., Monroe, Mich. Wrist tablet. No. 1,407,239; Feb. 21.
- West, Earl, Oakland, Calif. Clothespin. No. 1,407,344; Feb. 21.
- Western Electric Company. (See Morrill, Joseph B., assignor.)
- Western Electric Company. (See Rainey, Paul M., assignor.)
- Westinghouse Electric & Manufacturing Co. (See Ehrhart, Raymond N., assignor.)
- Weston Electrical Instrument Company. (See Goodwin, William N., Jr., assignor.)
- Westlund, Albert F., assignor to The Prest-O-Lite Company, Inc., Indianapolis, Ind. Flash check for acetylene-gas tanks. No. 1,407,610; Feb. 21.
- Wetstein, Godfrey B., Portland, Oreg. Window. No. 1,407,503; Feb. 21.
- Wheaton, Georgia W., Appleton, Wis. Finishing paper. No. 1,407,611; Feb. 21.
- Whipple, Leland B., Rochester, N. Y., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me. Last. No. 1,407,050; Feb. 21.
- Whitaker, George, Brownwood, Tex. Combined cotton chopper and cultivator. No. 1,407,240; Feb. 21.
- White, Alexander W. (See Day, E. A., and White.)
- White, Harry F., Fresno, Calif. Scrip-measuring device. No. 1,407,106; Feb. 21.
- White, Henry W., Commack, N. Y. Adhesive-applying mechanism. No. 1,407,612; Feb. 21.
- White, J. H., Manufacturing Company. (See Kahns, Walter R., assignor.)
- Whiting & Davis Company. (See Wiener, Henry, assignor.)
- Whitmore, John P., South Pasadena, Calif. Apparatus for making painted window-shade material. No. 1,407,241; Feb. 21.
- Whittaker-Glessner Company. (See Gibbons, Nathan A., assignor.)
- Whittaker, John L., Winthrop, assignor to Miller Trolley Shoe Company, Boston, Mass. Current collector. No. 1,407,010; Feb. 21.
- Whitten, Walter, Schenectady, N. Y. Phonograph reproducer. No. 1,407,613; Feb. 21.
- Wicks, Maurice A., assignor to Kelvinator Corporation, Detroit, Mich. Ice pan. No. 1,407,614; Feb. 21.
- Wiener, Henry, New York, N. Y., assignor, by mesne assignments, to Whiting & Davis Company, Plainville, Mass. Hand bag. No. 1,407,310; Feb. 21.
- Wildman Manufacturing Company. (See Howie, Kenneth, assignor.)
- Wilson, H. A., Company, The. (See Fry, Frank B., assignor.)
- Wilson, Harry B. (See Bailey, C. T., and Wilson.)
- Wilson, Harry C. (See McDougal, Douglas C., assignor.)
- Williams, Arba L., Utica, N. Y. Banjo. No. 1,407,108; Feb. 21.
- Williams, French B., and B. F. Adams, Dallas, Tex. Cotton-cleaning apparatus. No. 1,407,504; Feb. 21.
- Williams, Mark C. (See Aker, J. C., and Williams.)
- Williamson, Seaman A., Point Richmond, Calif. Aeroplane. No. 1,407,505; Feb. 21.
- Willenborg, John J., Pawnee, Ill. Ventilated fruit and vegetable case. No. 1,407,107; Feb. 21.
- Winchester Repeating Arms Co. See Burton, Frank F., assignor.)
- Winkler, Carl, Berne, Switzerland. Device for holding matrices in stereo-plate casting boxes. No. 1,407,615; Feb. 21.
- Winkley, Erastus E., Lynn, Mass. Golf apparatus. No. 1,407,109; Feb. 21.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-building machine. No. 1,407,182; Feb. 21.
- Winter, George J., Buffalo, N. Y. Cushion heel. No. 1,407,506; Feb. 21.
- Wirsching, August F. and R. A., Los Angeles, Calif. Luminous sign and number. No. 1,407,345; Feb. 21.
- Wirsching, Robert A. (See Wirsching, August F. and R. A.)
- Witkus, Frank F., Newport, N. H. Presser wheel. No. 1,407,183; Feb. 21.
- Witte, Gustav A., Philadelphia, Pa., assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for electrical precipitation of suspended particles from gases. No. 1,407,311; Feb. 21.
- Wolf, Bert D., Minneapolis, Minn. Varnish booth. No. 1,407,011; Feb. 21.
- Woodland, John E., Brooklyn, N. Y. Safety device for motion-picture machines. No. 1,407,616; Feb. 21.
- Woods, S. A., Machine Company. (See Young, Percy H., assignor.)
- Wright, Lewis S., Peoria, Ill. Tractor hitch. No. 1,407,365; Feb. 21.

ALPHABETICAL LIST OF PATENTEEES.

Wutke, Frank C., Chicago, Ill. Wrench. No. 1,407,110; Feb. 21.
 Wylie, Hamilton N., Edinburgh, Scotland, assignor to Armstrong Siddeley Motors Limited, Parkside, Coventry, England. Metal spar for aircraft. No. 1,407,242; Feb. 21.
 Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. No. 1,407,120; Feb. 21.
 Wynn, Charles L., et al. (See Crouch, Thomas C., assignor.)
 Yale & Towne Manufacturing Company, The. (See Maxwell, Maxwell C., assignor.)
 Yamanouchi, Genkichi, Ebara-gun, Tokyo, Japan. Gramophone. No. 1,407,111; Feb. 21.

Yewell, James M. (See Harlow, Harry, assignor.)
 Young, Hiram J., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Lock. No. 1,407,312; Feb. 21.
 Young, Jacob, Hennessey, Okla. Tractor. No. 1,407,243; Feb. 21.
 Young, Percy H., Dorchester, assignor to S. A. Woods Machine Company, Boston, Mass. Woodworking machine. No. 1,407,112; Feb. 21.
 Ziegler, William M., Richmond, Ind., assignor of one-half to J. T. Dietz, Dayton, Ohio. Universal joint. No. 1,407,617; Feb. 21.
 Zopff, Hans, Monroe, Mich. Plant marker. No. 1,407,507; Feb. 21.

ALPHABETICAL LIST OF PATENTEEES OF DESIGNS.

Alexander Smith & Sons Carpet Company. (See Stengel, George J.)
 Anhouse, Samuel, New York, N. Y. Fancy box. No. 60,438; Feb. 21.
 Antiga y Escobar, Juan, Habana, Cuba. Puzzle or game board. No. 60,450; Feb. 21.
 Banks, Willis G., East Orange, N. J. Cap for a clothes post or similar article. No. 60,439; Feb. 21.
 Best, Leonard E. (See Glidden, A. A., and Best)
 Boucher, William, Jr., Baltimore, Md. Display collar for a receptacle. No. 60,440; Feb. 21.
 Bown, Lewis H., East Aurora, assignor to Buffalo Pottery, Buffalo, N. Y. Plate or similar article. No. 60,441; Feb. 21.
 Budweiser, Bernhard, Chicago, Ill. Helmet. No. 60,442; Feb. 21.
 Buffalo Pottery. (See Bown, Lewis H., assignor.)
 Bush, Albert A., assignor to The Oldfield Tire Company, Akron, Ohio. Tire tread. No. 60,443; Feb. 21.
 Chernoff, William, Brooklyn, N. Y. School bag. No. 60,444; Feb. 21.
 Davis, Rees, Chicago, Ill. Doll. Nos. 60,445-7; Feb. 21.
 Dinberg, David, Ogdensburg, N. Y. Candelabrum. No. 60,448; Feb. 21.
 Eckel, Oliver C., Mount Vernon, N. Y. Lens for headlights. No. 60,449; Feb. 21.
 General Electric Company. (See Gosling, Joseph W., assignor.)
 Glidden, Alfred A., Watertown, and L. E. Best, Boston, assignors to Hood Rubber Company, Watertown, Mass. Rubber heel. No. 60,451; Feb. 21.
 Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Electric-lighting fixture. Nos. 60,452-3; Feb. 21.
 Hoge Manufacturing Company, The. (See Terrell, Frank J., assignor.)
 Hood Rubber Company. (See Glidden, A. A., and Best, assignors.)
 Ingelsky, Albert, Buffalo, N. Y. Plaque. No. 60,454; Feb. 21.
 Kahnweiler, Sidney B., Atlantic City, N. J. Tweezers. No. 60,455; Feb. 21.
 Klein, August, Camden, N. J. Finger ring. Nos. 60,456-7; Feb. 21.
 Kranz, Isidore, New York, N. Y. Lighting fixture. Nos. 60,458-62; Feb. 21.
 Landers, Frary & Clark. (See Smith, Charles F., assignor.)

Lindemann, Robert F., assignor to Alfred Vester Sons, Inc., Providence, R. I. Husk for lighting fixtures. No. 60,463; Feb. 21.
 Marchus, Amos S., Oakland, Calif. Display holder. No. 60,464; Feb. 21.
 Mathieu, Frederick W. (See Strahan, G. V., and Mathieu.)
 Mitchell Vance Co. (See Strahan, G. V., and Mathieu, assignors.)
 North Hudson Embroidery Co. (See Rizzi, Joseph, assignor.)
 Oldfield Tire Company, The. (See Bush, Albert A., assignor.)
 Oversmith, Clarence D., Buffalo, N. Y. Advertising display case. No. 60,465; Feb. 21.
 Rizzi, Joseph, Weehawken, N. J., assignor to North Hudson Embroidery Co., Inc. Lace. Nos. 60,466-9; Feb. 21.
 Sabbath, John L., Montreal, Quebec, Canada. Bracelet. No. 60,470; Feb. 21.
 Smith, Charles F., assignor to Landers, Frary & Clark, New Britain, Conn. Vacuum cleaner. No. 60,471; Feb. 21.
 Smith, Frederick K., New York, N. Y. Bottle. No. 60,472; Feb. 21.
 Spencer, Guy L., Cleveland, Ohio. Rubber-heel tread. No. 60,473; Feb. 21.
 Stengel, George J., assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y. Rug. No. 60,474; Feb. 21.
 Strahan, George V., Newark, N. J., and F. W. Mathieu, assignors to Mitchell Vance Co., Inc., New York, N. Y. Surface ornamentation for a lamp shade or similar article. Nos. 60,475-8; Feb. 21.
 Terrell, Frank J., Waterbury, Conn., assignor to The Hoge Manufacturing Company, Inc., New York, N. Y. Pencil. No. 60,479; Feb. 21.
 Unmack, Lucy G., Los Angeles, Calif. Candlestick. No. 60,480; Feb. 21.
 Upton, Louis C., assignor to Upton Machine Company, St. Joseph, Mich. Cabinet for a washing machine. No. 60,481; Feb. 21.
 Upton Machine Company. (See Upton, Louis C., assignor.)
 Vester, Alfred Sons, Inc. (See Lindemann, Robert F., assignor.)
 Westervelt, Gladys, New York, N. Y. Statuette. No. 60,482; Feb. 21.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- Adams & Hileman, Whitefish, Mont. Salve for piles, catarrh, eczema, etc. No. 152,109; Feb. 21.
- Aetna Chemical Company, Worcester, Mass. Toilet preparation for preventing, absorbing, or deodorizing perspiration. No. 152,110; Feb. 21.
- Altman, B., & Co. (See Schweinburg, Emil, assignor.)
- American Apothecaries Company, New York, N. Y. General tonic and reconstructive. No. 152,112; Feb. 21.
- American Steel & Wire Company of New Jersey, The. (See Washburn & Moen Company, assignor.)
- American Stropper Corporation, Baltimore, Md. Mechanical stroppers for safety-razor blades. No. 152,113; Feb. 21.
- Anderson, Wm., Textile Mfg. Co., New York, N. Y. Certain textile fabrics in the piece. No. 152,114; Feb. 21.
- Angier Chemical Co., Boston, Mass. Certain medicinal preparation. No. 152,115; Feb. 21.
- Arthur, William H., Stamford, Conn. Laxatives. No. 152,116; Feb. 21.
- Atkinson Drug Company, Atkinson, Ill. Compound for sealing leaks in radiators of gas engines. No. 152,117; Feb. 21.
- B. D. Rising Paper Company, Housatonic, Mass. Wedding bristol board and paper, cardboard and writing paper generally. No. 152,320; Feb. 21.
- Baboin, Aimé, & Cie, Lyon, France. Silk piece goods. No. 152,111; Feb. 21.
- Bailey Co., The, Cleveland, Ohio. Certain toilet preparations. No. 152,118; Feb. 21.
- Bapterosses, F., & Cie, Paris, France. Buttons and beads. No. 21,086; renewed May 10, 1922.
- Barney-Bennett Co., Sioux City, Iowa. Stomach remedy. No. 152,119; Feb. 21.
- Baron, Antoni, East Chicago, Ind. Salve for wounds, sores, eczema, and skin diseases. No. 152,120; Feb. 21.
- Barrager, Frank J., Los Angeles, Calif. Celery bread. No. 152,121; Feb. 21.
- Birch Chemical Co., Columbus, Ohio. Liquid dentifrices. No. 152,122; Feb. 21.
- Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece. Nos. 152,306-7; Feb. 21.
- Bon I. Look Stores Company, The, Denver, Colo. Fruits, vegetables, fish, coffee, tea, etc. No. 152,123; Feb. 21.
- Borkowski, Wladyslaw, Brooklyn, N. Y. Compound for relieving fever. No. 152,124; Feb. 21.
- Brown, Jeanette G., Chicago, Ill. Liquid face powder. No. 152,125; Feb. 21.
- Browning, Anna G., Philadelphia, Pa. Certain medicinal preparations. No. 152,126; Feb. 21.
- Brunswick-Balke-Coller Company, The, Wilmington, Del., and Chicago, Ill. Refrigerators. No. 152,127; Feb. 21.
- Burnett, Homer D., Shinnston, W. Va. Corn salve. No. 152,128; Feb. 21.
- Calco Chemical Company, The, Bound Brook, N. J. Certain pharmaceutical preparation. No. 152,129; Feb. 21.
- California Fig-Nut Company, Orange, Calif. Dietetic health food. No. 152,310; Feb. 21.
- Cellular Clothing Company, The. (See Haslam, Lewis, assignor.)
- Cereal Products Co., Manitowoc, Wis. Breakfast cereals, malt food, hominy, etc. No. 152,130; Feb. 21.
- Cetrulo, John, Arlington, N. J. Hair grower. No. 152,131; Feb. 21.
- Chemical Foundation, Inc., The. (See Farbwerke, vormals Meister, Lucius & Brüning, assignor.)
- Chemical Foundation, Inc., The. (See Muller, Edmund, & Mann, assignor.)
- Clausen Zoller Company, The, St. Louis, Mo. Blood and nerve tonic in liquid form. No. 152,132; Feb. 21.
- Clemintshaw, Levitch, & Company, New York, N. Y. Mohair dress fabrics and linings. No. 152,133; Feb. 21.
- Cole, C. C., Atlanta, Ga. Preparation for the treatment of the skin, and face powder. No. 152,134; Feb. 21.
- Colgate & Company, Jersey City, N. J. Liquid and powdered perfumes. No. 152,135; Feb. 21.
- Colgate & Company, New York, N. Y. assignor to Colgate & Company. Perfumes and perfumed soaps and toilet preparations. No. 20,095; renewed Sept. 1, 1921.
- Collins Flour Mills, Pendleton, Ore. Wheat flour. Nos. 152,136-8; Feb. 21.
- Comer, Fetterly & Co., Union Hill, N. J. Certain medicinal preparation. Nos. 152,139-40; Feb. 21.
- Compound Injector & Specialty Co., Chicago, Ill. Chemical preparation used for softening water. No. 152,311; Feb. 21.
- Cooper, Coate & Casey Dry Goods Co., Los Angeles, Calif. Sheets, sheetings, and pillowcases. No. 152,141; Feb. 21.
- Cooper Medicine Co., The, Dayton, Ohio. Liquid laxative cold compound. No. 152,142; Feb. 21.
- Coors, Adolph, B. & M. Company, The, Golden, Colo. Malt cereal beverages. No. 152,309; Feb. 21.
- Corlies, Macy & Co., Inc., New York, N. Y. Writing papers. No. 152,312; Feb. 21.
- Crown Remedy Company, Dallas, Tex. Medicine for catarrhal conditions. No. 152,143; Feb. 21.
- Crown Remedy Company, Dallas, Tex. Antiseptic lotion. No. 152,145; Feb. 21.
- Crown Remedy Company, Dallas, Tex. Certain medicinal preparation. No. 152,144; Feb. 21.
- Crown Remedy Company, Dallas, Tex. Healing ointment. No. 152,146; Feb. 21.
- Cupid Beauty Company, New York, N. Y. Certain toilet preparations. No. 152,147; Feb. 21.
- Deiglmayr, Dr. Ivo, Chemische Fabrik, Munich, Germany. Remedy against gall stones, liver complaint, etc. No. 152,148; Feb. 21.
- Derk, Joseph, Philadelphia, Pa. Light-weight summer portières, silk drapery cloths, and curtains. No. 152,149; Feb. 21.
- De Weese, Paul L., Lima, Ohio. Medicated foot powder. No. 152,150; Feb. 21.
- Diamond Alkali Company, Pittsburgh, Pa. Soda ash and caustic soda. No. 152,151; Feb. 21.
- Duplan Silk Corporation, New York, N. Y. Broad-silk piece goods. Nos. 152,152-5; Feb. 21.
- Du Pont, E. I., de Nemours & Company, Wilmington, Del. Dyestuff intermediates. No. 152,156; Feb. 21.
- Duray, Harold C., Plainfield, N. J. Antiseptic ointment. No. 152,158; Feb. 21.
- East and West Trading Corporation, New York, N. Y. Henna shampoo. No. 152,159; Feb. 21.
- Edenfield, William N., Atlanta, Ga. Alkaline antiseptics. No. 152,160; Feb. 21.
- Edmunds, Henry, Westminster, London, England, assignor to Hydrolloid Incorporated, New York, N. Y. Paper. No. 152,161; Feb. 21.
- Elektrizitätswerk Lonza, Gampel, Switzerland. Certain chemical preparations. No. 152,214; Feb. 21.
- Erhardt, Walter L., St. Louis, Mo. Antiseptics. No. 152,162; Feb. 21.
- Erwin Cotton Mills Co., The, West Durham, N. C. Cotton goods in the piece. No. 152,163; Feb. 21.
- Erwin Cotton Mills Co., The, West Durham, N. C. Sheets and pillowcases and cotton goods in the piece. No. 152,164; Feb. 21.
- Farbwerke, vormals Meister, Lucius & Brüning, Höchst-on-the-Main, German, assignor to The Chemical Foundation, Inc. Remedy for phthisic. Nos. 20,617-18; renewed Jan. 19, 1922.
- Figaro Chemical Co., Dallas, Tex. Egg-preserving compound. No. 152,165; Feb. 21.
- Filipowicz, J., & Co., Baltimore, Md. Remedy for the treatment of rheumatism, headache, etc. No. 152,166; Feb. 21.
- Filkins, Roxana, Traverse City, Mich. Certain medicinal preparation. No. 152,167; Feb. 21.
- Finkel, Sarah, New York, N. Y. Medical preparation for skin diseases. No. 152,168; Feb. 21.
- Finkelstein & Sons, Inc., New York, N. Y. Various piece goods. No. 152,169; Feb. 21.
- Flores, Rudolfo, Sedalia, Mo. Powder for affections of the skin. No. 152,170; Feb. 21.
- Flores, Rudolfo, Sedalia, Mo. Certain ointment. No. 152,171; Feb. 21.
- Folger, J. A., & Co., San Francisco, Calif. Baking powder, cream of tartar, soda. No. 152,172; Feb. 21.
- Forstmann & Huffman Company, Passaic, N. J. Woolen piece goods. Nos. 152,173-81; Feb. 21.
- Garner Print Works and Bleachery, New York, N. Y. Cotton piece goods. No. 152,313; Feb. 21.
- Gates, Robert J., New York, N. Y. Certain medicinal preparation. No. 152,183; Feb. 21.
- Gomillion, Alice G., Lonoke, Ark. Ointment for treating the scalp. No. 152,184; Feb. 21.
- Grasser Chemical Company Inc., New Orleans, La. Mor-dants. No. 152,185; Feb. 21.
- Graves, W. H., Pittsburg, Kans. Preparation for use as a mouth cleanser. No. 152,186; Feb. 21.
- Grenoville, Marie M. Richard vve, Asnières, France. Perfumes, toilet waters, face lotions, eau de cologne, and brillantaine. No. 152,187; Feb. 21.
- Grenoville, Marie M. Richard vve, Asnières, France. Perfumes, toilet waters, brillantaine. No. 152,188; Feb. 21.
- Hair Net Importing Co. Inc., New York, N. Y. Hair nets. No. 152,189; Feb. 21.
- Hanson, Arthur C., Chicago, Ill. Antiseptic powder for cuts, sores, etc. No. 152,190; Feb. 21.
- Hartofelis, Nicles, Manchester, N. H. Face cream. No. 152,191; Feb. 21.
- Haslam, Lewis, assignor to The Cellular Clothing Company, Limited, London, England. Open or net work fabric for wearing apparel. No. 20,152; renewed Sept. 22, 1921.

- Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. No. 152,192; Feb. 21.
- Hollingshead, R. M., Co., The, Camden, N. J. Certain chemical preparations. No. 152,193; Feb. 21.
- Holt & Company, New York, N. Y. Wheat flour. No. 152,195; Feb. 21.
- Hoeks, William A., Atlanta, Ga. Preparation for treatment of nervousness, sleeplessness, and general debility. No. 152,194; Feb. 21.
- Howes Laboratories, Milford, Conn. Pharmaceutical preparation—namely, Howes' rheumatic tablets. No. 152,196; Feb. 21.
- Huyck, F. C., & Sons, Albany, N. Y. Bedspreads and couch covers. No. 152,197; Feb. 21.
- Hydroiloid Incorporated. (See Edmunds, Henry, assignor.)
- Indianapolis Abattoir Company, Indianapolis, Ind. Bacon, smoked belly, fresh pork sausage, etc. No. 152,198; Feb. 21.
- Insecto Manufacturing Co., Inc., Cedar Grove, La. Insecticide. No. 152,199; Feb. 21.
- International Bedding Co., Inc., Baltimore, Md. Mattresses, pillows, and box springs. No. 152,314; Feb. 21.
- Jacob Brothers, Torrington, Conn. Candy and chocolate bars. No. 152,200; Feb. 21.
- Jayne, Dr. D., & Son, Philadelphia, Pa. Remedy for diseases of the respiratory organs. No. 152,201; Feb. 21.
- Jenkinson-Bode Company, Jacksonville, Ill. Canned goods, fruit jams and preserves, coffee, tea, etc. No. 152,315; Feb. 21.
- Johnson, B. M., Manufacturing Co., Jackson, Tenn. Spices and extracts. No. 152,202; Feb. 21.
- Johnson, John O., Chicago, Ill. Lawn-grass seed. No. 152,203; Feb. 21.
- Kaempfer's Incorporated, Chicago, Ill. Mixture or combination of seeds used as a food for birds. No. 152,204; Feb. 21.
- Kaufman-Straus Co., Louisville, Ky. Skin and massage lotions and creams, etc. No. 152,205; Feb. 21.
- Keever Starch Co., The, Columbus, Ohio. Laundry starch. No. 152,206; Feb. 21.
- Kiesling, Charles E., Canton, Ohio. Medicinal tablets for headache, neuralgia, colds, etc. No. 152,207; Feb. 21.
- Kirbarine Co., New York, N. Y. Medicinal preparation and hair restorer. No. 152,208; Feb. 21.
- Kline, Nick W., Los Angeles, Calif. Salve. No. 152,209; Feb. 21.
- Koenig Medicine Company, Chicago, Ill. Line of proprietary medicines. No. 21,103; renewed May 10, 1922.
- Kolar, G. S., Laboratories, Chicago, Ill. Certain toilet and medicinal preparations. No. 152,210; Feb. 21.
- Laboratoire Nauvelle, Paris, France. Medicines for heart affections. No. 152,211; Feb. 21.
- Large, Henry, Jr., and Frederick C. Renziehausen, West Elizabeth, Pa. Whiskies and alcoholic liquors. No. 19,997; renewed Aug. 11, 1921.
- Latimer, Daniel B., Philadelphia, Pa. Laxatives and purgatives. No. 152,212; Feb. 21.
- Lederer, Herbert B., Co. Inc., New York, N. Y. Malines, tulles, and nettings in the piece. No. 152,213; Feb. 21.
- Listerated Gum Corporation, New York, N. Y. Chewing gum. No. 152,316; Feb. 21.
- Lowell Company, The, Lowell, Mass., and New York, N. Y. Certain toilet preparations. No. 152,215; Feb. 21.
- Lowell Company, The, Lowell, Mass., and New York, N. Y. Certain toilet preparations. Nos. 152,216-7; Feb. 21.
- Lowy Laboratory, Inc., Newark, N. J. Prophylactics, particularly for venereal diseases. No. 152,218; Feb. 21.
- McDougall & Yalding Ltd., Yalding, England. Certain chemical preparations. Nos. 152,219-20; Feb. 21.
- Mackie Pine Oil Specialty Co., Inc., Covington, La. Certain medicinal preparation. No. 152,221; Feb. 21.
- Maconochie Bros., Lowestoft, England. Canned goods. Nos. 20,276-7; renewed Oct. 27, 1921.
- Marcel, Francois R., Brooklyn, N. Y. Hair dye. No. 152,222; Feb. 25.
- Marcel, Francois R., Brooklyn, N. Y. Oily preparation for producing permanent waves in the human hair. Nos. 152,223-4; Feb. 21.
- Marie Djang-lure Co., Seattle, Wash. Toilet (face) powder. No. 152,308; Feb. 21.
- Marsh Motor Car Company, Cleveland, Ohio. Passenger automobiles. No. 152,225; Feb. 21.
- Marshall Field & Company, Chicago, Ill. Bedspreads. No. 152,226; Feb. 21.
- Marshall Field & Company, Chicago, Ill. Nainsook piece goods. No. 152,317; Feb. 21.
- Marshall Field & Company, Chicago, Ill. Sheets and pillowcases. No. 152,318; Feb. 21.
- Martin, W. E., Chicago, Ill. Bluing compound. No. 152,227; Feb. 21.
- Maw, S., Son and Sons, Limited, London, England. Teats for feeding bottles, baby soothers, and teething rings. No. 152,228; Feb. 21.
- Menley & James, Limited, New York, New York, N. Y. Certain pharmaceutical preparations. No. 152,229; Feb. 21.
- Merck & Co., New York, N. Y. Hexamethylenamin in powder and tablet. No. 152,230; Feb. 21.
- Metz, H. A., Laboratories, Inc., New York, N. Y. Anesthetics and preparations for alleviating irritation and pain. Nos. 152,231-2; Feb. 21.
- Mitchell-Bissell Company, New York, N. Y. Thread guides for textile machinery. No. 152,233; Feb. 21.
- Mohr, C. H., and Company, Chicago, Ill. Certain medicinal preparation for the treatment of horses and farm stock. No. 152,234; Feb. 21.
- Moore, Zannie E., Granger, Tex. Medicinal preparation used as a remedy for tuberculosis. No. 152,235; Feb. 21.
- Morton Sundour Fabrics, Ltd., Dentonhill, Carlisle, England. Cotton piece goods. Nos. 152,236-7; Feb. 21.
- Mowery, John H., Cincinnati, Ohio. Preparation for the treatment of pyorrhea. No. 152,238; Feb. 21.
- Muller, Edmund & Mann, Charlottenburg, near Berlin, Germany, assignor to The Chemical Foundation, Inc. Anticorrosive oils, paints, varnishes, and lacquers. No. 20,799; renewed Mar. 1, 1922.
- Nagel-Chase Mfg. Co., The, Chicago, Ill. Gasoline lamps. No. 152,319; Feb. 21.
- Nathan & Cie. Laboratories Cadum, Courbovoie, France. Tooth paste, cold cream, complexion powder, etc. No. 152,239; Feb. 21.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. Nos. 152,240-2; Feb. 21.
- National Candy Company. (See Pan Confection Company, assignor.)
- Nedlin, Morris, Chicago, Ill. Bluing. No. 152,243; Feb. 21.
- Newton Horse Remedy Co., The, Toledo, Ohio. Remedy for heaves, coughs, or distemper. No. 20,814; renewed Mar. 8, 1922.
- Nodol Medicine Co., St. Louis, Mo. Certain medicinal preparation. No. 152,244; Feb. 21.
- Nodde, Lena O., Fort Leavenworth, Kans. Shampoo. No. 152,245; Feb. 21.
- Northern Flour Mills Company, Portland, Oreg. Rolled oats, wheat flakes, farina. No. 152,246; Feb. 21.
- Odri Company, Los Angeles, Calif. Liquid preparation to reduce and deodorize perspiration. No. 152,247; Feb. 21.
- Ohio Valley Refining Company, St. Marys, W. Va. Kerosene, gasoline, fuel oil, lubricating oil, and paraffine wax. No. 152,248; Feb. 21.
- Organ-Iron Company, Omaha, Nebr. Medicine for colds, grippe, influenza, etc. No. 152,249; Feb. 21.
- Pan Confection Company, Chicago, Ill., assignor to National Candy Company. Confections and candies. No. 20,957; renewed Apr. 12, 1922.
- Parrish, James B., Denver, Colo. Liniment. No. 152,250; Feb. 21.
- Penslar Company, The, Detroit, Mich. Dentifrices. No. 152,251; Feb. 21.
- Plantier, Dr. Ludovic, Annonay, Ardeche, France. Certain medicinal preparation. No. 152,252; Feb. 21.
- Poage-Wall Milling Company, Catlettsburg, Ky. Wheat flour. Nos. 152,253-4; Feb. 21.
- Polar Salve Company, New York, N. Y. Salve. No. 152,255; Feb. 21.
- Potaschnik, Jacob, New York, N. Y. Hair tonic. No. 152,256; Feb. 21.
- Precision Equipment Co., The, Cincinnati, Ohio. Spark plugs, receiving tuners, audion-control cabinets, etc. No. 152,257; Feb. 21.
- Red Star Milling Company, The, Wichita, Kans. Wheat flour. No. 152,258; Feb. 21.
- Renziehausen, Frederick C. (See Large, H., Jr., and Renziehausen.)
- Revere Rubber Company, Boston, Mass., assignor to Revere Rubber Company. Rubber belting, hose, and packing. No. 20,848; renewed Mar. 15, 1922.
- Rider, S. A., Company, Chicago, Ill. Hair nets. No. 152,259; Feb. 21.
- Roberts, J. W., & Son Inc., Tampa Fla. Cigars, cigarettes, cheroots, tobacco. No. 152,321; Feb. 21.
- Rochietta, Camillo, Pinerolo, Italy. General tonic. No. 152,260; Feb. 21.
- Rogers & Thompson, New York, N. Y. Silk piece goods. No. 152,261; Feb. 21.
- Rose, James T., Huntington, W. Va. Certain articles of clothing. No. 152,262; Feb. 21.
- Roth, Otto, New York, N. Y. Cheese. No. 152,263; Feb. 21.
- Samstag & Hilder Bros., New York, N. Y. Talcum powder. No. 152,264; Feb. 21.
- Sands, Tollef, Tacoma, Wash. Tooth powder. No. 152,265; Feb. 21.
- Schmidt, Julius C., Eldorado Springs, Mo. Certain medicine. No. 152,266; Feb. 21.
- Schweinburg, Emil, New York, N. Y., assignor to B. Altman & Co. Corsets. No. 21,006; renewed Apr. 19, 1922.
- Sénégas, Jean, New York, N. Y. Nail polish. No. 152,268; Feb. 21.
- Sénégas, Jean, New York, N. Y. Solution for lightening the shade of hair. No. 152,267; Feb. 21.
- Seril, Abraham, New York, N. Y. Certain textile fabrics in the piece. 152,269; Feb. 21.
- Service Motor Truck Company, Wabash, Ind. Motor trucks. 152,270; Feb. 21.
- Sims, James E., Oradell, N. J. Certain chemical preparation. No. 152,271; Feb. 21.
- Sloma, Stanislaw, Depew, N. Y. Palliative for throat diseases and malignant growths in throat. No. 152,272; Feb. 21.
- Société Anonyme des Usines Giulini, Basel, Switzerland. Fluxes for soldering and welding. No. 152,274; Feb. 21.

- Société Anonyme des Parfums d'Arys, Courbevoie, France. Perfumes, eau de cologne, toilet cream, face lotions, etc. No. 152,273; Feb. 21.
- Spa Baths Co. Inc., Saratoga Springs N. Y. Mineral and medical salt. No. 152,275; Feb. 21.
- Spitzer, Rudolph, New York, N. Y. Certain piece goods. No. 152,276; Feb. 21.
- Standard Oil Company of New York, New York, N. Y. Medicinal oils for constipation, laundry wax, petroleum, disinfectants, and dyes. No. 152,277; Feb. 21.
- Stearns, Frederick & Company, Detroit, Mich. Medicine. No. 152,182; Feb. 21.
- Steinmetz, Louis A., Brooklyn, N. Y. Hair tonic. No. 152,278; Feb. 21.
- Stewart, J. Marcus, Charlotte, N. C. Certain medicinal preparation. No. 152,279; Feb. 21.
- Sweeney, William R., Salisbury, Mo. Rat, mouse, mole, and gopher poison. No. 152,280; Feb. 21.
- Sweet-Odor-Home Company, San Francisco, Calif. Deodorants. No. 152,281; Feb. 21.
- Tehan, Maurice J., Springfield, Ohio. Certain toilet and medicinal preparation. No. 152,282; Feb. 21.
- Tetralin Gesellschaft mit beschränkter Haftung, Berlin, Germany. Explosive substances, projectiles, ammunition. No. 152,283; Feb. 21.
- Thompson, John, & Sons, Ltd., Belfast, Ireland. Oats (for food). No. 152,284; Feb. 21.
- U. S. Oil & Supply Co., Providence, R. I. Wool oil used to lubricate and soften wool preparatory to spinning. No. 152,286; Feb. 21.
- Uhlmann, Bernhard, Passaic, N. J. Medicinal compound for rheumatic ailments. No. 152,285; Feb. 21.
- United Alloy Steel Corporation, Canton, Ohio. Certain steel office equipment and furniture. No. 152,328; Feb. 21.
- Upprest Products Corporation, New York, N. Y. Disinfectant-holder attachment for telephone mouthpieces. No. 152,329; Feb. 21.
- Victor-American Fuel Company, Portland, Me., and Denver, Colo. Coal. Nos. 152,322-7; Feb. 21.
- Wallace & Tiernan Co., Inc., Newark, N. J. Wheat flour. 152,287; Feb. 21.
- Wanamaker, John, New York, New York, N. Y. Perfumes, sachets, toilet waters, powders. Nos. 152,288-9; Feb. 21.
- Ward Baking Company, New York, N. Y. Bread. No. 152,290; Feb. 21.
- Ward Baking Company, New York, N. Y. Cake. No. 152,291; Feb. 21.
- Ward, Marcus, Inc., New York, N. Y. Writing paper, but known to the trade as linen writing paper. No. 152,292; Feb. 21.
- Washburn & Moen Company, Worcester, Mass., assignor to The American Steel & Wire Company of New Jersey. Barbed wire. No. 20,716; renewed Feb. 16, 1922.
- Wauchula Chemical Company, Wauchula, Fla. Hair tonics. No. 152,293; Feb. 21.
- Weber Flour Mills Corporation, Salina, Kans. Wheat flour. No. 152,294; Feb. 21.
- Western Bottle Manufacturing Company, Chicago, Ill. Hair nets. No. 152,295; Feb. 21.
- West Virginia Pulp & Paper Co., New York, N. Y. Coated book and magazine paper. No. 152,330; Feb. 21.
- White Tar Company, The, New York, N. Y. Dyes. No. 152,296; Feb. 21.
- Wiggins, Clara, Tampa, Fla. Hair grower. No. 152,297; Feb. 21.
- Wilson, Arthur C., Brevard, N. C. General tonic and blood preparation. No. 152,298; Feb. 21.
- Winship, Boit & Co., Wakefield, Mass., and New York, N. Y. Certain piece goods and veillings. Nos. 152,299-300; Feb. 21.
- Wolfram, Emil, Columbus, Ohio. Certain medicinal preparations. No. 152,301; Feb. 21.
- Woods, Charles G., Jr., Burbank, Calif. Mixture for destruction of rodents. No. 152,302; Feb. 21.
- Yellow-Fluid Chemical Co., The, Charleston, S. C. Insect exterminator, disinfectant, and deodorizer. No. 152,303; Feb. 21.
- Youth-Gland Chemical Laboratories, Ltd., Chicago, Ill. Certain medicinal preparation. No. 152,304; Feb. 21.
- Zem Chemical Company, The, Baltimore, Md. Medicated skin cream. No. 152,305; Feb. 21.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

- Cook, Harry A., Yakima, Wash. "Auto Drive Friend." (For Cement.) No. 24,116; Feb. 21.
- Crane, Walter B., Dover Plains, N. Y. "Dover Hill Honey." (For Bottles and Cans Containing Honey.) No. 24,117; Feb. 21.
- Glicksman, Fred, Milwaukee, Wis. "Milk-Maid Bread." (For Bread.) No. 24,118; Feb. 21.
- Kay & Ess Chemical Company, Inc., New York, N. Y. "Magico." (For Packages or Cartons Containing an Insect Exterminator.) No. 24,119; Feb. 21.
- Knickerbocker Chocolate Company, West Hoboken, N. J., and New York, N. Y. "Sweet Milk Chocolate." (For Sweet-Milk Chocolate.) No. 24,120; Feb. 21.
- Phytamin Corporation, The, Wilmington, Del., and New York, N. Y. "Phytamin." (For a Food Product.) No. 24,121; Feb. 21.
- Rohlfing, Louis C., St. Louis, Mo. "Ha-Lo Antiseptic Cylinders, Antiseptic, Healing, Deodorant, Prophylactic." (For Medicinal Preparations for Colds, Grippe, Headache, and Neuralgia.) No. 24,122; Feb. 21.
- Sterling Malt & Hop Co., Irvington, N. J. "Sterling Brand." (For Malt Sirup.) No. 24,123; Feb. 21.
- Teddy Multiplication Game Company, The, Cleveland, Ohio. "Play Teddy's Multiplication Game It Multiplies Your Abilities." (For Playing-Cards.) No. 24,126; Feb. 21.
- Trouche, Paul E., Charleston, S. C. "Cotton Fibre." (For Toilet Paper.) No. 24,124; Feb. 21.
- Tuuri, Matti, Fairport Harbor, Ohio. "Fresh Fine Cakes." (For Cakes.) No. 24,127; Feb. 21.
- Wagner Pastry Co., The, Newark, N. J. "Mrs. Wagner's Famous Home-Made Pies." (For Pies.) No. 24,125; Feb. 21.
- Wilbert Products Co., The, New York, N. Y. "Wilbert's Housework Ammonia." (For Bottles and other Receptacles Containing Ammonia.) No. 24,128; Feb. 21.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

- America Narrow Fabric Co., Providence, R. I. "American Brand Corset Laces." (For Advertising Purposes for Corset Laces.) No. 5,981; Feb. 21.
- Bassick Company, The, Bridgeport, Conn. "The Neglected Inch." (For Advertising Purposes for Casters.) No. 5,982; Feb. 21.
- Cleveland Metal Products Company, The, Cleveland, Ohio. "Heat by the Roomful." (For Advertising Purposes for Perfection Oil Heaters.) No. 5,983; Feb. 21.
- Coca Cola Company, The, Atlanta, Ga. "Drink Coca-Cola the Year-Round Drink." (For Advertising Purposes for Coca-Cola.) No. 5,984; Feb. 21.
- Elgin National Watch Company, Chicago, Ill. "The Elgin Economy Watch." (For Advertising Purposes for Watches.) No. 5,985; Feb. 21.
- Gulbranson, Dickinson Company, Chicago, Ill. "Easy to Play." (For Advertising Purposes for Player-Pianos.) No. 5,986; Feb. 21.
- Palmolive Company, The, Milwaukee, Wis. "This Beauty Every Girl Can Have." (For Advertising Purposes for Palmolive Soap.) No. 5,987; Feb. 21.
- Parker Pen Company, Janesville, Wis. "Parker Fountain Pen." (For Advertising Purposes for Fountain Pens.) No. 5,988; Feb. 21.
- Richards, James E., Company, The, Dayton, Ohio. "Sport Trousers." (For Advertising Purposes for White Duck Clothing.) No. 5,989; Feb. 21.
- Stein, A., & Company, Chicago, Ill. "3000 Hours of Solid Comfort." (For Advertising Purposes for Garters.) No. 5,990; Feb. 21.
- Stevenson, T. W., Co., Minneapolis, Minn. "From Daddy to Laddie." (For Advertising Purposes for Lamb and Leather Lined Coats.) No. 5,991; Feb. 21.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Adams, Harry, New York, N. Y. Preparation for the treatment of rheumatism. No. 155,383; Feb. 21.
- Ahrens, Edward H., New York, N. Y. Monthly publications. No. 154,173; Feb. 21.
- Ajax Rope Company, Inc., New York, N. Y. Manila, sisal, wire and marline covered rope. No. 155,472; Feb. 21.
- Almetal Manufacturing Company, The, Maplewood, Mo. Laundry washing machines. No. 141,478; Feb. 21.
- American Automatic Lock and Lift Company, San Francisco, Calif. Concealable beds. No. 153,755; Feb. 21.
- American Laundry Machinery Company, The, Norwood, Ohio. Laundry washers and sterilizers, wringers, starchers, etc. No. 139,243. Feb. 21.
- American Wholesale Corporation (Baltimore Bargain House), Baltimore, Md. Mouse, rat, and animal traps, fur rugs. No. 123,097; Feb. 21.
- Anderson, Robert D. H., New York, N. Y. Brackets for electric lamps. No. 143,198; Feb. 21.
- Arkola Company, The, Little Rock, Ark. Nonalcoholic maltless beverage. No. 145,425; Feb. 21.
- Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing line. Nos. 157,792-6; Feb. 21.
- Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing line. Nos. 157,800-2; Feb. 21.
- Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing line. Nos. 157,806-7; Feb. 21.
- Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing line. No. 157,809; Feb. 21.
- Ashaway Line and Twine Manufacturing Company, Ashaway, R. I. Fishing line. Nos. 157,812-16; Feb. 21.
- Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing line. Nos. 157,818-19; Feb. 21.
- Baker, J. Howard, Fort Smith, Ark. Cough sirup. No. 155,544; Feb. 21.
- Baker Paint & Varnish Co., Jersey City, N. J. Putty. No. 157,876; Feb. 21.
- Bauer & Black, Chicago, Ill. Soap. No. 155,593; Feb. 21.
- Bell Washer and Wringer Company, Cleveland, Ohio. Laundry washing machines. No. 144,375; Feb. 21.
- Bellaire, Louis, Le Mars, Iowa. Salve for wounds, sores, irritation, etc. No. 155,476; Feb. 21.
- Bendy, Mrs. G. W., Houston, Tex. Pomade. No. 155,547; Feb. 21.
- Bernard, W. J., New York, N. Y. Watches. No. 155,009; Feb. 21.
- Berry Brothers, Detroit, Mich. Varnishes. No. 157,979; Feb. 21.
- Blininger, Frank H., Cleveland, Ohio. Tire-tube patches. No. 152,062; Feb. 21.
- Bixler, Miles F., Company, Cleveland, Ohio. Scarf pins, ladies' watch chains, lockets, etc. No. 147,400; Feb. 21.
- Bloedel Donovan Lumber Mills, Seattle and Bellingham, Wash. Stepping, finish, ceiling, drop siding, etc.; all made of wood. No. 140,983; Feb. 21.
- Branower, George I., New York, N. Y. Preparation for the treatment of pyorrhea. No. 154,428; Feb. 21.
- Bretch, Sam, Wholesale Specialties, Oklahoma, Okla. Rubber inner tubes for automobile tires. No. 148,694; Feb. 21.
- Brittains, Limited, Cheddleton, England. Pottery, lithographic, and electrical papers, etc. No. 153,637; Feb. 21.
- Brown, Edward W., Co., San Francisco, Calif. Gelatine preparation. No. 148,866; Feb. 21.
- Bunch, Edward T., Philadelphia, Pa. Salted peanuts, peanut butter, and sandwiches, chocolate bars. No. 148,692; Feb. 21.
- Burrows, Eastman A., Chicago, Ill. Refrigerating apparatus, artificial-ice machinery, including freezing tanks. No. 156,878; Feb. 21.
- Buzz Syrup Co. Inc., Reading, Pa. Maltless beverage sirups for soda fountains. No. 129,622; Feb. 21.
- Capen, George H., Canton Junction, Mass. Hat dye. No. 155,392; Feb. 21.
- Cheramy, Incorporated, New York, N. Y. Toilet soaps. No. 157,022; Feb. 21.
- Chicago Steel and Wire Company, Chicago, Ill. Welding material. No. 154,400; Feb. 21.
- Chocolate Products Company, Baltimore, Md. Candy comprised wholly or in part of chocolate. No. 152,673; Feb. 21.
- Colgate & Company, Jersey City, N. J. Soaps. No. 156,079; Feb. 21.
- Colgate & Company, Jersey City, N. J. Soaps. No. 156,082; Feb. 21.
- Comfort Powder Co. Inc., The, Boston, Mass. Toilet powder. No. 152,832; Feb. 21.
- Commercial Soap Company, Reno, Nev. Toilet soap. No. 156,568; Feb. 21.
- Condensed Bluing Company, Chicago, Ill. Bluing. No. 143,160; Feb. 21.
- Continental Jewelry Company, The, Cleveland, Ohio. Scarf and bar pins, finger rings, etc. No. 147,413; Feb. 21.
- Crescent Bed Co. Ltd., New Orleans, La. Beds, cribs, bed-springs, cots, mattresses. No. 155,482; Feb. 21.
- Davis, Abraham M., Chicago, Ill. Medicine, (a yeast laxative.) No. 142,203; Feb. 21.
- De Klyn Candy Co., The, Cleveland, Ohio. Candy. No. 131,018; Feb. 21.
- Dixon, Joseph, Crucible Company, Jersey City, N. J. Rubber erasers. No. 157,917; Feb. 21.
- Dubonnet Company, The, Connellsville, Pa. Ginger ale. No. 157,558; Feb. 21.
- Dunlap, Fred C., Kansas City, Mo. Cleaning compound for the hands. No. 156,737; Feb. 21.
- Eastern Advertising Company, New York, N. Y. Magazine section. No. 153,878; Feb. 21.
- Edmonds Shoe Company, Milwaukee, Wis. Leather shoes. No. 157,310; Feb. 21.
- Edwards, A. M., Atlanta, Ga. Tonic and blood purifier. No. 154,017; Feb. 21.
- Electric Vacuum Cleaner Company, Cleveland, Ohio. Electric vacuum cleaners and parts thereof. No. 151,616; Feb. 21.
- Elgin National Watch Company, Chicago, Ill. Watches and watch movements. No. 153,971; Feb. 21.
- Equity Growers & Shippers Association, Hamilton, Mont. Fresh apples. No. 153,877; Feb. 21.
- Ferré, Docteur H. & Cie, Paris, France. Medicines for venereal diseases. No. 154,018; Feb. 21.
- Field, George C., Newark, N. J. Soap. No. 150,892; Feb. 21.
- Fischer, Carl, New York, N. Y. Violin strings. No. 148,538; Feb. 21.
- Frost, John M., Buffalo, N. Y. Pharmaceutical preparations. No. 122,431; Feb. 21.
- Gage, Joseph A., Dallas, Tex. Canned chile con carne, peach jam, blackberry preserves, etc. No. 152,795; Feb. 21.
- Gans, Louis R., Brooklyn, N. Y. Furniture and upholstery. No. 140,642; Feb. 21.
- Gomez & Sloan, Inc., New York, N. Y. Metal pipes, pipe fittings, soap containers, etc. No. 153,397; Feb. 21.
- Greening Nursery Co., The, Monroe, Mich. Nursery products. No. 149,080; Feb. 21.
- Grenoville, Marie M. Richard Vve, Asnieres, France. Perfumes, toilet waters, etc. No. 145,195; Feb. 21.
- Havens, Clara V., New York, N. Y. Washable dolls, toy animals, and doll clothes. No. 156,329; Feb. 21.
- Hawkeye Cleanser Co., Lost Nation, Iowa. Cleanser in soap form. No. 153,981; Feb. 21.
- Hewlett Bros. Company, Salt Lake City, Utah. Coffee. No. 148,937; Feb. 21.
- Holmac, Inc., New York, N. Y. Golf balls. No. 157,611; Feb. 21.
- Hopkins, Thornton, Nashville, Tenn. Boiler compound. No. 134,567; Feb. 21.
- Hudson, King C., Chicago, Ill. Tooth paste. No. 155,561; Feb. 21.
- Hudson, R. A., Company, Inc., Auburn, N. Y. Almond cream, vegetable-oil shampoo, antiseptic lotion, etc. No. 153,727; Feb. 21.
- Hudson Tire Co. Inc., Newark, N. J. Rubber tires. No. 151,914; Feb. 21.
- Huggins, Walter H., Malden, Mass. Disinfectants, deodorizers, fumigators, antiseptics. No. 155,615; Feb. 21.
- Hughes, W. H., Sapulpa, Okla. Preparation for the treatment of rheumatism, gout, eczema, etc. No. 155,348; Feb. 21.
- Huseman, Charles, St. Louis, Mo. Convertible children's wagons, coasters, and scooters. No. 153,932; Feb. 21.
- Huyck, T. C., & Sons, Albany, N. Y. Steamer and sanitarium rugs, lap robes, overcoating. No. 118,265; Feb. 21.
- Ideal Tire and Rubber Company, The, Cleveland, Ohio. Vehicle tires, inner tubes, tire casings and shoes, and repair parts. No. 155,967; Feb. 21.
- Innis, Speiden & Co. Inc., New York, N. Y. Bleaching powder, caustic potash, etc. No. 154,275; Feb. 21.
- J. X. Chemical Company, The, Baltimore, Md. Salve, medicated cream. No. 155,350; Feb. 21.
- Jasper, Minna A., Rochester, N. Y. Cough medicine. No. 153,846; Feb. 1.
- Jenkins, John J., Victor, Colo. Antiseptic wash. No. 155,349; Feb. 21.
- Kelly-Springfield Tire Company, New York, N. Y. Resilient vehicle tires. No. 153,142; Feb. 21.
- Klavyon, James J., Pittsburgh, Pa. Liniments. No. 148,805; Feb. 21.
- Lamb Fruit Company, The, Milton, Oreg. Fresh deciduous fruit. No. 153,006; Feb. 21.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

xvii

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Lauter-Humana Company, Newark, N. J. Pianos and player pianos. No. 148,497; Feb. 21.
- Lavello Company, The, Columbus, Ohio. Skin lotion. No. 155,265; Feb. 21.
- Lewinski, Frank K., Akron, Ohio. Healing salve for wounds. No. 153,818; Feb. 21.
- Lindsley, John N., Inc., South Orange, N. J. Hammers. No. 151,460; Feb. 21.
- Lottman, C. F., & Sons, Houston, Tex. Mattresses. No. 152,177; Feb. 21.
- McConnell, Edward, & Co., New York, N. Y. Water-proofed textile fabrics. No. 123,706; Feb. 21.
- Manhattan Rubber Mfg. Co., The, Passaic, N. J. Rubber belting and hose. No. 146,025; Feb. 21.
- Mari-Bell Sweets, Minneapolis, Minn. Candies. No. 152,765; Feb. 21.
- Marshall Field & Company, Chicago, Ill. Bedspreads. No. 140,324; Feb. 21.
- Marshall Field & Company, Chicago, Ill. Lingerie trimming, fancy braids, etc. No. 146,534; Feb. 21.
- Marston-Greening Company, Inc., Los Angeles, Calif. Nuts and popcorn. No. 146,775; Feb. 21.
- Masco Drug Company, Boston, Mass. Medicinal tablets used as a cathartic. No. 137,847; Feb. 21.
- Miller Filler Co., Inc., Brockton, Mass. Plastic composition. No. 155,107; Feb. 21.
- Muraour, Henri, & Cie., Grasse, France. Perfumes, extracts, essences, aromatic compounds, etc. Nos. 152,436-7; Feb. 21.
- Mushet, W. E., San Francisco, Calif. Firebrick, furnace and baffle tiles, high-temperature cement. No. 147,629; Feb. 21.
- National Commodities Co., Philadelphia, Pa. Sanitary human-hair nets. No. 154,234; Feb. 21.
- National Washboard Company, Chicago, Ill.; Saginaw, Mich., and Memphis, Tenn. Washboards. No. 152,630; Feb. 21.
- Nicholsons (Newcastle-on-Tyne) Limited, Newcastle-on-Tyne, England. Polishing preparation for floors, furniture, and other woodwork. No. 129,794; Feb. 21.
- Oregon Brass Works, Portland, Oreg. Journal bearings. No. 139,414; Feb. 21.
- Ovington Bros. Company, New York, N. Y. Fans for personal use. No. 142,398; Feb. 21.
- Pace Phonograph Corporation, New York, N. Y. Phonographs, phonograph records, player rolls. No. 149,558; Feb. 21.
- Pacific Gas Radiator Co., Los Angeles, Calif. Gas radiators. No. 157,386; Feb. 21.
- Parke, Davis & Company, Detroit, Mich. Hemostatics, astringents, hypnotics, etc. No. 153,564; Feb. 21.
- Parker Pen Co., The, Janesville, Wis. Fountain pens. No. 157,956; Feb. 21.
- Patchett, Samuel C., Washington, D. C. Paper weights. No. 154,417; Feb. 21.
- Pencil Products Corporation, New York, N. Y. Pencils of the propelled-lead type. No. 158,093; Feb. 21.
- Pioneer Manufacturing Company, The, Cleveland, Ohio. Paint thinner or turpentine substitute. No. 141,869; Feb. 21.
- Plant, Thomas G., Company, Boston, Mass. Boots, shoes, and slippers of leather, rubber, felt, silk, cloth, etc. No. 156,802; Feb. 21.
- Plumbers Trade Journal Publishing Company, New York, N. Y. Semimonthly magazine. No. 154,567; Feb. 21.
- Pool, Normal T., Atlanta, Ga. Preparation for cleaning the hands, rugs, fine fabrics, woodwork, etc. No. 155,317; Feb. 21.
- Porteous Products Corp., Inc., The, New York, N. Y. Patches for rubber goods. No. 155,116; Feb. 21.
- Procter and Gamble Company, The, Cincinnati, Ohio. Soap. No. 156,295; Feb. 21.
- Purity Biological Laboratories, Sioux City, Iowa. Black-leg aggression, vaccine for cattle, etc. No. 129,245; Feb. 21.
- Rade Rite Mfg. Co., The, Holyoke, Mass. Radiator sealing material. No. 154,381; Feb. 21.
- Raybestos Company, The, Bridgeport, Conn. Brake lining. No. 150,469; Feb. 21.
- Reiss-Premier Pipe Company, Chicago, Ill. Smoking pipes and cases for pipes. No. 156,501; Feb. 21.
- Rieser Company, The, New York, N. Y. Lip sticks, face powders, rouge, etc. No. 155,449; Feb. 21.
- Rose, J., & Co. Inc., New York, N. Y. Refrigerators. No. 157,589; Feb. 21.
- Ruocco, Salvatore, New York, N. Y. Medicine used in the treatment of pneumonia. No. 155,772; Feb. 21.
- Ruthrauff, W. M., Company, Philadelphia, Pa. Dental frice. No. 155,637; Feb. 21.
- S. O. S. Ignition Company, Brooklyn, N. Y. Spark intensifiers for internal-combustion engines. No. 147,052; Feb. 21.
- San Antonio Drug Co., San Antonio, Tex. Allspice, licorice, milk, sugar, tea, etc. No. 142,417; Feb. 21.
- San Aprove Company, The, Detroit, Mich. Tooth paste. No. 154,094; Feb. 1.
- Scanlan and Hayes Piston-Ring Company, St. Louis, Mo. Piston rings. No. 151,929; Feb. 21.
- Schwartz, J. C., St. Louis, Mo. Material for models for the construction of dental crowns and bridges. No. 156,030; Feb. 21.
- Schwarz, John A., Inc., New York and Brooklyn, N. Y. Mattresses. No. 133,900; Feb. 21.
- Schwarzenbach, Huber Company, West Hoboken, N. J., and New York, N. Y. Broad silks, linens, shirtings, etc. No. 154,667; Feb. 21.
- Scotch-Tone Company, Oklahoma, Okla. Soap. No. 155,420; Feb. 21.
- Security Certificate Company, Los Angeles, Calif. Title and identification certificate. No. 138,522; Feb. 21.
- Shel-less Nut Co., Baltimore, Md. Shelled pecans and pecan-nut meats. No. 138,026; Feb. 21.
- Shuttles, Myra M., Dallas, Tex. Blood specific for impure blood. No. 155,778; Feb. 21.
- Smith & Davis Manufacturing Company, St. Louis, Mo. Beds and bedsprings. No. 155,774; Feb. 21.
- Smith & Hemenway Company Inc., New York, N. Y., and Irvington, N. J. Glass cutters. No. 151,773; Feb. 21.
- Smith-Kirk Candy Co., The, Toledo, Ohio. Chocolates and candy. No. 151,851; Feb. 21.
- Societe Civile des Heritiers de P. Basset, Tassin la Demi-Lune, France. General analgesic and medicine for neuralgia, toothache, etc. No. 153,997; Feb. 21.
- Societe Generale des Eaux Minerales de Vittel, Vittel, France. Natural mineral waters. Nos. 156,930-31; Feb. 21.
- St. Louis Coffee & Spice Mills, St. Louis, Mo. Coffee. No. 134,609; Feb. 21.
- Super Polish Co., Detroit, Mich. Polish for furniture, automobiles, and pianos. No. 140,618; Feb. 21.
- Sweltzer, Lothar E., Milwaukee, Wis. Germicidal dental medicines and tooth paste. No. 154,851; Feb. 21.
- Tichenor, Walter A., Brooklyn, N. Y. Semilaxative tablets or powders. No. 154,160; Feb. 21.
- Trejo, Ferdinand, New York, N. Y. Perspiration deodorant. No. 155,463; Feb. 21.
- Utica Flavor & Extract Co., Inc., Utica, N. Y. Concentrated and crushed fruit sirups and fruit juices used in making beverages. No. 123,945; Feb. 21.
- Viner, Burpee E., Hartford, Conn. Mops, dusters, brushes, mop handles. No. 153,961; Feb. 21.
- Vivaudou, V., Inc., New York, N. Y. Face powders and creams, perfumes, rouges, etc. No. 155,285; Feb. 21.
- Warner's, W. T., Sons Company, The, Cincinnati, Ohio. Nonalcoholic, noncereal, maltless beverage. No. 157,467; Feb. 21.
- Wallbrunn, Kling & Co., Chicago, Ill. Children's water-color palettes. No. 156,729; Feb. 21.
- Warren, S. D., Company, Boston, Mass. Printing paper. No. 156,612; Feb. 21.
- Western Tool & Forge Company, Duluth, Minn. Cold chisels and punches. No. 154,713; Feb. 21.
- Wilson-Imperial Company, Newark, N. J. Washing compound. No. 152,155; Feb. 21.
- Windell, Frank D., Philadelphia, Pa. Temperature-registering devices. No. 153,488; Feb. 21.
- Yale & Towne Mfg. Co., The, Stamford, Conn. Automotive trucks and trailers. No. 156,127; Feb. 21.
- Young & Sons, Inc., Hoboken, N. J. Transits and levels. Nos. 155,531-2; Feb. 21.
- Zo-No Company, The, Cleveland, Ohio. Preparation for the extermination of vermin. No. 153,965; Feb. 21.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF FEBRUARY, 1922.

NOTE.—Arranged in accordance with the first significant character or word of the name. (In accordance with city and telephone directory practice.)

- Acetylene, Manufacturing cylinders for dissolved. O. H. Skinner and H. S. Smith. No. 1,407,588; Feb. 21.
- Acid, Manufacture of nitric. P. A. Guye. No. 1,407,530; Feb. 21.
- Adhesive-applying mechanism. H. W. White. No. 1,407,612; Feb. 21.
- Advertisements, Apparatus for displaying light. B. A. Nielsen. No. 1,407,564; Feb. 21.
- Aeroplane. S. D. Mott. No. 1,407,293; Feb. 21.
- Aeroplane. J. and E. Sharp. (Reissued.) No. 15,291; Feb. 21.
- Aeroplane. S. A. Williamson. No. 1,407,505; Feb. 21.
- Aeroplane propeller. D. G. Harkins. Nos. 1,407,271-2; Feb. 21.
- Aeroplanes, Pilot compartment for. I. Hatano. No. 1,407,414; Feb. 21.
- Aircraft, Metal spar for. H. N. Wylie. No. 1,407,242; Feb. 21.
- Airplanes, Propeller for. N. F. Overturf. No. 1,407,080; Feb. 21.
- Air-inlet device. V. H. Van Sant. No. 1,407,049; Feb. 21.
- Alloy, Platinum. F. B. Fry. No. 1,407,525; Feb. 21.
- Amusement apparatus. E. A. Day and A. W. White. No. 1,407,642; Feb. 21.
- Amusement device. R. C. Pryor. No. 1,407,084; Feb. 21.
- Animal trap. J. R. Spencer. No. 1,407,096; Feb. 21.
- Antiskid device. F. A. Greenfield. No. 1,407,529; Feb. 21.
- Antiskid device and tire protector. F. Prokupek. No. 1,407,298; Feb. 21.
- Applying apparatus. H. B. Greenough. No. 1,407,026; Feb. 21.
- Armrest. L. H. Simpson. No. 1,407,174; Feb. 21.
- Articles, Joining metal. G. Kübler. No. 1,407,202; Feb. 21.
- Asbestos, Treating. J. A. Heany. No. 1,407,686; Feb. 21.
- Attaching device. R. S. Peirce. No. 1,407,570; Feb. 21.
- Automobile bumper and wheel fender. F. Coletta. No. 1,407,637; Feb. 21.
- Automobile design and construction. E. T. Turner. No. 1,407,048; Feb. 21.
- Automobile power industrially, Means for using. R. F. Bosard. No. 1,407,513; Feb. 21.
- Automobile seat, Auxiliary. S. A. Gray. No. 1,407,408; Feb. 21.
- Automobile-top fastener. W. H. Bennett. No. 1,407,118; Feb. 21.
- Automobile wheels, Chock for. B. E. Skiles. No. 1,407,338; Feb. 21.
- Automobile bumpers or fenders, Universal bracket for. G. S. MacLeod. No. 1,407,431; Feb. 21.
- Automobiles, Attachment for. E. R. Clark. No. 1,407,187; Feb. 21.
- Automobiles, Attachment for running boards of. G. S. Bowes. No. 1,407,514; Feb. 21.
- Automobiles, Emergency repair hub for. H. N. Rook and F. M. Payn. No. 1,407,675; Feb. 21.
- Automobiles, Step construction for. J. Churchward. No. 1,407,517; Feb. 21.
- Auto Signal. M. O. Smith and E. A. Mahannah. No. 1,407,444; Feb. 21.
- Bag: See—
- Hand bag.
- Bag, Doll. C. H. Pajean. No. 1,407,165; Feb. 21.
- Bag, Hand. H. Wiener. No. 1,407,310; Feb. 21.
- Bait for flytraps. J. W. Skelton. No. 1,407,092; Feb. 21.
- Balloons and dirigible airships, Fabric used in the manufacture of. A. Johnston. No. 1,407,197; Feb. 21.
- Bandage cutter. G. E. Halcumb. No. 1,407,151; Feb. 21.
- Band-saw-brazing clamp. W. C. Cormack. No. 1,407,188; Feb. 21.
- Banjo. A. L. Williams. No. 1,407,108; Feb. 21.
- Barrel, Collapsible. P. Schepp and J. Flack. No. 1,407,487; Feb. 21.
- Bath device. A. F. Heine. No. 1,407,030; Feb. 21.
- Battery: See—
- Electric battery. Primary battery.
- Bed, Invalid. W. R. Brown. No. 1,407,631; Feb. 21.
- Belt or chain, Driving. J. H. Smith. R. H. Brand, and T. G. Leith. No. 1,407,598; Feb. 21.
- Bit-dressing machine. F. M. Lee. No. 1,407,286; Feb. 21.
- Bit-holding tool. G. A. Montgomery. No. 1,407,292; Feb. 21.
- Blank-locating devices. A. Novick. No. 1,407,565; Feb. 21.
- Board: See—
- Plaster board. Sign board.
- Boats, System for indicating the speed of. F. B. Sanborn. No. 1,407,172; Feb. 21.
- Boiler: See—
- Steam boiler.
- Boiler, Steam. H. O. Prater. No. 1,407,217; Feb. 21.
- Bolters, Flexible conduit for. C. E. Miner. No. 1,407,211; Feb. 21.
- Book cover, Detachable. W. W. Dismukes. No. 1,407,052; Feb. 21.
- Booth, Folding. C. J. de la Fontaine. No. 1,407,260; Feb. 21.
- Booth, Varnish. B. D. Wolf. No. 1,407,011; Feb. 21.
- Boring machine. W. J. Hempy. No. 1,407,031; Feb. 21.
- Bottle carrier. H. W. Probst. No. 1,407,480; Feb. 21.
- Bottle holder, Nursing-. W. H. Saunders. No. 1,407,681; Feb. 21.
- Bottle, Milk. W. J. Davis. No. 1,406,983; Feb. 21.
- Bottles, Carrier for. H. A. Bloomquist. No. 1,407,630; Feb. 21.
- Bottles, Device for holding milk. J. C. Martin. No. 1,407,432; Feb. 21.
- Box: See—
- Carburizing box. Window cooling box.
- Cardboard display box.
- Boxes, Machine for making. L. E. La Bombard. No. 1,407,331; Feb. 21.
- Brace: See—
- Adjustable rail brace.
- Bracket: See—
- Bumper bracket.
- Bracket. T. F. Byron. No. 1,407,251; Feb. 21.
- Brake: See—
- Automatic wagon brake. Electric brake.
- Brake shoes, Automatic adjustment for. H. C. Berry and G. Applegate. No. 1,407,628; Feb. 21.
- Briquettes, Composition for making. H. John. No. 1,407,279; Feb. 21.
- Broom holder. J. Geese. No. 1,407,025; Feb. 21.
- Brush. W. G. Roepke. No. 1,407,674; Feb. 21.
- Brush or mop holder. M. Veeck. No. 1,407,341; Feb. 21.
- Buckle. C. E. Bradshaw. No. 1,406,971; Feb. 21.
- Buckle, Belt. I. Benjamins. No. 1,407,185; Feb. 21.
- Building construction. C. Burnett. No. 1,407,250; Feb. 21.
- Building material. W. Wawrzyniak. No. 1,407,608; Feb. 21.
- Building, Portable. P. Fasson. No. 1,407,462; Feb. 21.
- Bumper bracket. W. P. Limacher. No. 1,407,350; Feb. 21.
- Bundle tier. F. Radechovsky. No. 1,407,481; Feb. 21.
- Burner: See—
- Hydrocarbon burner. Powdered-coal burner.
- Burners, Fuel regulator for gas. C. Stichler. No. 1,407,098; Feb. 21.
- Button, Marking. H. V. Rau. No. 1,407,085; Feb. 21.
- Button-mold machine and dies. C. W. Scott. No. 1,407,089; Feb. 21.
- Buttons on cards, Machine for mounting press. H. Prym. No. 1,407,576; Feb. 21.
- Cabinet, Card-index. A. L. Jaynes. No. 1,407,656; Feb. 21.
- Cable clamp. C. W. and J. T. Kemper. (Reissue.) No. 15,290; Feb. 21.
- Cable coupling. J. W. H. Blee and A. P. Powell. No. 1,407,370; Feb. 21.
- Cableway carriage. D. Lawson. No. 1,406,987; Feb. 21.
- Calculator and recorder, Horse-power. J. N. G. Nesbit. No. 1,407,352; Feb. 21.
- Calculating instrument. C. F. Eaton, Jr. No. 1,407,134; Feb. 21.
- Camera. C. E. Carter. No. 1,406,973; Feb. 21.
- Camera, Motion-picture. M. F. and L. D. Hill. No. 1,407,535; Feb. 21.
- Can opener. M. and L. Ehrlich. No. 1,407,521; Feb. 21.
- Cans, Machine for refuelling. W. Mills and C. Percy. No. 1,407,076; Feb. 21.
- Cap, Bathing. A. Baldwin. No. 1,407,625; Feb. 21.
- Capping machine. H. E. Townsend. No. 1,407,448; Feb. 21.
- Car-axle boxes, Dust guard for. J. H. Sharp. No. 1,407,587; Feb. 21.
- Car bolster. E. A. Laughlin. No. 1,407,551; Feb. 21.
- Car couplings, Knuckle-guiding attachment for. J. H. Funk. No. 1,407,402; Feb. 21.

- Car, Compartment freight. A. H. Smith. Nos. 1,407,593-4; Feb. 21.
- Cardboard display box. J. F. Lyons. No. 1,407,073; Feb. 21.
- Car door. Freight-. J. L. Guerrant. No. 1,407,064; Feb. 21.
- Carburetor. E. G. Gilson. No. 1,407,024; Feb. 21.
- Carburetor. A. J. N. Hempel and O. A. E. Jacobsen. No. 1,407,155; Feb. 21.
- Carburetor heater. A. G. Koch and L. C. Flotow. No. 1,407,285; Feb. 21.
- Carburetor primer. J. W. Swan. No. 1,407,356; Feb. 21.
- Carburizing box. P. A. E. Armstrong. No. 1,407,456; Feb. 21.
- Cars, End-gate raiser for mine. Z. Grass. No. 1,407,329; Feb. 21.
- Cars, Pliers and locking lug for replacing transmission covers on Ford. L. Ullman. No. 1,407,362; Feb. 21.
- Carpet sweeper. C. H. Roth. No. 1,407,676; Feb. 21.
- Carrier: See—
Bottle carrier. Man pack carrier.
- Carriers, Automatic electric weight-measuring device for movable. H. J. Murray. No. 1,407,078; Feb. 21.
- Car step. Foldable or extensible. J. Q. Slye. No. 1,407,592; Feb. 21.
- Car truck. E. W. Webb. No. 1,407,452; Feb. 21.
- Case: See—
Vanity case.
- Casing and stand. C. G. Glover. No. 1,407,526; Feb. 21.
- Caster. A. H. Roth. No. 1,407,171; Feb. 21.
- Cell, Dry. H. R. Dam. No. 1,407,386; Feb. 21.
- Cementing composition. K. O. Dufva. No. 1,407,194; Feb. 21.
- Cement-post mold. N. J. Johnson. No. 1,407,196; Feb. 21.
- Charcoal, Treating. H. J. Haber. No. 1,407,531; Feb. 21.
- Chain link. M. B. Ryan. No. 1,407,043; Feb. 21.
- Change-speed mechanism. E. Desmoulins. No. 1,407,643; Feb. 21.
- Channel-opening machine. J. E. Jackson. No. 1,407,037; Feb. 21.
- Cheek, Bank. A. F. Collins. No. 1,407,256; Feb. 21.
- Cheeks and like instruments, Perforating device for protecting. A. F. Collins. No. 1,407,257; Feb. 21.
- Chuck, Collet. J. A. Olson. No. 1,407,213; Feb. 21.
- Chuck, Internal. J. Gasteiner. No. 1,407,145; Feb. 21.
- Circuit distributor. R. N. Griswold. No. 1,407,266; Feb. 21.
- Circuit, Repeater. J. F. Toomey. No. 1,407,604; Feb. 21.
- Cigarettes, Package for. P. R. Walters. No. 1,407,105; Feb. 21.
- Clamp: See—
Band-saw-brazing clamp. Hose clamp.
Cable clamp.
- Clamp, J. G. Gentile. No. 1,407,650; Feb. 21.
- Cleaner: See—
Windshield cleaner.
- Cleaning and scouring compound. T. W. Pritchard. No. 1,407,297; Feb. 21.
- Clip: See—
Pencil clip. Spring clip.
- Clothespin. E. West. No. 1,407,344; Feb. 21.
- Clutch. J. G. Bailey. No. 1,407,115; Feb. 21.
- Clutch. J. W. Crowley, Jr. No. 1,407,384; Feb. 21.
- Clutch, Plural-disk cushion. F. M. Melvin. No. 1,407,561; Feb. 21.
- Coal burner, Powdered-. H. J. Stehl. No. 1,407,600; Feb. 21.
- Coal-chute attachment. H. E. Downer. No. 1,407,391; Feb. 21.
- Coating machine, Confectionery-. A. L. Bausman. No. 1,407,116; Feb. 21.
- Coating metal articles. F. E. Johnson. No. 1,407,067; Feb. 21.
- Coin counting and wrapping device. A. Abbott. Nos. 1,406,958-9; Feb. 21.
- Coin indicating and checking mechanism. J. V. Horn. No. 1,407,541; Feb. 21.
- Coin stacker. P. F. Friesen. No. 1,407,140; Feb. 21.
- Collar. H. J. Vigneault. No. 1,407,342; Feb. 21.
- Combination lock. J. J. Haskin. No. 1,407,273; Feb. 21.
- Combing machine. T. Ross. No. 1,407,170; Feb. 21.
- Comb and cartridge therefor, Fountain. A. R. Spielberger. No. 1,407,230; Feb. 21.
- Comb, Stripping. M. J. Collins. No. 1,407,638; Feb. 21.
- Compressor. J. H. Denny. No. 1,407,518; Feb. 21.
- Compressor. R. C. Hilton. No. 1,407,275; Feb. 21.
- Concrete-column cap. S. H. Ingberg. No. 1,407,277; Feb. 21.
- Concrete form. W. J. Pedersen. No. 1,407,569; Feb. 21.
- Concrete partition. F. Lichtenberg and M. McCarthy. No. 1,406,989; Feb. 21.
- Concrete mold. C. F. Bond. No. 1,407,246; Feb. 21.
- Condenser. R. N. Ehrhart. No. 1,407,137; Feb. 21.
- Container, Lading. A. H. Smith. No. 1,407,595; Feb. 21.
- Conveying system for the transport of materials, Overhead. J. P. Roe. No. 1,407,673; Feb. 21.
- Conveyor, Brick. J. Siewiorek. No. 1,407,173; Feb. 21.
- Cooler: See—
Automatic dispensing water cooler.
- Cooling table. M. Rosenkranz. No. 1,407,169; Feb. 21.
- Copper, Extraction and recovery of. N. V. Hybinette. No. 1,407,420; Feb. 21.
- Corn-husking machine. A. A. Fuhlrott. No. 1,407,057; Feb. 21.
- Corset measurer. B. C. Smith. No. 1,407,228; Feb. 21.
- Cotton chopper and cultivator, Combined. G. Whitaker. No. 1,407,240; Feb. 21.
- Cotton-cleaning apparatus. F. B. Williams, B. F. Adams. No. 1,407,504; Feb. 21.
- Cotton-preparing machinery. A. S. Thomas. No. 1,407,500; Feb. 21.
- Counterbore. J. C. Glenzer. No. 1,407,328; Feb. 21.
- Coupling: See—
Automatic train-pipe coupling. Cable coupling.
- Coupling for sucker rods. W. D. Giles. No. 1,407,327; Feb. 21.
- Coupon books and ice picks, Combined holder for. R. H. Garbe. No. 1,407,464; Feb. 21.
- Coupon book, Identification. E. H. Sanders. No. 1,407,443; Feb. 21.
- Crane, Hoist. J. Sommer. No. 1,407,005; Feb. 21.
- Crate-head-making machine. G. D. Parker. No. 1,407,295; Feb. 21.
- Crushing machines, Retarder, feeder for. J. L. Hiller. No. 1,407,330; Feb. 21.
- Crutch. A. B. Louison. No. 1,407,553; Feb. 21.
- Cue. R. F. Bolam. No. 1,407,512; Feb. 21.
- Cultivator. A. L. Elledge. No. 1,407,647; Feb. 21.
- Cup: See—
Forced-feed oil cup.
- Current collector. J. L. Whittaker. No. 1,407,010; Feb. 21.
- Curtain. J. C. Brown. No. 1,407,248; Feb. 21.
- Cutter: See—
Bandage cutter. Twine cutter.
Rolling cutter.
- Cutter, C. G. Huelves. No. 1,407,417; Feb. 21.
- Cutter, Rotary head. A. B. Fowler. No. 1,407,021; Feb. 21.
- Damper, Fireplace. S. F. Myers. No. 1,407,351; Feb. 21.
- Dashpot. W. F. Bouché. No. 1,407,320; Feb. 21.
- Decorated article. A. N. Epstein. No. 1,407,461; Feb. 21.
- Detergent. O. M. Weigle. No. 1,407,502; Feb. 21.
- Detonators, Composition for. R. M. Cook and B. Grotta. No. 1,406,977; Feb. 21.
- Diastock and tap wrench. J. H. Fullmer. No. 1,407,058; Feb. 21.
- Die, Water-cooled. G. H. Davis and C. T. Bowman. No. 1,407,130; Feb. 21.
- Distilling substances, Apparatus for. W. M. Duncan. No. 1,407,018; Feb. 21.
- Distilling apparatus, Fractional-. E. A. R. Chenard. No. 1,407,380; Feb. 21.
- Distillation, Destructive. W. M. Duncan. No. 1,407,017; Feb. 21.
- Doll. K. M. Hansen. No. 1,407,270; Feb. 21.
- Doll support. B. H. Scottford. No. 1,407,584; Feb. 21.
- Door, Drop. C. E. Thomas. No. 1,407,359; Feb. 21.
- Door, Fire. J. G. Robinson. No. 1,407,222; Feb. 21.
- Door latch. L. C. and F. S. Emerson. No. 1,407,395; Feb. 21.
- Drawing and spinning apparatus. B. McGinnis. No. 1,407,555; Feb. 21.
- Drill. O. F. Heer. No. 1,407,348; Feb. 21.
- Drilling machine. H. R. Geer. No. 1,407,059; Feb. 21.
- Drills, Air-feed control for rock. F. M. Slater. No. 1,407,591; Feb. 21.
- Drills, Automatic air-feed control for rock. H. I. Stage. No. 1,407,599; Feb. 21.
- Drills, Front-end construction for rotating rock. F. M. Slater. No. 1,407,589; Feb. 21.
- Drills, Throttle valve for rock. F. M. Slater. No. 1,407,590; Feb. 21.
- Driving mechanism. L. S. Heth and F. C. Palmerlee. No. 1,407,032; Feb. 21.
- Drying machine, Textile-. B. A. Parkes. No. 1,407,081; Feb. 21.
- Duplicating machine, Rotary. G. A. W. Rushworth. No. 1,407,087; Feb. 21.
- Dyeing, Apparatus for. W. H. Davis. No. 1,407,387; Feb. 21.
- Dyeing machine. W. J. Going. No. 1,407,265; Feb. 21.
- Easel for florists' use. C. Smith. No. 1,407,490; Feb. 21.
- Egg candling and handling device. W. Davis. No. 1,407,191; Feb. 21.
- Egg separator. S. E. Braddock. No. 1,407,371; Feb. 21.
- Electric battery. A. K. Huntley. No. 1,407,035; Feb. 21.
- Electric brake. A. W. McAuly. No. 1,407,207; Feb. 21.
- Electric-fixture fitting and making same. D. Goldich. No. 1,407,527; Feb. 21.
- Electric installation, Conduit cap for. W. H. Vibber. No. 1,407,307; Feb. 21.
- Electric installation, Swivel conduit cap for. W. H. Vibber. No. 1,407,308; Feb. 21.
- Electric iron fitted with a current indicator. G. H. Lofts. No. 1,407,430; Feb. 21.
- Electric motor. V. G. Apple. No. 1,407,508; Feb. 21.
- Electric tools, Portable. F. J. Backscheider. No. 1,407,622; Feb. 21.
- Electric switch. J. S. Timmons. No. 1,407,603; Feb. 21.
- Electric-wave-ranging system. J. B. Morrill. No. 1,406,996; Feb. 21.
- Electrical appliances, Mounting for. B. S. Lee. No. 1,406,988; Feb. 21.
- Electrical conductors, Strain clamp for. B. A. Plimpton. No. 1,407,477; Feb. 21.

- Electrical switch. B. D. Horton. No. 1,407,416; Feb. 21.
 Electrolysis, Apparatus for. E. A. Allen. No. 1,407,313; Feb. 21.
 Elevator. *See—*
 Pipe elevator.
 Elevators, Self closing and opening gate for. A. R. Filgor. No. 1,407,138; Feb. 21.
 Embossing machine. C. E. Steere. No. 1,407,492; Feb. 21.
 Engine. *See—*
 Four-cycle internal-combustion engine. Rotary engine.
 Internal-combustion engine. Two-cycle internal-combustion engine.
 Engine-starting means, Automobile. S. B. McHenry. No. 1,407,556; Feb. 21.
 Engines, Auxiliary air-inlet device for explosion. W. E. Stephens and J. Hoelzel. No. 1,407,494; Feb. 21.
 Engines, Fuel-feeding device for internal-combustion. N. Lombard. No. 1,407,204; Feb. 21.
 Engines, Rotary valve for internal-combustion. J. Keller. No. 1,406,986; Feb. 21.
 Engines, Valve for gas. H. H. Crawford. No. 1,406,979; Feb. 21.
 Envelope-making machine. H. F. Marston. No. 1,407,206; Feb. 21.
 Envelope, Safety. E. F. Nissen. No. 1,407,212; Feb. 21.
 Etching rolls to mutually register. C. W. Saalburg. No. 1,407,302; Feb. 21.
 Etchings, Making grain. C. W. Saalburg. No. 1,407,303; Feb. 21.
 Eyeglass. J. M. van Heusen. No. 1,407,450; Feb. 21.
 Fan. A. Z. Seror. No. 1,407,488; Feb. 21.
 Fastening-inserting machine. F. Ricks and A. A. Aston. No. 1,407,000; Feb. 21.
 Feed oil cup, Forced-. W. H. Roberts. No. 1,407,086; Feb. 21.
 Ferrule, Interchangeable tool-holder. A. McCallum. No. 1,407,668; Feb. 21.
 Fiber-treating machine. H. H. Waller. No. 1,407,364; Feb. 21.
 Film-drying nozzle. R. C. Hubbard. No. 1,407,543; Feb. 21.
 Filing mechanism, Saw-. J. Reif. No. 1,407,168; Feb. 21.
 Film reels, Signal attachment for. N. Power. No. 1,407,083; Feb. 21.
 Firearms, Box magazine for. F. F. Burton. No. 1,407,633; Feb. 21.
 Fishing-line reel. W. E. Hodges and C. F. Larzelere. No. 1,407,537; Feb. 21.
 Fish-stringing device. W. F. C. Reimers. No. 1,407,221; Feb. 21.
 Flash lights, Circuit controller for. B. Benedict. No. 1,406,964; Feb. 21.
 Flooring construction. W. E. Ruthrauff. No. 1,407,679; Feb. 21.
 Fluids, Device for measuring or controlling the velocity of flowing. B. Graemiger. No. 1,407,060; Feb. 21.
 Flying machine. N. F. Overturf. No. 1,407,079; Feb. 21.
 Flying machine. J. Papiez. No. 1,407,437; Feb. 21.
 Flying machines, Stabilization of. H. Junkers. No. 1,407,425; Feb. 21.
 Flywheel. V. W. Pagé. No. 1,407,568; Feb. 21.
 Food products and producing same, Preservative water-proof and moldproof compound for wrapped. C. G. Ferrari. No. 1,407,400; Feb. 21.
 Forming machine. C. G. Grotnes. No. 1,407,148; Feb. 21.
 Frame. *See—*
 Foldable sunshade frame. Window frame.
 Frames, Apparatus for wiring. S. J. Morrison. No. 1,407,435; Feb. 21.
 Freight, express, etc., Handling. A. H. Smith. No. 1,407,596; Feb. 21.
 Frustrater, Holdup. J. F. Fenton. No. 1,407,399; Feb. 21.
 Fruit and vegetable case, Ventilated. J. J. Willenborg. No. 1,407,107; Feb. 21.
 Fruit and vegetables, Machine for washing and polishing. F. L. Webster. No. 1,407,501; Feb. 21.
 Fruit-pitting machine. R. Fourchy. No. 1,407,524; Feb. 21.
 Fuel and making same, Solid. N. C. Tomassi and H. Dannecl. No. 1,407,101; Feb. 21.
 Fuel-burning apparatus, Liquid-. W. N. Best. No. 1,407,511; Feb. 21.
 Fuel, Manufacture of motor. C. M. Alexander. No. 1,407,619; Feb. 21.
 Fuel pressure-feed system. L. R. Buckendale. No. 1,407,374; Feb. 21.
 Fuel-regulating system. R. H. Irving. No. 1,407,422; Feb. 21.
 Furniture. A. G. Girard. No. 1,407,405; Feb. 21.
 Furniture, Camping. C. R. Fetterman. No. 1,407,463; Feb. 21.
 Furniture, Expansion device for. H. E. Schneider. No. 1,407,582; Feb. 21.
 Furnace. *See—*
 Kiln furnace.
 Furnaces, Adjustable-air-shutter construction for. L. Budd. No. 1,407,516; Feb. 21.
 Fuse head and manufacturing same, Electrical. C. C. Jessen. No. 1,407,157; Feb. 21.
 Fuse plug, Refillable. E. H. Baxter. No. 1,407,117; Feb. 21.
 Game. J. W. Hall. No. 1,407,027; Feb. 21.
 Game. H. B. Rose. No. 1,407,223; Feb. 21.
 Game, Basket-ball. H. L. Post. No. 1,407,215; Feb. 21.
 Garment. E. Borgenicht. No. 1,407,319; Feb. 21.
 Garter. R. A. Moore. No. 1,406,995; Feb. 21.
 Gas and air mixer. W. H. Cain. No. 1,407,346; Feb. 21.
 Gases, Apparatus for electrical precipitation of suspended particles from. G. A. Witte. No. 1,407,311; Feb. 21.
 Gases, Production of hydrogen sulfide from sulphurous. W. J. Browning. No. 1,407,323; Feb. 21.
 Gasket, Vaporizing. J. H. Baker. No. 1,407,113; Feb. 21.
 Gas mixer. C. A. Peterson. No. 1,407,476; Feb. 21.
 Gasoline, Apparatus for cracking mineral oil to produce. B. Van Steenberg. No. 1,407,339; Feb. 21.
 Gasoline, Treating mineral oil for the production of. B. Van Steenberg. No. 1,407,340; Feb. 21.
 Gate and post construction. A. N. Griffin. No. 1,407,062; Feb. 21.
 Gates, Means for operating elevator. G. P. A. P. J. Drolet. No. 1,407,392; Feb. 21.
 Gauge. *See—*
 Oil gauge. Self-acting gauge.
 Rain gauge.
 Gauge, Self-acting. R. Dédet. No. 1,407,388; Feb. 21.
 Gear and screw cutting mechanism. J. P. Johnson. No. 1,406,985; Feb. 21.
 Gear-shift-locking mechanism. A. V. E. S. Berry. No. 1,407,458; Feb. 21.
 Gelatin, Manufacturing sheets of. R. A. McQuitty. No. 1,407,075; Feb. 21.
 Glass holder, Water-gauge-. T. L. Berkeley. No. 1,407,627; Feb. 21.
 Glass-plate manufacture. A. A. Icenhour. No. 1,407,036; Feb. 21.
 Golf apparatus. E. E. Winkley. No. 1,407,109; Feb. 21.
 Governor. L. O. Christmann. No. 1,407,126; Feb. 21.
 Governor, Centrifugal. H. S. Hasselquist. No. 1,407,413; Feb. 21.
 Grain, Apparatus for unloading. C. Bentham. No. 1,407,510; Feb. 21.
 Graining tool. F. A. Gstalder. No. 1,407,150; Feb. 21.
 Gramophone. G. Yamanouchi. No. 1,407,111; Feb. 21.
 Grinder, Tool. E. E. Anthony. No. 1,407,455; Feb. 21.
 Guard, Safety. W. Kuehnle. No. 1,407,208; Feb. 21.
 Guns, Tripod for machine. J. F. O'Malley. No. 1,407,567; Feb. 21.
 Hame fastener. S. C. Stimson. No. 1,407,495; Feb. 21.
 Handle. S. W. Parsons. No. 1,407,167; Feb. 21.
 Hanger. *See—*
 Radiator hanger.
 Harvester, Salt. C. A. Cunningham. A. Christensen, and F. W. Bartlett. No. 1,407,189; Feb. 21.
 Hay distributor. P. C. Philip. No. 1,407,571; Feb. 21.
 Hay sling take up. T. L. Glazebrook. No. 1,407,406; Feb. 21.
 Hayrake. W. Kouns. No. 1,407,663; Feb. 21.
 Headlight. J. M. Hunt. No. 1,407,544; Feb. 21.
 Heater. *See—*
 Electric water heater. Water heater.
 Forced hot-air heater.
 Heel-attaching machine. T. Lund. No. 1,406,990; Feb. 21.
 Heel-building machine. E. E. Winkley. No. 1,407,182; Feb. 21.
 Heel, Cushion. G. J. Winter. No. 1,407,506; Feb. 21.
 Heel-making machine. R. C. Simmons. No. 1,407,337; Feb. 21.
 Hoisting and weighing mechanism. A. S. Samuels. No. 1,407,224; Feb. 21.
 Honey, Apparatus for producing sticks of comb. G. W. Babcock. No. 1,407,244; Feb. 21.
 Hook and eye. H. V. Rau. No. 1,407,482; Feb. 21.
 Horseshoe pad. H. S. Caryl. No. 1,407,379; Feb. 21.
 Hose clamp. H. A. Schroeder. No. 1,407,583; Feb. 21.
 Hose, Manufacture of flexible metal. E. Schröder. No. 1,407,001; Feb. 21.
 Hose supporter. W. J. Kelly. No. 1,407,200; Feb. 21.
 Hose supporter. I. N. Pollinger. No. 1,407,082; Feb. 21.
 Hot-air heater, Forced-. H. Harlow. No. 1,407,411; Feb. 21.
 Hub attachment. L. W. Hensley. No. 1,407,533; Feb. 21.
 Hydraulic apparatus, Tandem steam. E. N. Gilling. No. 1,407,146; Feb. 21.
 Hydrocarbon burner. J. R. Karr and C. L. Sheppard. No. 1,407,283; Feb. 21.
 Ice-cream freezer. E. Thompson. No. 1,407,044; Feb. 21.
 Ice-marking machine. R. M. Penning. No. 1,406,999; Feb. 21.
 Ice pan. M. A. Wicks. No. 1,407,614; Feb. 21.
 Ignition-control apparatus. A. A. Kent. No. 1,407,284; Feb. 21.
 Ignition-control apparatus. A. A. Kent. No. 1,407,466; Feb. 21.
 Ignition magneto. J. R. Stark. No. 1,407,099; Feb. 21.
 Illustration. R. M. Sutphen. No. 1,407,498; Feb. 21.
 Incubator. A. T. Pope. No. 1,407,671; Feb. 21.
 Indicator. *See—*
 Oil-level indicator. Vending-machine indicator.
 Turn indicator.
 Inserting, folding, and wrapping machine. W. P. Dun Lany. No. 1,407,646; Feb. 21.
 Insulation testing, Method of and apparatus for. C. L. Kasson and T. H. Haines. No. 1,407,069; Feb. 21.

- Internal-combustion engine. H. A. Douglas. No. 1,407,519; Feb. 21.
- Internal-combustion engine. C. M. Leech. No. 1,407,468; Feb. 21.
- Internal-combustion engine. H. J. Sallee. No. 1,407,336; Feb. 21.
- Internal-combustion engine. Two-cycle. H. R. Setz. No. 1,407,585; Feb. 21.
- Internal-combustion engine. Four-cycle. W. L. Webb and K. I. Crossley. No. 1,407,453; Feb. 21.
- Internal-combustion motor. W. J. Dunn. No. 1,407,393; Feb. 21.
- Intersection-operating system. S. E. McFarland. No. 1,407,209; Feb. 21.
- Jack: *See*—
- Well-drill jack.
- Jar opener, Fruit-. J. H. Burck. No. 1,407,632; Feb. 21.
- Jars, Sealing device for. B. E. Taylor. No. 1,407,008; Feb. 21.
- Joint: *See*—
- Pipe and tool joint. Universal joint.
- Joint, Universal. W. M. Ziegler. No. 1,407,617; Feb. 21.
- Kettle. J. A. Samuels. No. 1,407,088; Feb. 21.
- Kiln, Continuous. W. G. de Steigner. No. 1,407,192; Feb. 21.
- Kiln furnace. F. M. Marris. No. 1,407,288; Feb. 21.
- Kitchenette, Portable. J. H. Johnson. No. 1,407,158; Feb. 21.
- Knitted fabric. F. P. Walter. No. 1,407,343; Feb. 21.
- Knitting machines, Needle-pressing means for. K. Howie. No. 1,407,684; Feb. 21.
- Ladder. F. J. Bryant. No. 1,406,972; Feb. 21.
- Lamp, Acetylene. W. J. Frisbie. No. 1,407,141; Feb. 21.
- Lamp fitting. E. T. R. Murray. No. 1,407,473; Feb. 21.
- Last. L. B. Whipple. No. 1,407,050; Feb. 21.
- Lathe tool, Portable. C. A. de Giers. No. 1,407,015; Feb. 21.
- Lathe or milling-machine attachment. E. S. Bradford. No. 1,407,515; Feb. 21.
- Lathes, Attachment for. T. E. Brown and J. N. Etheredge. No. 1,407,249; Feb. 21.
- Lathes, Tool-grinding attachment for. M. G. Husted. No. 1,407,419; Feb. 21.
- Leather, Preparation for treating. R. E. Tommerson. No. 1,407,449; Feb. 21.
- Leg, Artificial. A. Beurdeley. No. 1,407,369; Feb. 21.
- Lens, Bifocal. H. J. Stead. No. 1,407,176; Feb. 21.
- Lens, Lantern. A. J. Kloneck. No. 1,407,427; Feb. 21.
- Lifter: *See*—
- Record lifter.
- Lighting and ignition switch, Combination. W. Kaisling. (Reissue.) No. 1,5289; Feb. 21.
- Lighting fixture, Electric candle. W. R. Kahns. No. 1,407,465; Feb. 21.
- Lightning arrester. G. F. Gray. No. 1,407,061; Feb. 21.
- Liquids, Apparatus for evaporating. P. Müller. No. 1,406,997; Feb. 21.
- Liquid-treating apparatus. L. B. Tanner. No. 1,407,499; Feb. 21.
- Lithograph rolls, Process and apparatus for covering. J. A. Ny. No. 1,407,163; Feb. 21.
- Lock: *See*—
- Combination lock.
- Lock, M. Hackländer. No. 1,407,269; Feb. 21.
- Lock, D. Hoffman and F. Easton. No. 1,407,538; Feb. 21.
- Lock, H. J. Young. No. 1,407,312; Feb. 21.
- Locks, Reinforced ring for pin-tumbler. M. C. Maxwell. No. 1,407,472; Feb. 21.
- Locking device. C. F. Dotts. No. 1,407,326; Feb. 21.
- Locomotive condenser. F. Ljungström and I. Broberg. No. 1,407,072; Feb. 21.
- Loom, File-fabric. M. R. Birmingham. No. 1,407,121; Feb. 21.
- Looms, Weft-replenishing mechanism for. S. S. Jackson. No. 1,407,423; Feb. 21.
- Luminous composition. F. N. Hering. No. 1,407,534; Feb. 21.
- Magnetic material, Apparatus for moving articles of. D. J. Angus. No. 1,406,963; Feb. 21.
- Magneto. A. H. Hyndman. No. 1,407,421; Feb. 21.
- Man pack carrier. J. E. McNary. No. 1,407,290; Feb. 21.
- Materials, Apparatus for handling. E. H. McConnell. No. 1,407,333; Feb. 21.
- Measuring device, Scrip-. H. F. White. No. 1,407,106; Feb. 21.
- Mechanical movement. J. C. Stone. No. 1,407,233; Feb. 21.
- Metal, Reinforcing thin. E. M. Atkinson. No. 1,407,366; Feb. 21.
- Metals, Extraction of. W. J. Browning. No. 1,407,324; Feb. 21.
- Metals, Furnace for locally heating. R. Harvey and A. Holmes. No. 1,407,412; Feb. 21.
- Metallic fencepost. C. Holsinger. No. 1,407,540; Feb. 21.
- Milk-handling machinery. W. J. Davis. No. 1,407,014; Feb. 21.
- Milking-machine system. J. L. Hulbert. No. 1,407,034; Feb. 21.
- Mill: *See*—
- Rolling mill.
- Mill, Rolling. W. H. Melaney. No. 1,407,334; Feb. 21.
- Milling or grinding machines, Attachment for. A. C. P. Russen. No. 1,407,485; Feb. 21.
- Mine and controlling same, Floating. J. H. Hammond, Jr. No. 1,407,653; Feb. 21.
- Mining apparatus. C. W. Wyman. No. 1,407,120; Feb. 21.
- Mining apparatus, Electric. H. C. Berkey. No. 1,407,119; Feb. 21.
- Mirror adjuster. E. F. Grunewald. No. 1,407,149; Feb. 21.
- Mirrors, pictures, signs, etc., Mountings for. N. M. Stone. No. 1,407,177; Feb. 21.
- Mixer: *See*—
- Gas mixer. Gas and air mixer.
- Mixing machines, Journal box for. C. L. Brown. No. 1,407,186; Feb. 21.
- Mold: *See*—
- Cement-post mold. Concrete mold.
- Mold, Combination. A. L. Schavoir. No. 1,407,682; Feb. 21.
- Molding machine. R. D. Eaglesfield. No. 1,407,520; Feb. 21.
- Molding press, Sole-. J. W. Cosgrove. No. 1,407,128; Feb. 21.
- Mop. A. E. Bienstock. No. 1,406,966; Feb. 21.
- Mop holder. C. E. Burke. No. 1,407,123; Feb. 21.
- Motor: *See*—
- Electric motor. Internal-combustion motor.
- Motor-cycle spring structure. M. L. Previtali. No. 1,407,218; Feb. 21.
- Motor, pump, or meter, Rotary engine adaptable as. J. R. Kemp. No. 1,407,426; Feb. 21.
- Motor, pump, or meter, Rotary engine adaptable as. J. R. Kemp. No. 1,407,659; Feb. 21.
- Music, Educational game for teaching. M. J. Allen. No. 1,406,960; Feb. 21.
- Nail. J. A. Cross. No. 1,407,641; Feb. 21.
- Napkin-dispensing device. J. D. Ingram. No. 1,407,156; Feb. 21.
- Needle, Embroidery. F. H. Webster. No. 1,407,609; Feb. 21.
- Nut-cracking machine. F. A. Coari. No. 1,407,325; Feb. 21.
- Nut-locking tool. A. Homann. No. 1,407,276; Feb. 21.
- Nuts, Decutchable safety collar for rotatable. D. C. Klausmeyer. No. 1,407,160; Feb. 21.
- Oil, and making same, Paint. F. A. Levenhagen and J. W. Evans. No. 1,407,469; Feb. 21.
- Oil can. E. Johanson. No. 1,407,657; Feb. 21.
- Oil gauge. A. B. Rasmussen. No. 1,407,220; Feb. 21.
- Oil-level indicator. H. G. Muellerweiss and B. E. Braun. No. 1,407,670; Feb. 21.
- Oil-well casings, Automatic outlet valve for. C. Moore. No. 1,407,562; Feb. 21.
- Open-hearth furnace. W. H. Sommer. No. 1,407,004; Feb. 21.
- Ore, Method and apparatus for separating. R. V. Smith. No. 1,407,229; Feb. 21.
- Ore separator. A. H. Connors. No. 1,407,258; Feb. 21.
- Ores, containing oxides of copper, Treatment of. E. B. Thornhill. No. 1,407,045; Feb. 21.
- Ores, Reduction of. W. E. F. Bradley. No. 1,407,372; Feb. 21.
- Oxygen, Controlling apparatus for delivering. T. C. Prouty. No. 1,407,575; Feb. 21.
- Pad: *See*—
- Horseshoe pad.
- Padlock. M. Hackländer. No. 1,407,267; Feb. 21.
- Pail, Mop-wringer. C. E. Burke and G. R. Beckwith. No. 1,407,122; Feb. 21.
- Pails, receptacles, etc., Forming fibrous pulp. A. W. Handford. No. 1,407,409; Feb. 21.
- Paint, Composition for. H. C. Kishpaugh. No. 1,407,662; Feb. 21.
- Pan: *See*—
- Baking pan. Ice pan.
- Pan, Baking. A. De Gregory. No. 1,407,181; Feb. 21.
- Pan greaser. S. C. Viden. No. 1,407,102; Feb. 21.
- Paper bucket. B. I. Rike. No. 1,407,483; Feb. 21.
- Paper disk separating and feeding device. G. W. Blankenhorn. No. 1,407,318; Feb. 21.
- Paper-feeding mechanism. L. Jensen. No. 1,407,424; Feb. 21.
- Paper, Finishing. G. W. Wheaton. No. 1,407,611; Feb. 21.
- Paper-lining machine. G. W. Blankenhorn and T. Castberg. No. 1,407,317; Feb. 21.
- Paper machine. F. A. Headson. No. 1,407,154; Feb. 21.
- Paper making, Feltless wet machine for. H. R. Farnsworth. No. 1,407,398; Feb. 21.
- Paper, Method and means for coloring. E. B. Brewster. No. 1,407,247; Feb. 21.
- Paper-ruling machines, Feed table and guide for. L. B. Bosworth. No. 1,406,969; Feb. 21.
- Pasteurizing holder. W. J. Davis. No. 1,406,982; Feb. 21.
- Pastry, Apparatus for baking. L. C. Sharp. No. 1,407,304; Feb. 21.
- Pen, Fountain. R. W. Lotz. No. 1,407,552; Feb. 21.
- Pencil clip. J. P. Nielsen. No. 1,407,474; Feb. 21.
- Pendant-setting mechanism. E. Staehli. No. 1,407,231; Feb. 21.
- Penholder. E. D. Nichols. No. 1,407,563; Feb. 21.
- Phonograph booth. H. J. Brown. No. 1,407,322; Feb. 21.
- Phonograph cabinet. M. Victorsohn. No. 1,407,309; Feb. 21.

- Phonograph reproducer. W. Whitten. No. 1,407,613; Feb. 21.
- Phonograph resonance box. A. O. Price. No. 1,407,574; Feb. 21.
- Phonographs, Repeat device for. F. A. Shaw. No. 1,407,090; Feb. 21.
- Phonographs, Repeating mechanism for. E. M. Kellogg. No. 1,407,547; Feb. 21.
- Photographic and cinematographic apparatus. G. G. B. Tartara. No. 1,407,357; Feb. 21.
- Photographs or other pictures, Combined case and easel for. A. Sussman. No. 1,407,497; Feb. 21.
- Photoprocess screen and preparing same. J. A. H. Hatt. No. 1,407,029; Feb. 21.
- Pianos, Foldable closure for. F. M. Stenterman. No. 1,407,007; Feb. 21.
- Picture machines, Safety device for motion-. J. E. Woodland. No. 1,407,616; Feb. 21.
- Pictures, Reproducing. C. W. Saalburg. No. 1,407,301; Feb. 21.
- Pile drivers, Bed sill for. H. R. Smith. No. 1,407,003; Feb. 21.
- Pipe. C. M. Mapes. No. 1,407,038; Feb. 21.
- Pipe and tool joint. C. B. and C. D. Reynolds. No. 1,407,335; Feb. 21.
- Pipe elevator. A. H. Thomas. No. 1,407,236; Feb. 21.
- Pipe-sawing apparatus. D. H. Pinkney. No. 1,407,439; Feb. 21.
- Pipe wrench. W. J. Twiss. No. 1,407,238; Feb. 21.
- Piston, Engine. J. Beuc. No. 1,407,629; Feb. 21.
- Piston, Engine. C. de Lukacsevic and E. Loffler. No. 1,407,667; Feb. 21.
- Piston rings, Cushion ring for expanding gas-engine. W. H. Thomson. No. 1,407,602; Feb. 21.
- Planing machine, Block-. J. A. Courville. No. 1,407,382; Feb. 21.
- Plant machine, Onion-. A. Durany. No. 1,407,133; Feb. 21.
- Plant marker. H. Zopff. No. 1,407,507; Feb. 21.
- Plants, Holder for growing. E. Kuebler and O. Niederberger. No. 1,407,664; Feb. 21.
- Planter and marker, Seed. W. L. Sprowl. No. 1,407,097; Feb. 21.
- Plaster board. C. R. Birdsey. No. 1,406,967; Feb. 21.
- Plastic articles, Method and machine for forming impressions in. J. Lapp. No. 1,407,550; Feb. 21.
- Platen presses, Paper-feed guide for. H. H. Strait. No. 1,407,100; Feb. 21.
- Platform, Lumber jack's. L. L. Gregg. No. 1,407,651; Feb. 21.
- Plow, Motor. V. Dutkiewicz and C. Isanibert. No. 1,407,394; Feb. 21.
- Plow, Rolling-drum. P. Gravert. No. 1,407,407; Feb. 21.
- Pocketknife. P. W. Hallvarson. No. 1,407,652; Feb. 21.
- Pole, Tent. V. M. Ebbs. No. 1,407,135; Feb. 21.
- Polishing composition. J. W. McCaughey. No. 1,407,074; Feb. 21.
- Post: See—
Metallic fencepost.
- Pot: See—
Dash pot.
- Power, Tide. F. Baehn. No. 1,407,623; Feb. 21.
- Power-transmission devices, Variable-speed-change mechanism of. K. M. Trowbridge. No. 1,407,047; Feb. 21.
- Press: See—
Sole-molding press.
- Press. W. Klocke. No. 1,407,161; Feb. 21.
- Press. S. B. Minnich. No. 1,407,162; Feb. 21.
- Presser wheel. F. F. Witkus. No. 1,407,183; Feb. 21.
- Primary battery. W. M. Shakespeare. No. 1,407,489; Feb. 21.
- Printing presses, Finger guard for. G. H. Dufour. No. 1,407,132; Feb. 21.
- Printing presses, Sheet-feeding mechanism for. C. P. Cottrell. No. 1,406,978; Feb. 21.
- Projectile, Capped armor-piercing. R. A. Hadfield, A. G. M. Jack, and A. B. H. Clerke. No. 1,407,532; Feb. 21.
- Projectiles, Heat treating and hardening. J. L. Cox. No. 1,407,255; Feb. 21.
- Projectiles, Making. J. L. Cox. No. 1,407,254; Feb. 21.
- Puller: See—
Weed puller.
- Pulley, Magnetic. J. P. Bethke and R. H. Stearns. No. 1,407,051; Feb. 21.
- Pump and packing same. R. W. Stephens. No. 1,407,493; Feb. 21.
- Pump, Rotary. F. F. Ambrose. No. 1,407,620; Feb. 21.
- Pump, Rotary piston. L. P. Storey. No. 1,407,496; Feb. 21.
- Pumps, Combined pressure and speed governor for steam-operated. A. Peterson. No. 1,407,041; Feb. 21.
- Punching tool. L. A. Foote. No. 1,407,056; Feb. 21.
- Rack. G. W. Wakeham. No. 1,407,607; Feb. 21.
- Radiator. A. V. Knoll. No. 1,407,428; Feb. 21.
- Radiator. R. J. McCredie. No. 1,407,554; Feb. 21.
- Radiator hanger. R. D. Evans. No. 1,407,263; Feb. 21.
- Radiator protector and air-control device. L. D. Potter. No. 1,407,216; Feb. 21.
- Radio receiving system. R. H. Marriott. No. 1,407,205; Feb. 21.
- Radio telegraphy and telephony, Receiving system for. F. K. Vreeland. No. 1,407,103; Feb. 21.
- Rail brace, Adjustable. J. L. Bell. No. 1,407,368; Feb. 21.
- Rails in place, Means for securing. G. Roussel. Nos. 1,407,677-8; Feb. 21.
- Rails, Insulated joint for railway. T. O'Brien. No. 1,407,566; Feb. 21.
- Railway switch. H. R. Rail. No. 1,407,219; Feb. 21.
- Railway tie and rail-fastening means therefor, Insulated. P. J. Dunn. No. 1,407,195; Feb. 21.
- Railway-track paving. A. T. Newell. No. 1,407,436; Feb. 21.
- Railway-traffic-controlling apparatus. R. A. McCann. No. 1,407,289; Feb. 21.
- Railway-traffic-controlling system. L. V. Lewis. No. 1,407,287; Feb. 21.
- Rain gauge. T. J. Johnson. No. 1,407,068; Feb. 21.
- Rake and tedder, Combined. R. R. Bowers. No. 1,406,970; Feb. 21.
- Ram, Power-operated. F. M. Castleman. No. 1,407,253; Feb. 21.
- Range and position finder. H. Just. No. 1,407,281; Feb. 21.
- Razor strop. W. J. F. Bailey. No. 1,407,190; Feb. 21.
- Reamer. S. A. Maxwell. No. 1,407,560; Feb. 21.
- Receptacle, Collapsible. C. I. Farley. No. 1,407,054; Feb. 21.
- Receptacles, envelopes, sheaths, or cases, Apparatus for inserting articles into open-ended. W. Rose. No. 1,407,581; Feb. 21.
- Record lifter. J. A. Clarke. No. 1,406,976; Feb. 21.
- Record sheet. W. W. Smythe, Jr. No. 1,407,095; Feb. 21.
- Recording autographic register. C. R. Buschmeyer. No. 1,407,376; Feb. 21.
- Rectifier. R. T. Walker. No. 1,407,363; Feb. 21.
- Reel: See—
Fishing-line reel.
- Register: See—
Recording autographic register.
- Reproducer. V. C. Holland. No. 1,407,539; Feb. 21.
- Rifle sight. D. C. McDougal. No. 1,407,208; Feb. 21.
- Rim. O. H. Jobski. No. 1,407,545; Feb. 21.
- Rim. W. G. Keys. No. 1,407,467; Feb. 21.
- Rims and tires, Holder for. D. G. Roos. No. 1,407,300; Feb. 21.
- Rod head, Connecting. L. Saives. No. 1,407,442; Feb. 21.
- Rolling cutter. G. W. Blankenhorn. No. 1,407,316; Feb. 21.
- Roof, Metallic. H. H. Crawford. No. 1,406,980; Feb. 21.
- Rotary drier. A. MacKay. No. 1,406,991; Feb. 21.
- Rotary engine. H. E. Smith. No. 1,407,094; Feb. 21.
- Rubber and other materials, Making rings for cutting. C. M. Logan. No. 1,407,470; Feb. 21.
- Scale. J. E. Burton. No. 1,407,634; Feb. 21.
- Scavenging port control. H. R. Setz. No. 1,407,586; Feb. 21.
- Scissors, shears, tweezers, Making. W. F. Concannon. No. 1,407,127; Feb. 21.
- Scraper. N. P. Slate. No. 1,407,683; Feb. 21.
- Seat: See—
Auxiliary automobile seat. Damper seat.
- Seat, Damper. E. A. McSpadden. No. 1,407,210; Feb. 21.
- Separator: See—
Egg separator. Ore separator.
- Septic tank. W. De Lhorbe. No. 1,407,389; Feb. 21.
- Sewing machine. G. M. Horton. No. 1,406,984; Feb. 21.
- Sewing machine, Differential feeding mechanism for. G. S. Gatchell. No. 1,407,023; Feb. 21.
- Sewing-machine-needle guard. J. G. Bailey. No. 1,407,114; Feb. 21.
- Sewing machines, Stop motion for. J. G. Bailey. No. 1,407,367; Feb. 21.
- Shade holder, Window-. C. T. Bailey and A. B. Wilson. No. 1,407,624; Feb. 21.
- Shade material, Apparatus for making painted window. J. P. Whitmore. No. 1,407,241; Feb. 21.
- Shafts, Flexible expansion coupling for rotary. W. Robertson. No. 1,407,299; Feb. 21.
- Shafts, Universal joint for coupling. C. M. Spangler. No. 1,407,445; Feb. 21.
- Sheet-cutting machine. C. E. Dellenbarger. No. 1,407,016; Feb. 21.
- Ship-centering device. R. N. Burbank. No. 1,407,375; Feb. 21.
- Shock absorber. J. O. Crank. No. 1,407,640; Feb. 21.
- Shoe. L. C. Kenton. No. 1,407,661; Feb. 21.
- Shoe-rack stabilizer. G. E. Turner. No. 1,407,181; Feb. 21.
- Shoe uppers, Mechanism for use in shaping. M. Brock. No. 1,407,321; Feb. 21.
- Shovel. A. Thompson and J. Atkinson. No. 1,407,237; Feb. 21.
- Shovel, Power track-ballast. J. Maxwell. No. 1,407,559; Feb. 21.
- Sieves or floors, Apparatus for making wire. P. Booth. No. 1,407,184; Feb. 21.
- Sifter. C. G. Thompson. No. 1,407,601; Feb. 21.
- Sign and number, Luminous. A. F. and R. A. Wirsching. No. 1,407,345; Feb. 21.
- Signal: See—
Auto signal. Vehicle signal.
- Signaling system. H. S. Osborne. No. 1,406,998; Feb. 21.
- Signboard. C. E. Knouff. No. 1,407,548; Feb. 21.
- Silk machines, Automatic regulator for artificial. G. Juer. No. 1,407,280; Feb. 21.
- Slabs of compressed cork, Manufacture of. E. Hornstein. No. 1,407,655; Feb. 21.

- Snap fasteners, Socket member for. G. R. Upham. No. 1,407,687; Feb. 21.
- Snowplow. R. E. McConley. No. 1,406,993; Feb. 21.
- Snowshoe. C. M. Drew. No. 1,407,645; Feb. 21.
- Sound reproducer. C. R. Shaw. No. 1,407,002; Feb. 21.
- Spark-producing mechanism. W. J. Frisbie. Nos. 1,407,142-3; Feb. 21.
- Spark-producing mechanism. C. J. Schmidt. No. 1,407,225; Feb. 21.
- Spindle. F. H. Chapman. No. 1,406,975; Feb. 21.
- Spring clip. W. T. R. Price. No. 1,407,479; Feb. 21.
- Spring wheel. G. C. Atkinson. No. 1,406,961; Feb. 21.
- Spring wheel. L. Mark and P. Bialy. No. 1,497,669; Feb. 21.
- Stand: See—
Casing and stand. Switch stand.
- Staple-setting device. K. C. Chamberlain. No. 1,406,974; Feb. 21.
- Starter, Impulse. K. H. Mörck. No. 1,407,077; Feb. 21.
- Steam trap. F. W. Wandless. No. 1,407,009; Feb. 21.
- Stereoplate-casting boxes, Device for holding matrices in. C. Winkler. No. 1,407,615; Feb. 21.
- Stool. A. Miller and C. C. Matthews. No. 1,407,433; Feb. 21.
- Stool, Reversible seat. D. Garst. No. 1,407,403; Feb. 21.
- Storage batteries, etc., Operating. J. L. Creveling. No. 1,407,383; Feb. 21.
- Stores, Lighting system for self-serving. C. Saunders. No. 1,407,680; Feb. 21.
- Strap-end-attaching device. Z. T. Miller. No. 1,407,291; Feb. 21.
- Street-cleaning machines, Gutter-cleaning attachment for. D. M. Todd. Nos. 1,407,180; Feb. 21.
- Sunshade frame, Foldable. B. B. Myers. No. 1,407,040; Feb. 21.
- Surface-treating tool. A. A. Clarke. No. 1,407,381; Feb. 21.
- Switch: See—
Electric switch. Railway switch.
Electrical switch. Thermostatic switch.
- Switch stand. F. C. Anderson. No. 1,407,454; Feb. 21.
- Table: See—
Cooling table.
- Table. W. F. Mason. No. 1,407,039; Feb. 21.
- Tablet, Wrist. H. W. Weiss. No. 1,407,239; Feb. 21.
- Talking machines, Tone-modulating device for. E. H. Fairbanks. No. 1,407,523; Feb. 21.
- Tank: See—
Septic tank.
- Tanks, Flash check for acetylene-gas. A. F. Westlund. No. 1,407,610; Feb. 21.
- Tapeline holder. C. Simmons. No. 1,407,429; Feb. 21.
- Tearing machine. C. H. Clift. No. 1,407,636; Feb. 21.
- Teeth, Making artificial. J. E. Rose. No. 1,407,484; Feb. 21.
- Telegraph system. P. M. Rainey. No. 1,407,042; Feb. 21.
- Telegraph transmitters. C. Phillips, Jr. No. 1,407,572; Feb. 21.
- Telephone apparatus. J. F. Toomey. No. 1,407,046; Feb. 21.
- Temperature-changing apparatus. W. J. Davis. No. 1,407,013; Feb. 21.
- Temperature control of kettles by zones. J. G. Lehman. No. 1,407,666; Feb. 21.
- Terminal, Track. S. English. No. 1,407,396; Feb. 21.
- Thermal ammeter. W. N. Goodwin, Jr. No. 1,407,147; Feb. 21.
- Thermodynamically-controlled knife switch. M. H. Baker. No. 1,407,315; Feb. 21.
- Thermostatic switch. B. M. Fine. No. 1,407,020; Feb. 21.
- Thorium, Recovery of. L. W. Ryan. No. 1,407,441; Feb. 21.
- Thrust bearing and driving mechanism, Combined. C. F. Paul, Jr. No. 1,407,296; Feb. 21.
- Tire boot. E. M. Steell. No. 1,407,305; Feb. 21.
- Tire carrier and lock. W. H. Rickard and L. G. Walker. No. 1,407,580; Feb. 21.
- Tire casing, Pneumatic. J. I. Freeman and L. J. Peterson. No. 1,407,401; Feb. 21.
- Tire casings, Forming. J. P. King. No. 1,407,159; Feb. 21.
- Tire-chain fastener. J. J. Penhallegon. No. 1,407,438; Feb. 21.
- Tire chains, Antiskidding attachment for. J. Simon. No. 1,407,227; Feb. 21.
- Tire, Combined pneumatic and solid. F. W. Kremer. No. 1,407,070; Feb. 21.
- Tire mold, Vulcanizing and core for. V. K. Sturges. No. 1,407,355; Feb. 21.
- Tire-protecting shoe. J. S. Au Buchon. No. 1,406,962; Feb. 21.
- Tire, Sectional pneumatic. J. N. Stout and E. E. Parsonage. No. 1,407,178; Feb. 21.
- Tires, Antislip armor for cushion. H. S. Esch. No. 1,407,522; Feb. 21.
- Tires, etc., Manufacture of rubber. A. P. Diescher. No. 1,407,193; Feb. 21.
- Tires, Reinforcing fabric for vehicle. T. Branson. No. 1,407,012; Feb. 21.
- Tobacco. H. Hilbert. No. 1,407,274; Feb. 21.
- Tool holder. F. Pretsch. No. 1,407,478; Feb. 21.
- Tools, Mechanism for driving. A. E. Bergey. No. 1,406,965; Feb. 21.
- Tooth, Interchangeable. R. J. McVicker. No. 1,407,557; Feb. 21.
- Toothbrush. L. Osborn. No. 1,407,214; Feb. 21.
- Torch, Cutting. J. H. Turpin and O. B. Brookman. No. 1,407,306; Feb. 21.
- Torpedoes, Propelling mechanism for. W. Dieter. No. 1,407,262; Feb. 21.
- Torpedoes, Propelling mechanism for automobile. W. Dieter. No. 1,407,261; Feb. 21.
- Towrope. G. H. and J. L. Callaghan. No. 1,407,378; Feb. 21.
- Toy. H. A. Ananian. No. 1,407,621; Feb. 21.
- Toy. G. E. Smith. No. 1,407,093; Feb. 21.
- Toy bed, Folding. W. H. Storey. No. 1,407,234; Feb. 21.
- Toy boat. M. Hanna. No. 1,407,410; Feb. 21.
- Toy, Mechanical dancing. T. M. Vaughan. No. 1,407,451; Feb. 21.
- Toy of felt, Seamless head and part of. M. Franco. No. 1,407,649; Feb. 21.
- Toy pistol. C. G. Palmer. No. 1,407,166; Feb. 21.
- Traction wheel. E. E. Hans. No. 1,407,153; Feb. 21.
- Tractor. J. Young. No. 1,407,243; Feb. 21.
- Tractor excavator. O. S. Sandberg. No. 1,407,486; Feb. 21.
- Tractor hitch. L. S. Wright. No. 1,407,365; Feb. 21.
- Tractors, Controlling mechanism for. H. J. Virgeus. No. 1,407,606; Feb. 21.
- Tractors, Harrow and harrow attachment for. H. C. Christensen and W. Starrett. No. 1,407,635; Feb. 21.
- Trailer, Camping. A. R. Curtis. No. 1,407,259; Feb. 21.
- Train-control system, Automatic. W. K. Howe. No. 1,407,065; Feb. 21.
- Train-pipe coupling, Automatic. L. Le Baron and A. C. Harrell. No. 1,407,665; Feb. 21.
- Transmission band. L. F. Crumley. No. 1,407,385; Feb. 21.
- Transmission-equalization arrangement. A. U. Harper. No. 1,407,028; Feb. 21.
- Trap: See—
Animal trap. Steam trap.
- Trap, Self-setting. J. J. Martin. No. 1,407,558; Feb. 21.
- Tray, Crumb. F. W. Drish. No. 1,407,053; Feb. 21.
- Tree stay. E. U. Fowler. No. 1,407,139; Feb. 21.
- Trimming machines, Cutting block for. J. J. Halloran. No. 1,407,268; Feb. 21.
- Trolley. L. T. Outhier. No. 1,407,353; Feb. 21.
- Trough, Hog. N. A. Gibbons. No. 1,407,404; Feb. 21.
- Truck. W. H. Taylor. No. 1,407,235; Feb. 21.
- Truck, Elevator. W. C. Carr. No. 1,407,124; Feb. 21.
- Tumbler, toothbrush, and tube-paste holder, Combined. C. H. Dempewolf. No. 1,407,347; Feb. 21.
- Turn indicator. E. A. Sperry. No. 1,407,491; Feb. 21.
- Twine cutter. J. Sutton. No. 1,407,446; Feb. 21.
- Twine holder and advertising device, Combined. B. W. Smith. No. 1,407,175; Feb. 21.
- Twist drills. F. A. Joseph. No. 1,407,546; Feb. 21.
- Typewriter. J. C. Reddick. No. 1,407,440; Feb. 21.
- Typewriting machine. J. H. Barr. No. 1,407,509; Feb. 21.
- Typewriting machines, Foot-margin regulator and indicator attachment for. L. V. Larsen. No. 1,407,071; Feb. 21.
- Typographic machines, Space-casting mechanism of. P. W. Drutt and W. R. Gilpin. No. 1,407,460; Feb. 21.
- Umbrellas, Identifying tag for. E. L. Gaines. No. 1,407,144; Feb. 21.
- Undergarment. M. Donaldson. No. 1,407,390; Feb. 21.
- Undergarments, Ladies'. S. D. Bausher and J. D. Red. No. 1,407,626; Feb. 21.
- Universal joint. F. W. Toan. No. 1,407,361; Feb. 21.
- Vacuum breaker. R. N. Ehrhart. No. 1,407,136; Feb. 21.
- Valve. T. W. Thaxton. No. 1,407,358; Feb. 21.
- Valve, Filter. A. C. Evans. No. 1,407,397; Feb. 21.
- Valve for internal-combustion engines. H. Dotzer. No. 1,407,644; Feb. 21.
- Valve stems, Packing box for throttle. R. A. Sjoquist. No. 1,407,354; Feb. 21.
- Vanity case. W. G. Kendall. No. 1,407,660; Feb. 21.
- Vegetation-protecting structure. F. H. Carroll. No. 1,407,125; Feb. 21.
- Vehicle. J. M. C. Falke and T. H. M. Salce. No. 1,407,648; Feb. 21.
- Vehicle, Motor. O. E. Hunt. No. 1,407,418; Feb. 21.
- Vehicle, Parcel-carrying. B. H. Smith. No. 1,407,597; Feb. 21.
- Vehicle signal. J. Mayer. No. 1,407,471; Feb. 21.
- Vehicle top, Convertible open and closed. D. R. Jenkins. No. 1,407,278; Feb. 21.
- Vehicle wheel. H. C. Calhoun. No. 1,407,252; Feb. 21.
- Vehicles, Apparatus for testing motor. D. Butler. No. 1,407,377; Feb. 21.
- Vehicles, Coupling for. R. B. Fageol. No. 1,407,019; Feb. 21.
- Vehicles, Direction signal for motor. J. J. Judge. No. 1,407,199; Feb. 21.
- Vehicles, Means of suspension of. P. H. Johnson. (Re-issue.) No. 15,288; Feb. 21.
- Vehicles, Safety device for motor. T. F. Robinson. No. 1,407,579; Feb. 21.
- Vehicles, Side-curtain confiner for. G. R. Shepherd. No. 1,407,091; Feb. 21.
- Vehicles, Top for. T. H. Jones. No. 1,407,198; Feb. 21.
- Vehicles, Two-speed final-drive gear set for motor. A. J. Schubert. No. 1,407,226; Feb. 21.

- Vending-machine indicator. A. D. Grover. No. 1,407,063; Feb. 21.
 Vending machine, Stamp-. C. S. Cone. No. 1,407,639; Feb. 21.
 Ventilator: *See*—
 Revolving ventilator.
 Ventilator. T. C. Crouch. No. 1,407,129; Feb. 21.
 Ventilator, Revolving. J. W. Tidwell. No. 1,407,179; Feb. 21.
 Vest, Conductor's. S. M. Bloch. No. 1,407,459; Feb. 21.
 Violins, Tremolo device for electric self-playing. B. E. Mills. No. 1,407,434; Feb. 21.
 Vise. M. S. Cumner. No. 1,406,981; Feb. 21.
 Wafer-baking machines, Pump-operating mechanism for. R. E. Baker, E. H. Ford, and I. Elliott. No. 1,407,457; Feb. 21.
 Wagon boxes and other vehicles, Adjustable throw board and rack for. J. W. Hedrick and C. S. Harper. No. 1,407,415; Feb. 21.
 Wagon brake, Automatic. W. L. Houston. No. 1,407,542; Feb. 21.
 Wall construction, Hollow-. A. F. Levitt. No. 1,407,349; Feb. 21.
 Wash boilers, Protecting shoe for. A. Johnson. No. 1,407,066; Feb. 21.
 Washing machine. J. C. Aker and M. C. Williams. No. 1,407,618; Feb. 21.
 Washing machine. G. S. Blakeslee. No. 1,406,968; Feb. 21.
 Washing machine. J. B. Kirby. No. 1,407,201; Feb. 21.
 Water cooler, Automatic dispensing. V. Glisci. No. 1,407,264; Feb. 21.
 Water heater. W. Karlsson. No. 1,407,282; Feb. 21.
 Water heater, Electric. F. W. Moffat. No. 1,406,994; Feb. 21.
 Weed puller. J. F. Stevens. No. 1,407,232; Feb. 21.
 Well-drill jack. L. P. Hansen. No. 1,407,654; Feb. 21.
 Wetting, Process and machine for making. C. S. Norden. No. 1,407,294; Feb. 21.
 Wheel: *See*—
 Fly wheel. Traction wheel.
 Presser wheel. Vehicle wheel.
 Spring wheel.
 Wheel holder. H. I. Matson. No. 1,407,332; Feb. 21.
 Winding and sharpening apparatus. O. Nordbo. No. 1,407,475; Feb. 21.
 Winding machine, Field-. G. C. Huggins. No. 1,407,033; Feb. 21.
 Windmill. P. V. Brymer. No. 1,407,373; Feb. 21.
 Window. G. B. Wettstein. No. 1,407,503; Feb. 21.
 Window construction. R. T. Axe. No. 1,407,314; Feb. 21.
 Window cooling box. E. R. Tompkins. No. 1,407,447; Feb. 21.
 Window frame. C. W. Hodgen. No. 1,407,536; Feb. 21.
 Window sash. M. Pisula. No. 1,407,573; Feb. 21.
 Window-sash fastener. H. Fox. No. 1,407,022; Feb. 21.
 Window-sash operating and locking mechanism. A. R. Ferrell. No. 1,407,055; Feb. 21.
 Window sashes, Counterbalancing sash for main. G. W. Lancaster. No. 1,407,549; Feb. 21.
 Windows in partially-open position, Window-sash fastener for locking. W. F. Stagers. No. 1,407,006; Feb. 21.
 Windshield. J. R. Oishei. No. 1,407,164; Feb. 21.
 Windshield cleaner. S. Robinson. No. 1,407,672; Feb. 21.
 Windshield clearer. B. Verlangieri. No. 1,407,605; Feb. 21.
 Wiping mechanism. N. Walker. No. 1,407,104; Feb. 21.
 Wireless telegraphy, Amplifying device for use in. J. B. Bolitho. No. 1,407,245; Feb. 21.
 Wood-working machine. P. H. Young. No. 1,407,112; Feb. 21.
 Wrench: *See*—
 Pipe wrench.
 Wrench. W. Gordon. No. 1,407,528; Feb. 21.
 Wrench. E. L. Hazard. No. 1,407,152; Feb. 21.
 Wrench. F. P. Robert. No. 1,407,578; Feb. 21.
 Wrench. J. J. Thomas. No. 1,407,360; Feb. 21.
 Wrench. F. C. Wutke. No. 1,407,110; Feb. 21.
 Wrench or spanner. T. J. Pryor. No. 1,407,577; Feb. 21.
 Wristlet. J. P. Kelly. No. 1,407,658; Feb. 21.
 Writing pads or blocks, Clamp or holder for. F. Martens. No. 1,406,992; Feb. 21.
 Yarn, Machine for manufacturing asbestos. J. A. Heany. No. 1,407,685; Feb. 21.

ALPHABETICAL LIST OF DESIGNS.

- Bag, School. W. Chernoff. No. 60,444; Feb. 21.
 Bottle. F. K. Smith. No. 60,472; Feb. 21.
 Bracelet. J. L. Sabbath. No. 60,470; Feb. 21.
 Candelabrum. D. Dinberg. No. 60,448; Feb. 21.
 Candlestick. L. G. Unmack. No. 60,480; Feb. 21.
 Clothes post or similar article, Cap for a. W. G. Banks. No. 60,439; Feb. 21.
 Display case, Advertising. C. D. Oversmith. No. 60,465; Feb. 21.
 Display holder. A. S. Marchus. No. 60,464; Feb. 21.
 Doll. R. Davis. Nos. 60,445-7; Feb. 21.
 Electric-lighting fixture. J. W. Gosling. Nos. 60,452-3; Feb. 21.
 Fancy box. S. Anhouse. No. 60,438; Feb. 21.
 Finger ring. A. Klein. Nos. 60,456-7; Feb. 21.
 Helmet. B. Budweiser. No. 60,442; Feb. 21.
 Lace. J. Rizzi. Nos. 60,466-9; Feb. 21.
 Lamp shade, Surface ornamentation for a. G. V. Strahan and F. W. Mathiew. Nos. 60,475-8; Feb. 21.
 Lens for headlights. O. C. Eckel. No. 60,449; Feb. 21.
 Lighting fixture. I. Kranz. Nos. 60,458-62; Feb. 21.
 Lighting fixtures, Husk for. R. F. Lindemann. No. 60,463; Feb. 21.
 Pencil. F. J. Terrell. No. 60,479; Feb. 21.
 Plaque. A. Ingelsky. No. 60,454; Feb. 21.
 Plate or similar article. L. H. Bown. No. 60,441; Feb. 21.
 Puzzle or game board. J. Antiga y Escobar. No. 60,450; Feb. 21.
 Receptacle, Display collar for a. W. Boucher, Jr. No. 60,440; Feb. 21.
 Rubber heel. A. A. Glidden and L. E. Best. No. 60,451; Feb. 21.
 Rubber-heel tread. G. L. Spencer. No. 60,473; Feb. 21.
 Rug. G. J. Stengel. No. 60,474; Feb. 21.
 Statuettes. G. Westervelt. No. 60,482; Feb. 21.
 Tire tread. A. A. Bush. No. 60,443; Feb. 21.
 Tweezers. S. B. Kahnweiler. No. 60,455; Feb. 21.
 Vacuum cleaner. C. F. Smith. No. 60,471; Feb. 21.
 Washing machine, Cabinet for a. L. C. Upton. No. 60,481; Feb. 21.

ALPHABETICAL LIST OF TRADE-MARKS REGISTERED.

- Alkaline antiseptics. W. N. Edenfield. No. 152,160; Feb. 21.
- Anesthetics and preparations for alleviating irritation and pain. H. A. Metz Laboratories. Nos. 152,231-2; Feb. 21.
- Antiseptic powder. A. C. Hanson. No. 152,190; Feb. 21.
- Antiseptics. W. L. Erhardt. No. 152,162; Feb. 21.
- Automobiles, Passenger. Marsh Motor Car Company. No. 152,225; Feb. 21.
- Bacon, smoked belly, sausage, etc. Indianapolis Abattoir Company. No. 152,198; Feb. 21.
- Baking powder, cream of tartar, soda. J. A. Folger & Co. No. 152,172; Feb. 21.
- Bedspreads. Marshall Field & Company. No. 152,226; Feb. 21.
- Bedspreads and couch covers. F. C. Huyck & Sons. No. 152,197; Feb. 21.
- Beverages, Malt cereal. Adolph Coors B. & M. Company. No. 152,309; Feb. 21.
- Biscuit. National Biscuit Company. Nos. 152,240-2; Feb. 21.
- Bluing compound. W. E. Martin. No. 152,227; Feb. 21.
- Bluing. M. Nedlin. No. 152,243; Feb. 21.
- Bread. Ward Baking Company. No. 152,290; Feb. 21.
- Bread. Celery. F. J. Barrager. No. 152,121; Feb. 21.
- Bristol board and paper, cardboard, writing paper, Weddington. B. D. Rising Company. No. 152,320; Feb. 21.
- Buttons and beads. F. Bapterosses & Cie. No. 21,086; renewed May 10, 1922.
- Cake. Ward Baking Company. No. 152,291; Feb. 21.
- Candy and chocolate bars. Jacob Brothers. No. 152,200; Feb. 21.
- Canned goods. Maconochie Bros. Nos. 20,276-7; renewed Oct. 27, 1921.
- Canned goods, jams, jellies, coffee, tea, etc. Jenkinson-Bode Company. No. 152,315; Feb. 21.
- Cereal, hominy, oatmeal, etc. Breakfast. Cereal Products Co. No. 152,130; Feb. 21.
- Cheese. O. Roth. No. 152,263; Feb. 21.
- Chemical preparation, Certain. J. E. Sims. No. 152,271; Feb. 21.
- Chemical preparations, Certain. Elektrizitätswerk Lonza. No. 152,214; Feb. 21.
- Chemical preparations, Certain. R. M. Hollingshead Co. No. 152,193; Feb. 21.
- Chemical preparations, Certain. McDougall & Yalding Ltd. Nos. 152,219-20; Feb. 21.
- Cigars, cigarettes, cheeroots, tobacco. J. W. Roberts & Son. No. 152,321; Feb. 21.
- Clothing, Certain articles of. J. T. Rose. No. 152,262; Feb. 21.
- Coal. Victor-American Fuel. Nos. 152,322-7; Feb. 21.
- Compound for relieving fever. W. Borkowski. No. 152,124; Feb. 21.
- Confections and candies. Pan Confection Company. No. 20,957; renewed Apr. 12, 1922.
- Corsets. E. Schweinburg. No. 21,006; renewed Apr. 19, 1922.
- Cotton goods in the piece. Erwin Cotton Mills Co. No. 152,163; Feb. 21.
- Cotton piece goods. Garner Print Works and Bleachery. No. 152,313; Feb. 21.
- Cotton piece goods. Morton Sundour Fabrics, Ltd. Nos. 152,236-7; Feb. 21.
- Cream, Face. N. Hartofelis. No. 152,191; Feb. 21.
- Cream, Medicated skin. Zem Chemical Company. No. 152,305; Feb. 21.
- Dentifrices, Liquid. Birch Chemical Co. No. 152,122; Feb. 21.
- Dentifrices. Penslar Company. No. 152,251; Feb. 21.
- Deodorants. Sweet-Odor-Home Company. No. 152,281; Feb. 21.
- Dress fabrics and linings, Mohair. Cleminshaw, Levitch & Company. No. 152,133; Feb. 21.
- Dyes. White Tar Company. No. 152,296; Feb. 21.
- Dyestuff intermediates. E. I. du Pont de Nemours & Company. No. 152,156; Feb. 21.
- Egg-preserving compound. Figaro Chemical Co. No. 152,165; Feb. 21.
- Engines, Compound for sealing leaks in radiators of gas. Atkinson Drug Co. No. 152,117; Feb. 21.
- Explosive substances, projectiles, ammunition. Tetralin Gesellschaft mit beschränkter Haftung. No. 152,283; Feb. 21.
- Fabric for wearing apparel, Open or net work. L. Haslam. No. 20,152; renewed Sept. 22, 1921.
- Fabrics in the piece, Pile. Sidney Blumenthal & Co. Nos. 152,306-7; Feb. 21.
- Flour, Wheat. Collins Flour Mills. Nos. 152,136-8; Feb. 21.
- Flour, Wheat. Holt & Company. No. 152,195; Feb. 21.
- Flour, Wheat. Poage-Wall Milling Company. Nos. 152,253-4; Feb. 21.
- Flour, Wheat. Red Star Milling Company. No. 152,258; Feb. 21.
- Flour, Wheat. Wallace & Tiernan Co. No. 152,287; Feb. 21.
- Flour, Wheat. Weber Flour Mills Corporation. No. 152,294; Feb. 21.
- Fluxes for soldering and welding. Société Anonyme des Usines Giuliani. No. 152,274; Feb. 21.
- Food, Dietetic health. California Fig-Nut Company. No. 152,310; Feb. 21.
- Fruits, vegetables, fish, coffee, coco, sugar, etc. Bon I. Look Stores Company. No. 152,123; Feb. 21.
- Gum, Chewing. Listered Gum Corporation. No. 152,316; Feb. 21.
- Hair dye. F. R. Marcel. No. 152,222; Feb. 21.
- Hair grower. J. Cetrulo. No. 152,131; Feb. 21.
- Hair grower. C. Wiggins. No. 152,297; Feb. 21.
- Hair nets. Hair Net Importing Co. No. 152,189; Feb. 21.
- Hair nets. S. A. Rider Company. No. 152,259; Feb. 21.
- Hair nets. Western Bottle Manufacturing Company. No. 152,295; Feb. 21.
- Hair, Solution for lightening the shade of. J. Sénégal. No. 152,267; Feb. 21.
- Hair tonic. J. Potaschnik. No. 152,256; Feb. 21.
- Hair tonic. L. A. Steinmetz. No. 152,278; Feb. 21.
- Hair tonics. Wauchula Chemical Company. No. 152,293; Feb. 21.
- Hexamethylenamin in powder and tablet. Merck & Co. No. 152,230; Feb. 21.
- Insect-extermiator, disinfectant, and deodorizer. Yellow-Fluid Chemical Co. No. 152,303; Feb. 21.
- Insecticide. Insecto Manufacturing Co. No. 152,199; Feb. 21.
- Kerosene, gasoline, fuel-oil, lubricating-oil, and paraffine-wax. Ohio Valley Refining Company. No. 152,248; Feb. 21.
- Lamps, Gasoline. Nagel-Chase Mfg. Co. No. 152,319; Feb. 21.
- Laxative cold compound, Liquid. Cooper Medicine Co. No. 152,142; Feb. 21.
- Laxatives. W. H. Arthur. No. 152,116; Feb. 21.
- Laxatives and purgatives. D. B. Latimer. No. 152,212; Feb. 21.
- Line of proprietary medicines. Koenig Medicine Company. No. 21,103; renewed May 10, 1922.
- Liniment. J. B. Parrish. No. 152,250; Feb. 21.
- Lotion, Antiseptic. Crown Remedy Company. No. 152,145; Feb. 21.
- Lotions and creams, powders, Skin and massage. Kaufman-Straus Co. No. 152,205; Feb. 21.
- Malines, tulles, and nettings in the piece. Herbert B. Lederer Co. No. 152,213; Feb. 21.
- Mattresses, pillows, box springs. International Bedding Co. No. 152,314; Feb. 21.
- Medical preparation for treatment of skin diseases. S. Finkel. No. 152,168; Feb. 21.
- Medicine. Frederick Stearns & Company. No. 152,182; Feb. 21.
- Medicine for catarrhal conditions. Crown Remedy Company. No. 152,143; Feb. 21.
- Medicine for colds, grippé, influenza, etc. Organ-Iron Company. No. 152,249; Feb. 21.
- Medicine, Certain. J. C. Schmidt. No. 152,266; Feb. 21.
- Medicinal compound for rheumatic ailments. B. Uhlmann. No. 152,285; Feb. 21.
- Medicines for heart affections. Laboratoire Nativelle. No. 152,211; Feb. 21.
- Medicinal preparation. Angier Chemical Co. No. 152,115; Feb. 21.
- Medicinal preparation, Certain. Comer, Fetterly & Co. Nos. 152,139-40; Feb. 21.
- Medicinal preparation, Certain. Crown Remedy Company. No. 152,144; Feb. 21.
- Medicinal preparation, Certain. R. Filkins. No. 152,167; Feb. 21.
- Medicinal preparation, Certain. R. J. Gates. No. 152,183; Feb. 21.
- Medicinal preparation and hair restorer. Kirbarline Co. No. 152,208; Feb. 21.
- Medicinal preparation, Certain. Mackie Pine Oil Specialty Co. No. 152,221; Feb. 21.
- Medicinal preparation, Certain. Nodol Medicine Co. No. 152,244; Feb. 21.
- Medicinal preparation, Certain. Dr. L. Plantier. No. 152,252; Feb. 21.
- Medicinal preparation, Certain. J. M. Stewart. No. 152,279; Feb. 21.
- Medicinal Preparations, Certain. A. G. Frowning. No. 152,126; Feb. 21.
- Medicinal preparations, Certain. E. Wolfram. No. 152,301; Feb. 21.
- Medicinal preparation, Certain. Youth-Grand Chemical Laboratories, Ltd. No. 152,304; Feb. 21.
- Medicinal preparation for the treatment of horses and farm stock, Certain. C. H. Mohr and Company. No. 152,234; Feb. 21.

- Mordants. Grasser Chemical Company. No. 152,185; Feb. 21.
- Nainsook. Marshall Field & Company. No. 152,317; Feb. 21.
- Oats, (for food.) John Thompson & Sons, Ltd. No. 152,284; Feb. 21.
- Oats, wheat flakes, farina, Rolled. Northern Flour Mills Company. No. 152,246; Feb. 21.
- Office equipment and furniture, Certain steel. United Alloy Steel Corporation. No. 152,328; Feb. 21.
- Oil, Wool. U. S. Oil & Supply Co. No. 152,286; Feb. 21.
- Oils, laundry wax, petroleum, disinfectants, and dyes, Medicinal. Standard Oil Company of New York. No. 152,277; Feb. 21.
- Oils, paints, varnishes, and lacquers. Anticorrosive. Edmund Muller & Mann. No. 20,799; renewed Mar. 1, 1922.
- Ointment, Antiseptic. H. C. Durar. No. 152,158; Feb. 21.
- Ointment, Certain. R. Flores. No. 152,171; Feb. 21.
- Ointment for treating the scalp. A. G. Gomillion. No. 152,184; Feb. 21.
- Ointment, Healing. Crown Remedy Company. No. 152,146; Feb. 21.
- Paper, Certain. H. Edmunds. No. 152,161; Feb. 21.
- Paper, Coated book and magazine. West Virginia Pulp & Paper Co. No. 152,330; Feb. 21.
- Paper, Writing. Marcus Ward, Inc. No. 152,292; Feb. 21.
- Papers, Writing. Corlies, Macy & Co. No. 152,312; Feb. 21.
- Palliative for throat diseases and malignant growths in throat. S. Sloma. No. 152,272; Feb. 21.
- Perfume, Liquid and Powdered. Colgate & Company. No. 152,135; Feb. 21.
- Perfumes and perfumed soaps and toilet preparations. Colgate & Company. No. 20,095; renewed Sept. 1, 1921.
- Perfumes, sachets, etc. John Wanamaker New York. Nos. 152,288-9; Feb. 21.
- Perfumes, toilet cream, etc. Société Anonyme des Parfums d'Arly. No. 152,273; Feb. 21.
- Perfumes, toilet waters, brilliantine. M. M. Richard vve. Grenoville. No. 152,188; Feb. 21.
- Perfumes, toilet waters, face lotions, eau de cologne, etc. M. M. Richard Vve. Grenoville. No. 152,187; Feb. 21.
- Pharmaceutical preparation. Howes' Laboratories. No. 152,196; Feb. 21.
- Pharmaceutical preparation, Certain. Calco Chemical Company. No. 152,129; Feb. 21.
- Pharmaceutical preparation, Certain. Menley & James, Limited, New York. No. 152,229; Feb. 21.
- Piece goods and vellings, Certain. Winship, Boit & Co. Nos. 152,299-300; Feb. 21.
- Piece goods, Certain. R. Spitzer. No. 152,276; Feb. 21.
- Poison for rats, mice, gophers, and moles. W. R. Sweeney. No. 152,280; Feb. 21.
- Polish, Nail. J. Sénagas. No. 152,268; Feb. 21.
- Portières, silk drapery cloths, and curtains, Summer. J. Derk. No. 152,149; Feb. 21.
- Powder for affections of the skin. R. Flores. No. 152,170; Feb. 21.
- Powder, Liquid face. J. G. Brown. No. 152,125; Feb. 21.
- Powder, Medicated foot. P. L. De Weese. No. 152,150; Feb. 21.
- Powder, Talcum. Samstag & Hilder Bros. No. 152,264; Feb. 21.
- Powder, Toilet, (face.) Marie Djang-lure Co. No. 152,308; Feb. 21.
- Powder, Tooth. T. Sands. No. 152,265; Feb. 21.
- Preparation for producing permanent waves in the hair, Oily. F. R. Marcel. Nos. 152,223-4; Feb. 21.
- Preparation for softening water. Compound Injector & Specialty Co. No. 152,311; Feb. 21.
- Preparation for treatment of nervousness, etc. W. A. Hooks. No. 152,194; Feb. 21.
- Preparation for the treatment of pyorrhea. J. H. Mowery. No. 152,238; Feb. 21.
- Preparation for treatment of the skin and face powder. C. C. Cole. No. 152,134; Feb. 21.
- Preparation for use as a mouth cleanser. W. H. Graves. No. 152,186; Feb. 21.
- Preparation to reduce and deodorize perspiration, Liquid. Odri Company. No. 152,247; Feb. 21.
- Prophylactics. Lowy Laboratories, Inc. No. 152,218; Feb. 21.
- Refrigerators. Brunswick-Balke-Collender Company. No. 152,127; Feb. 21.
- Remedy against gall stones, liver complaint, etc. Dr. Ivo Deiglmayr Chemische Fabrik. No. 152,148; Feb. 21.
- Remedy for diseases of the respiratory organs. Dr. D. Jayne & Son. No. 152,201; Feb. 21.
- Remedy for heaves, coughs, or distemper. Newton Horse Remedy Co. No. 20,814; renewed Mar. 8, 1922.
- Remedy for phthisic. Farbwerke, vormals Meister, Lucius & Brüning. Nos. 20,617-8; renewed Jan. 19, 1922.
- Remedy for treatment of rheumatism, headache, etc. J. Filipowicz & Co. No. 152,166; Feb. 21.
- Remedy for tuberculosis. Z. E. Moore. No. 152,235; Feb. 21.
- Remedy, Stomach. Barney-Bennett Co. No. 152,119; Feb. 21.
- Rodents, Mixture for the destruction of. C. G. Woods, Jr. No. 152,302; Feb. 21.
- Rubber belting, hose, and packing. Revere Rubber Company. No. 20,848; renewed Mar. 15, 1922.
- Salt, Mineral and medical. Spa Baths Co. No. 152,275; Feb. 21.
- Salve. A. Baron. No. 152,120; Feb. 21.
- Salve. N. W. Kline. No. 152,209; Feb. 21.
- Salve. Polar Salve Company. No. 152,255; Feb. 21.
- Salve, Corn. H. D. Burnett. No. 152,128; Feb. 21.
- Salve for piles, catarrh, eczema, etc. A. H. Hileman. No. 152,109; Feb. 21.
- Seed, Lawn-grass. J. O. Johnson. No. 152,203; Feb. 21.
- Seeds used as food for birds. Kaempfer's Incorporated. No. 152,204; Feb. 21.
- Shampoo. L. O. Nodde. No. 152,245; Feb. 21.
- Shampoo, Henna. East and West Trading Corporation. No. 152,159; Feb. 21.
- Sheets and pillowcases. Marshall Field & Company. No. 152,318; Feb. 21.
- Sheets and pillowcases, and cotton goods in the piece. Erwin Cotton Mills Co. No. 152,164; Feb. 21.
- Sheets, sheetings and pillowcases. Cooper, Coate & Casey Dry Goods Co. No. 152,141; Feb. 21.
- Silk piece goods. Aimé Baboin & Cie. No. 152,111; Feb. 21.
- Silk piece goods. Rogers & Thompson. No. 152,261; Feb. 21.
- Silk piece goods. Broad. Duplan Silk Corporation. Nos. 152,152-5; Feb. 21.
- Soda ash and caustic soda. Diamond Alkali Company. No. 152,151; Feb. 21.
- Spark plugs, receiving tuners, etc. Precision Equipment Co. No. 152,257; Feb. 21.
- Spices and extracts. B. M. Johnson Manufacturing Co. No. 152,202; Feb. 21.
- Starch, Laundry. Keever Starch Co. No. 152,206; Feb. 21.
- Stroppers for safety-razor blades. American Stropper Corporation. No. 152,113; Feb. 21.
- Tablets, Medicinal. C. E. Kiesling. No. 152,207; Feb. 21.
- Teats for feeding bottles, baby soothers, etc. S. Maw, Son and Sons, Limited. No. 152,228; Feb. 21.
- Telephone mouth pieces, Disinfectant-holder attachment for. Upressit Products Corporation. No. 152,329; Feb. 21.
- Textile fabrics, Certain. A. Seril. No. 152,269; Feb. 21.
- Textile fabrics, Certain. Wm. Anderson Textile Mfg. Co. No. 152,114; Feb. 21.
- Textile machinery, Thread guides for. Mitchell-Bissell Company. No. 152,233; Feb. 21.
- Toilet and medicinal preparation, Certain. M. J. Tehan. No. 152,282; Feb. 21.
- Toilet and medicinal preparations, Certain. G. S. Kolar Laboratories. No. 152,210; Feb. 21.
- Toilet preparation. Aetna Chemical Company. No. 152,110; Feb. 21.
- Toilet preparations, Certain. Lowell Company. Nos. 152,216-17; Feb. 21.
- Toilet preparations, Certain. Bailey Co. No. 152,118; Feb. 21.
- Toilet preparations, Certain. Cupid Beauty Company. No. 152,147; Feb. 21.
- Toilet preparations, Certain. Lowell Company. No. 152,215; Feb. 21.
- Tonic and blood preparation, General. A. C. Wilson. No. 152,298; Feb. 21.
- Tonic and reconstructive. General. American Apothecaries Company. No. 152,112; Feb. 21.
- Tonic, General. C. Rocchietta. No. 152,260; Feb. 21.
- Tonic in liquid form, Blood and nerve. The Clausen Zoller Company. No. 152,132; Feb. 21.
- Tooth paste, cold cream, complexion powder, etc. Nathan & Cie. Laboratories Cadum. No. 152,239; Feb. 21.
- Trucks, Motor. Service Motor Truck Company. No. 152,270; Feb. 21.
- Whiskies and alcoholic liquors. H. Large, Jr., and F. C. Renziehausen. No. 19,997; renewed Aug. 11, 1921.
- Wire, Barbed. Washburn & Moen Company. No. 20,716; renewed Feb. 16, 1922.
- Woolen, cotton, and silk fabrics, velvets, velveteens. Finkelstein & Sons. No. 152,169; Feb. 21.
- Woolen piece goods. Forstmann & Huffmann Company. Nos. 152,173-81; Feb. 21.
- Worsted and woolen textile fabrics. Holden-Leonard Company. No. 152,192; Feb. 21.

ALPHABETICAL LIST OF LABELS.

"Auto Drive Friend." (For Cement.) Harry A. Cook. No. 24,116; Feb. 21.
 "Cotton Fibre." (For Toilet Paper.) Paul E. Trouche. No. 24,124; Feb. 21.
 "Dover Hill Honey." (For Bottles and Cans Containing Honey.) Walter B. Crane. No. 24,117; Feb. 21.
 "Fresh Fine Cakes." (For Cakes.) Matti Tuuri. No. 24,127; Feb. 21.
 "Ha-Lo Antiseptic Cylinders, Antiseptic Healing Deodorant Prophylactic." (For Medicinal Preparation for Colds, Grippe, Headache, and Neuralgia.) Louis C. Rohlbng. No. 24,122; Feb. 21.
 "Magico." (For Packages or Cartons Containing an Insect Exterminator.) Kay & Ess Chemical Company Inc. No. 24,119; Feb. 21.
 "Milk-Maid Bread." (For Bread.) Fred Glickmann. No. 24,118; Feb. 21.

"Mrs. Wagner's Famous Home Made Pies." (For Pies.) Wagner Pastry Co., The. No. 24,125; Feb. 21.
 "Phytamin." (For a Food Product.) Phytamin Corporation, The. No. 24,121; Feb. 21.
 "Play Teddy's Multiplication Game It Multiplies Your Abilities." (For Playing Cards.) Teddy Multiplication Game Company, The. No. 24,126; Feb. 21.
 "Sterling Brand." (For Malt Sirup.) Sterling Malt & Hop Co. No. 24,123; Feb. 21.
 "Sweet Milk Chocolate." (For Sweet Milk Chocolate.) Knickerbocker Chocolate Company. No. 24,120; Feb. 21.
 "Wilbert's Housework Ammonia." (For Bottles and other Receptacles Containing Ammonia.) Wilbert Products Co., The. No. 24,128; Feb. 21.

ALPHABETICAL LIST OF PRINTS.

"American Brand Corset Laces." (For Advertising Purposes for Corset Laces.) American Narrow Fabric Co. No. 5,981; Feb. 21.
 "Drink Coca-Cola the Year-Round Drink." (For Advertising Purposes for Coca-Cola.) Coca-Cola Company. No. 5,984; Feb. 21.
 "Easy to Play." (For Advertising Purposes for Player-Pianos.) Gulbranson, Dickinson Company. No. 5,986; Feb. 21.
 "From Daddy to Laddie." (For Advertising Purposes for Lamb and Leather Lined Coats.) T. W. Stevenson Co. No. 5,991; Feb. 21.
 "Heat by the Roomful." (For Advertising Purposes for Perfection Oil Heaters.) Cleveland Metal Products Company. No. 5,983; Feb. 21.

"Parker Fountain Pen." (For Advertising Purposes for Fountain Pens.) Parker Pen Company. No. 5,988; Feb. 21.
 "Sport Trousers." (For Advertising Purposes for White Duck Clothing.) James E. Richards Company. No. 5,989; Feb. 21.
 "The Elgin Economy Watch." (For Advertising Purposes for Watches.) Elgin National Watch Company. No. 5,985; Feb. 21.
 "The Neglected Inch." (For Advertising Purposes for Casters.) Baskick Company. No. 5,982; Feb. 21.
 "This Beauty Every Girl Can Have." (For Advertising Purposes for Palmolive Soap.) Palmolive Company. No. 5,987; Feb. 21.
 "3000 Hours of Solid Comfort." (For Advertising Purposes for Garters.) A. Stein & Company. No. 5,990; Feb. 21.

ALPHABETICAL LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Allspice, licorice, milk, tea, etc. San Antonio Drug Co. No. 142,417; Feb. 21.
 Almond cream, vegetable-oil shampoo, etc. R. A. Hudson Company. No. 153,727; Feb. 21.
 Analgesic and medicine for neuralgia, headache, toothache, etc. Generale Societe Civile des Heritiers de P. Basset. No. 153,997; Feb. 21.
 Antiseptic wash. J. J. Jenkins. No. 155,349; Feb. 21.
 Apples, Fresh. Equity Growers & Shippers Association. No. 153,877; Feb. 21.
 Bearings, Journal. Oregon Brass Works. No. 139,414; Feb. 21.
 Beds and bedsprings. Smith & Davis Manufacturing Company. No. 155,774; Feb. 21.
 Beds, Concealable. American Automatic Lock and Lift Company. No. 153,755; Feb. 21.
 Beds, cribs, etc. Crescent Bed Co. No. 155,482; Feb. 21.
 Bedspreads. Marshall Field & Company. No. 140,324; Feb. 21.
 Beverage, Nonalcoholic maltless. Arkola Company. No. 145,425; Feb. 21.
 Beverage, Nonalcoholic, noncereal, maltless. W. T. Wagner's Sons Company. No. 157,467; Feb. 21.
 Blackleg aggressin, vaccine for cattle, etc. Purity Biological Laboratories. No. 129,245; Feb. 21.
 Bleaching powder caustic potash, etc. Innis, Speiden & Co. No. 154,275; Feb. 21.
 Bluing. Condensed Bluing Company. No. 143,160; Feb. 21.
 Boiler compound. T. Hopkins. No. 134,567; Feb. 21.
 Boots, shoes, and slippers. Thomas G. Plant Company. No. 156,802; Feb. 21.
 Brake lining. Raybestos Company. No. 150,469; Feb. 21.
 Candies. Mari-Bell Sweets. No. 152,765; Feb. 21.
 Candy. De Klyn Candy Co. No. 131,018; Feb. 21.
 Candy, Chocolate. Chocolate Products Company. No. 152,873; Feb. 21.
 Canned chile con carne, peach jam, apple jelly, etc. J. A. Gage. No. 152,795; Feb. 21.
 Chisels and punches. Cold. Western Tool & Forge Company. No. 154,713; Feb. 21.
 Chocolates and candy. Smith-Kirk Candy Co. No. 151,851; Feb. 21.

Cleaners and parts thereof, Electric vacuum. Electric Vacuum Cleaner Company. No. 151,616; Feb. 21.
 Cleaning compound for the hands. F. C. Dunlap. No. 156,737; Feb. 21.
 Cleanser in soap form. Hawkeye Cleaner Co. No. 153,981; Feb. 21.
 Coffee. Hewlett Bros. Company. No. 148,937; Feb. 21.
 Coffee. St. Louis Coffee & Spice Mills. No. 134,609; Feb. 21.
 Cough medicine. M. A. Jasper. No. 153,846; Feb. 21.
 Cough sirup. J. H. Baker. No. 155,544; Feb. 21.
 Dental crowns and bridges, Material for models for the construction of. J. C. Schwartz. No. 156,030; Feb. 21.
 Dental medicines and tooth paste, Germicidal. L. E. Sweitzer. No. 154,851; Feb. 18.
 Dentifrice. W. M. Ruthrauff Company. No. 155,637; Feb. 21.
 Disinfectants, deodorizers, fumigators, antiseptics. W. H. Huggins. No. 155,615; Feb. 21.
 Dolls, toy animals, and doll clothes, Washable. C. V. Havens. No. 156,329; Feb. 21.
 Dye, Hat. G. H. Capen. No. 155,392; Feb. 21.
 Erasers, Rubber. Joseph Dixon Crucible Company. No. 157,917; Feb. 21.
 Fans for personal use. Ovington Bros. Company. No. 142,398; Feb. 21.
 Firebrick, furnace and baffle tiles, etc. W. E. Mushet. No. 147,629; Feb. 21.
 Fishing line. Ashaway Line & Twine Manufacturing Company. Nos. 157,792-6; Feb. 21.
 Fishing line. Ashaway Line & Twine Manufacturing Company. Nos. 157,800-2; Feb. 21.
 Fishing line. Ashaway Line & Twine Manufacturing Company. Nos. 157,806-7; Feb. 21.
 Fishing line. Ashaway Line & Twine Manufacturing Company. No. 157,809; Feb. 21.
 Fishing line. Ashaway Line & Twine Manufacturing Company. Nos. 157,812-16; Feb. 21.
 Fishing line. Ashaway Line & Twine Manufacturing Company. Nos. 157,818-19; Feb. 21.
 Fruit, Fresh deciduous. Lamb Fruit Company. No. 153,006; Feb. 21.

ALPHABETICAL LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Furniture and upholstery. L. R. Gans. No. 140,642; Feb. 21.
- Gas radiators. Pacific Gas Radiator Co. No. 157,386; Feb. 21.
- Gelatine preparation. Edward W. Brown Co. No. 148,866; Feb. 21.
- Ginger ale. Dubonnet Company. No. 157,558; Feb. 21.
- Glass cutters. Smith & Hemenway Company. No. 151,773; Feb. 21.
- Golf balls. Holmac, Inc. No. 157,611; Feb. 21.
- Hair nets, Sanitary human. National Commodities Co. No. 154,234; Feb. 21.
- Hammers. John N. Lindsley Inc. No. 151,460; Feb. 21.
- Hemostatics, astringents, hypnotics, etc. Parke, Davis & Company. No. 153,564; Feb. 1.
- Lamps, Brackets for electric. R. D. H. Anderson. No. 143,198; Feb. 21.
- Lingerie trimming, fancy braids, etc. Marshall Field & Company. No. 146,534; Feb. 21.
- Liniments. J. J. Klavon. No. 148,805; Feb. 21.
- Lip sticks, face powders, rouge, etc. Rieser Company. No. 155,449; Feb. 21.
- Lotion, Skin. Lavello Company. No. 155,265; Feb. 21.
- Magazine section. Eastern Advertising Company. No. 153,878; Feb. 21.
- Magazine, Semimonthly. Plumbers Trade Journal Publishing Company. No. 154,567; Feb. 21.
- Mattresses. C. F. Lottman & Sons. No. 152,177; Feb. 21.
- Mattresses. John A. Schwarz, Inc. No. 133,900; Feb. 21.
- Medicinal tablets used as a cathartic. Masco Drug Company. No. 137,847; Feb. 21.
- Medicine, (a yeast laxative.) A. M. Davis. No. 142,203; Feb. 21.
- Medicine used in the treatment of pneumonia. S. Ruocco. No. 155,772; Feb. 21.
- Medicines for venereal diseases. Docteur H. Ferré & Cie. No. 154,018; Feb. 21.
- Mops, dusters, brushes, mop handles. B. E. Viner. No. 153,961; Feb. 21.
- Nursery products. Greening Nursery Co. No. 149,080; Feb. 21.
- Nuts and popcorn. Marston-Greening Company. No. 146,775; Feb. 21.
- Paint thinner or turpentine substitute. Pioneer Manufacturing Company. No. 141,869; Feb. 21.
- Palettes, Children's water-color. Wallbrunn, Kling & Co. No. 156,729; Feb. 21.
- Paper, Printing. S. D. Warren Company. No. 156,612; Feb. 21.
- Paper weights. S. C. Patchett. No. 154,417; Feb. 21.
- Papers, Pottery, lithographic, electrical, etc. Brittain's Limited. No. 153,637; Feb. 21.
- Peanuts, peanut butter and sandwiches, chocolate bars, Salted. E. T. Bunch. No. 148,692; Feb. 21.
- Pecans and pecan nut meats, Shelled. Shel-less Nut Co. No. 138,026; Feb. 21.
- Pencils of the propelled-lead type. Pencil Products Corporation. No. 158,093; Feb. 21.
- Pens, Fountain. Parker Pen Co. No. 157,956; Feb. 21.
- Perfumes, extracts, essences, aromatic compounds, etc. Henri Muraurol & Cie. Nos. 152,436-7; Feb. 21.
- Perfumes, toilet waters, etc. M. M. Richard vve. Grenoville. No. 145,195; Feb. 21.
- Perspiration deodorant. F. Trejo. No. 155,463; Feb. 21.
- Pharmaceutical preparations. J. M. Frost. No. 122,431; Feb. 21.
- Phonographs, phonograph records, player rolls. Pace Phonograph Corporation. No. 149,558; Feb. 21.
- Pianos and player pianos. Lauter-Humana Company. No. 148,497; Feb. 21.
- Pins, finger rings, etc. Scarf and bar. Continental Jewelry Company. No. 147,413; Feb. 21.
- Pins, lockets, et Scarf. Miles F. Bixler Company. No. 147,400; Feb. 21.
- Pipes and cases for pipes, Smoking. Reiss-Premier Pipe Company. No. 156,501; Feb. 21.
- Pipes, pipe fittings, etc. Metal. Gomez & Sloan, Inc. No. 153,397; Feb. 21.
- Piston rings. Scanlan and Hayes Piston Ring Company. No. 151,929; Feb. 21.
- Plaster composition. Miller Filler Co. No. 155,107; Feb. 21.
- Polish for furniture, automobiles, and pianos. Super Polish Co. No. 140,618; Feb. 21.
- Polishing preparation for floors, furniture, etc. Nicholson's (Newcastle-on-Tyne) Limited. No. 129,794; Feb. 21.
- Pomade. Mrs. G. W. Bendy. No. 155,547; Feb. 21.
- Powder and creams, perfumes, etc., Face. V. Vivaudou, Inc. No. 155,285; Feb. 21.
- Powder, Toilet. Comfort Powder Co. No. 152,832; Feb. 21.
- Preparation for cleaning the hands, rugs, woodwork, etc. N. T. Pool. No. 155,317; Feb. 21.
- Preparation for the extermination of vermin. Zo-No Company. No. 153,965; Feb. 21.
- Preparation for the treatment of pyorrhea. G. I. Branower. No. 154,428; Feb. 21.
- Preparation for the treatment of rheumatism. H. Adams. No. 155,383; Feb. 21.
- Preparation for the treatment of rheumatism, gout, sciatica, etc. W. H. Hughes. No. 155,348; Feb. 21.
- Publications, Monthly. E. H. Ahrens. No. 154,173; Feb. 21.
- Putty. Baker Paint & Varnish Co. No. 157,876; Feb. 21.
- Radiator sealing material. Rade Rite Mfg. Co. No. 154,381; Feb. 21.
- Refrigerating apparatus, Artificial-ice machinery. E. A. Burrows. No. 156,878; Feb. 21.
- Refrigerators. J. Rose & Co. No. 157,589; Feb. 21.
- Rope, Manila, sisal, wire, and marine covered. Ajax Rope Company. No. 155,472; Feb. 21.
- Rubber belting and hose. Manhattan Rubber Mfg. Co. No. 146,025; Feb. 21.
- Rubber goods, Patches for. Porteous Products Corp., Inc. No. 155,116; Feb. 21.
- Rugs, lap robes, overcoating, Steamer and sanitarium. F. C. Huyck & Sons. No. 118,265; Feb. 21.
- Salve for wounds. F. K. Lewinski. No. 153,818; Feb. 21.
- Salve for wounds, sores, etc. L. Bellaire. No. 155,476; Feb. 21.
- Salve, medicated cream. J. X. Chemical Company. No. 155,350; Feb. 21.
- Shoes, Leather. Edmonds Shoe Company. No. 157,310; Feb. 21.
- Silks, linens, shirtings, etc. Broad. Schwarzenbach, Huber Company. No. 154,667; Feb. 21.
- Sirups and fruit juices used in making beverages. Utica Flavor & Extract Co. No. 123,945; Feb. 21.
- Sirups for soda fountains, Maltless beverage. Buzz Syrup Co. No. 129,622; Feb. 21.
- Soap. Bauer & Black. No. 155,593; Feb. 21.
- Soap. G. C. Field. No. 150,892; Feb. 21.
- Soap. Procter and Gamble Company. No. 156,295; Feb. 21.
- Soap. Scotch-Tone Company. No. 155,420; Feb. 21.
- Soap, Toilet. Commercial Soap Company. No. 156,568; Feb. 21.
- Soaps. Colgate & Company. No. 156,079; Feb. 21.
- Soaps. Colgate & Company. No. 156,082; Feb. 21.
- Soaps, Toilet. Cheramy, Incorporated. No. 157,022; Feb. 21.
- Spark intensifiers. S. O. S. Ignition Company. No. 147,052; Feb. 21.
- Specific, Blood. M. M. Shuttles. No. 155,778; Feb. 21.
- Stepping, finish, ceiling, drop siding, etc., all made from wood. Bloedel Donovan Lumber Mills. No. 140,983; Feb. 21.
- Tablets or powders, Semilaxatives. W. A. Tichenor. No. 154,160; Feb. 21.
- Temperature-registering devices. F. D. Windell. No. 153,488; Feb. 21.
- Tire-tube patches. F. H. Binninger. No. 152,062; Feb. 21.
- Tires, inner tubes, tire casings, and shoes, and repair parts, Vehicle. Ideal Tire and Rubber Co. No. 155,967; Feb. 21.
- Tires, Resilient vehicle. Kelly-Springfield Tire Company. No. 153,142; Feb. 21.
- Tires, Rubber. Hudson Tire Co. No. 151,914; Feb. 21.
- Tires, Rubber inner tubes for automobile. Sam Bretch Wholesale Specialties. No. 148,694; Feb. 21.
- Title and identification certificate. Security Certificate Company. No. 138,522; Feb. 21.
- Tonic, and blood purifier. A. M. Edwards. No. 154,017; Feb. 21.
- Tooth paste. J. C. Hudson. No. 155,561; Feb. 21.
- Tooth paste. San Aprove Company. No. 154,094; Feb. 21.
- Transits and levels. Young & Sons. Nos. 155,531-2; Feb. 21.
- Traps, fur rugs, Mouse, rat, and animal. American Wholesale Corporation (Baltimore Bargain House.) No. 123,097; Feb. 21.
- Trucks and trailers, Automotive. Yale & Towne Mfg. Co. No. 156,127; Feb. 21.
- Varnishes. Berry Brothers. No. 157,979; Feb. 21.
- Violin strings. C. Fischer. No. 148,538; Feb. 21.
- Wagons, coasters, and scooters, Children's convertible. C. Huseman. No. 153,932; Feb. 21.
- Washboards. National Washboard Company. No. 152,630; Feb. 21.
- Washers and sterilizers, wringers, starchers, etc., Laundry. American Laundry Machinery Company. No. 139,243; Feb. 21.
- Washing compound. Wilson-Imperial Company. No. 152,155; Feb. 21.
- Washing machines, Laundry. Almetal Manufacturing Company. No. 141,478; Feb. 21.
- Washing machines, Laundry. Bell Washer and Wringer Company. No. 144,375; Feb. 21.
- Watches. W. J. Bernard. No. 155,009; Feb. 21.
- Watches and watch movements. Elgin National Watch Company. No. 153,971; Feb. 21.
- Waterproofed textile fabrics. Edward McConnell & Co. No. 123,706; Feb. 21.
- Waters, Natural mineral. Societe Generale des Eaux Minerales de Vittel. No. 156,930-1; Feb. 21.
- Welding material. Chicago Steel and Wire Company. No. 154,400; Feb. 21.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 21, 1922.

NOTE.—First number=class, second number=subclass, third number=patent number.

1— 8.1: 1,407,295 26: 1,407,000 32: 1,406,990 50: 1,406,974	2— 54: 1,407,459 67: 1,407,342 95: 1,407,658 106: 1,407,625 144: 1,407,390 1,407,625 145: 1,407,319 2: 1,407,399 5: 9: 1,407,234 12: 1,407,631 2: 1,407,244 8: 18: 1,407,285 1,407,387 10— 125: 1,407,058 154: 1,407,485 12— 21: 1,407,128 30: 1,407,037 50: 1,407,182 67: 1,407,337 106: 1,407,294 136: 1,407,321 1,407,050 13— 9: 1,407,686 15— 12: 1,407,122 13: 1,407,674 26: 1,407,090 39: 1,407,214 41: 1,407,676 56: 1,407,123 59: 1,407,605 60: 1,407,053 87: 1,407,130 229: 1,406,966 253: 1,407,672 2: 1,407,171 16— 126: 1,407,167 193: 1,407,055 4: 1,407,193 18— 5.3: 1,407,130 8: 1,407,280 16: 1,407,089 42: 1,407,682 45: 1,407,355 56: 1,407,649 57: 1,407,075 7: 1,407,500 19— 9: 1,407,364 12: 1,407,685 32: 1,407,555 93: 1,407,504 113: 1,407,170 20— 1: 1,407,322 2: 1,407,462 3: 1,407,260 6: 1,407,679 11: 1,407,536 22: 1,407,064 50: 1,407,503 56.4: 1,407,573 95: 1,407,277 22— 2: 1,407,615 196: 1,407,484 23— 1: 1,407,530 10: 1,407,323 13: 1,407,441 29: 1,407,588 24— 11: 1,407,474 19: 1,407,583 1,407,650 73: 1,407,438 123: 1,407,370 126: R. 15, 290 129: 1,407,406 135: 1,407,326 1,407,477 138: 1,407,344 191: 1,406,971 218: 1,407,687 225: 1,406,995 226: 1,407,482 230: 1,407,185 249: 1,407,025 265: 1,407,291	25— 3: 1,407,550 118: 1,407,196 127: 1,407,569 131.5: 1,407,246 142: 1,407,192 151: 1,407,288 28— 2: 1,407,378 29— 69: 1,407,439 87.1: 1,407,362 96: 1,407,478 156.5: 1,407,202 30— 3: 1,407,521 10: 1,407,652 12: 1,407,638 14: 1,407,446 31— 101: 1,407,034 32— 9: 1,407,557 33— 15: 1,407,228 56: 1,407,208 83: 1,407,106 137: 1,407,429 204: 1,407,182 34— 4: 1,406,991 12: 1,407,081 26: 1,407,067 48: 1,407,154 36— 35: 1,407,506 45: 1,407,661 37— 24: 1,407,559 25: 1,407,189 40: 1,407,683 57: 1,406,993 50: 1,407,062 10: 1,407,085 1,407,507 21: 1,407,144 52: 1,407,564 125: 1,407,548 141: 1,407,345 148: 1,407,497 158: 1,407,177 41— 5.5: 1,407,150 20: 1,407,498 22: 1,407,461 42: 1,407,302 43: 1,407,301 42— 50: 1,407,633 57: 1,407,166 43— 8: 1,407,096 69: 1,407,559 44— 7: 1,407,101 19: 1,407,279 45— 2: 1,407,656 18: 1,407,149 26: 1,407,039 31: 1,407,405 1,407,463 52: 1,407,309 104: 1,407,447 9: 1,407,512 14: 1,407,621 22: 1,407,084 37: 1,407,410 40: 1,407,093 1,407,165 1,407,270 1,407,451 1,407,584 59: 1,407,109 1,407,215 61: 1,407,027 63: 1,407,223 67: 1,407,645 69: 1,407,642 47— 19: 1,407,664 27: 1,407,125 31: 1,407,139 4: 1,407,141 180: 1,407,476 1,407,494 192: 1,407,610 3: 1,407,303 51— 170: 1,407,381 1,407,475 198: 1,407,190	51— 259: 1,407,455 52— 3: 1,406,977 53— 6: 1,407,131 9: 1,407,088 54— 28: 1,407,495 55— 24: 1,407,407 62: 1,407,647 65: 1,407,232 118: 1,407,417 396: 1,407,663 56— 377: 1,406,970 58— 68: 1,407,231 59— 90: 1,407,043 60— 53: 1,407,407 61— 67: 1,407,375 64— 22: 1,407,587 25: 1,407,186 91: 1,407,299 1,407,617 92: 1,407,445 99: 1,407,032 102: 1,407,361 65— 12: 1,407,102 1,407,371 66— 4: 1,407,012 1,407,343 21: 1,407,884 67— 6.1: 1,407,225 10.1: 1,407,143 20.1: 1,407,142 70— 18: 1,407,273 46: 1,407,472 105: 1,407,267 1,407,269 1,407,312 72— 41: 1,407,349 1,406,989 53: 1,407,038 51: 1,407,377 54: 1,407,627 82: 1,407,388 120: 1,407,220 122: 1,407,172 151: 1,407,068 167: 1,407,060 74— 14: 1,406,965 1,407,236 26: 1,407,293 34: 1,407,643 39: 1,407,561 40: 1,407,160 59: 1,407,226 64: 1,407,598 83: 1,407,458 105: 1,407,132 1,407,203 106: 1,407,513 108: 1,407,602 1,407,667 109: 1,407,602 17: 1,407,045 75— 1: 1,407,525 1,407,372 18: 1,407,324 76— 5: 1,407,286 33: 1,407,168 101: 1,407,470 104: 1,407,127 77— 2: 1,407,031 7: 1,407,348 22: 1,407,059 58: 1,407,328 70: 1,407,546 75: 1,407,560 78— 15: 1,407,148 80— 42: 1,407,169 54: 1,407,334 81— 3: 1,407,292 3.1: 1,407,632 10: 1,407,276 33: 1,406,981 83: 1,407,577 111: 1,407,238 117: 1,407,578 139: 1,407,152 156: 1,407,360 157: 1,407,528	81— 177: 1,407,110 82— 4: 1,407,015 14: 1,407,419 19: 1,407,515 83— 11: 1,407,330 38: 1,407,601 71: 1,407,051 80: 1,407,229 11: 1,407,434 269: 1,407,108 471: 1,406,960 85— 2.4: 1,407,570 28: 1,407,641 49: 1,407,582 5: 1,407,297 88— 16.8: 1,407,505 17: 1,406,973 1,407,083 48: 1,407,616 54: 1,407,176 89— 40: 1,407,567 90— 4: 1,406,985 91— 3: 1,407,116 12.6: 1,407,067 31: 1,407,241 47: 1,407,026 50: 1,407,612 60: 1,407,011 92— 38: 1,407,398 40: 1,407,247 54: 1,407,409 93— 36: 1,407,331 61: 1,407,206 95— 81: 1,407,029 97— 25: 1,407,133 44: 1,407,635 46: 1,407,240 50: 1,407,394 98— 3: 1,407,179 99— 6: 1,407,191 8: 1,407,400 100— 9: 1,407,162 31: 1,407,481 101— 26: 1,407,056 32: 1,407,611 175: 1,407,087 415: 1,407,100 102— 3: 1,407,653 10: 1,407,157 28: 1,407,532 44: 1,407,496 1,407,620 80: 1,407,493 95: 1,407,041 45: 1,407,003 162: 1,407,253 172: 1,407,673 260: 1,407,396 150: 1,406,987 136: 1,407,452 230: 1,407,551 366: 1,407,593 1,407,594 1,407,695 1,407,596 394: 1,407,399 430: 1,407,592 8: 1,407,194 34: 1,407,608 106— 22: 1,407,016 28: 1,407,457 66: 1,407,304 12: 1,407,250 13: 1,406,980 75: 1,407,516 177: 1,407,222 111— 33: 1,407,097 112— 80: 1,407,609 209: 1,407,023 214: 1,406,984 219: 1,407,367 235: 1,407,183 261: 1,407,114 113— 1: 1,407,676	113— 33: 1,407,001 80: 1,407,316 1,407,317 99: 1,407,188 112: 1,407,366 115— 37: 1,407,261 1,407,262 116— 41: 1,407,444 43: 1,407,199 114: 1,407,063 22: 1,407,359 42: 1,407,671 61: 1,407,404 120— 46: 1,407,552 101: 1,407,563 5: 1,407,599 6: 1,407,589 8: 1,407,590 9: 1,407,591 122— 225: 1,407,282 360: 1,407,217 123— 11: 1,407,094 44: 1,407,426 1,407,659 55: 1,407,336 59: 1,406,979 1,407,993 65: 1,407,585 1,407,586 74: 1,407,468 79: 1,407,644 90: 1,406,985 149: 1,407,099 171: 1,407,519 180: 1,407,356 195: 1,407,453 125— 1: 1,406,999 126— 116: 1,407,411 288: 1,407,310 292: 1,407,251 9: 1,406,967 23: 1,406,992 25: 1,407,052 5: 1,407,057 6: 1,407,274 131— 6: 1,407,220 132— 13: 1,407,660 83: 1,407,140 133— 8: 1,406,958 1: 1,406,958 134— 24: 1,407,074 46: 1,407,662 47: 1,407,534 56: 1,407,469 135— 4: 1,407,040 15: 1,407,153 52: 1,407,135 103: 1,407,136 139: 1,407,670 152: 1,407,049 153: 1,407,575 17: 1,407,146 139— 64: 1,407,121 93: 1,407,435 102: 1,407,184 141— 1: 1,406,968 2: 1,407,382 32: 1,407,622 90: 1,407,112 114: 1,407,520 225: 1,407,021 6: 1,407,325 13: 1,407,501 148— 13: 1,407,254 1: 1,407,255 19: 1,407,531 6: 1,407,449 150— 34: 1,407,310 4: 1,407,522 10: 1,407,070 13: 1,407,401 14: 1,407,293 16: 1,406,962 1,407,529	152— 21: 1,407,467 1,407,546 22: 1,407,178 24: 1,407,306 50: 1,407,669 51: 1,406,961 1: 1,407,163 2: 1,407,655 14: 1,407,197 45.9: 1,406,967 46: 1,407,197 155— 10: 1,407,408 52: 1,407,433 194: 1,407,403 10: 1,407,248 22: 1,407,251 26: 1,407,624 38: 1,407,129 158— 27.4: 1,407,396 36: 1,407,204 1,407,374 45.5: 1,407,422 60: 1,407,293 73: 1,407,511 104: 1,407,346 118: 1,407,098 159— 85: 1,407,423 164— 23: 1,407,161 44: 1,407,151 78: 1,407,268 111: 1,407,257 2: 1,407,562 6: 1,407,092 167— 6: 1,407,379 170— 62: 1,407,373 109: 1,407,623 163: 1,407,080 1,407,271 1,407,272 171— 95: 1,407,147 267: 1,407,421 313: 1,407,383 36: 1,407,508 30: 1,407,061 183: 1,407,069 364: 1,407,363 177— 327: 1,407,471 351: 1,407,078 178— 44: 1,406,998 1: 1,407,028 71: 1,407,042 81: 1,407,572 179— 170: 1,407,604 171: 1,407,046 1,407,245 180— 1: 1,407,048 11: 1,407,597 14: 1,407,243 77: 1,407,606 32: 1,407,539 7: 1,407,311 184— 7: 1,407,442 27: 1,407,096 41: 1,407,556 9: 1,407,124 58: 1,407,192 60: 1,407,385 188— 32: 1,407,335 45: 1,407,332 85: 1,407,387 100: 1,407,320 122: 1,407,542 171: 1,407,207 187: 1,407,126 1,407,413 203: 1,407,628 249: 1,407,385 189— 31.5: 1,407,540 37: 1,407,242 64: 1,407,314 76: 1,407,549 191— 12: 1,407,119 1,407,120 59.1: 1,407,010 60.3: 1,407,353 58: 1,407,354
--	--	---	---	---	--	--

CLASSIFICATION OF PATENTS.

192— 67: 1,407,115	208— 101: 1,407,218	224— 29: 1,407,300	242— 66: 1,407,376	257— 211: 1,407,666	280— 164: 1,407,514
193— 41: 1,407,211	210— 6: 1,407,389	1,407,580	84.6: 1,407,537	243: 1,407,013	166: 1,407,517
49: 1,407,391	18: 1,407,499	226— 8: 1,407,448	95: 1,407,533	259— 68: 1,407,044	281— 1: 1,407,239
53: 1,407,571	99: 1,407,264	13: 1,407,581	146: 1,407,175	112: 1,407,618	283— 9: 1,407,256
55: 1,407,173	171: 1,407,397	22: 1,407,104	214— 12: R. 15, 291	144: 1,407,201	49: 1,407,095
196— 3: 1,407,339	211— 9: 1,407,107	88.1: 1,406,963	15: 1,407,079	261— 62: 1,407,024	60: 1,407,443
5: 1,407,380	14: 1,407,181	1,407,505	1,407,505	1,407,155	285— 58: 1,407,665
25: 1,407,340	29: 1,407,156	228— 40: 1,406,972	19: 1,407,437	123: 1,407,258	146: 1,407,335
31: 1,407,619	33: 1,407,639	229— 15: 1,407,073	29: 1,407,425	263— 9: 1,407,412	286— 36: 1,407,354
197— 6.6: 1,407,492	212— 138: 1,407,005	26: 1,407,483	30: 1,407,293	49: 1,407,456	287— 53: 1,407,568
133: 1,407,424	213— 17: 1,407,402	78: 1,407,212	1,407,414	50: 1,407,004	292— 44: 1,407,006
135: 1,407,440	67: 1,407,019	27: 1,407,275	246— 34: 1,407,287	265— 52: 1,407,224	54: 1,407,022
141: 1,407,071	1,407,365	33: 1,407,488	134: 1,407,289	267— 28: 1,407,640	175: 1,407,395
186: 1,407,509	214— 58: 1,407,329	34: 1,407,518	180: 1,407,065	53: 1,407,479	293— 54: 1,407,637
199— 85: 1,407,460	68: 1,407,486	7: 1,407,541	258: 1,407,209	270— 55: 1,407,646	55: 1,407,350
200— 22: 1,407,466	215— 3: 1,406,983	232— 418: 1,407,432	411: 1,407,454	271— 29: 1,407,318	294— 57: 1,407,237
26: 1,407,266	56: 1,407,008	234— 21: 1,407,352	450: 1,407,219	48: 1,406,978	91: 1,407,236
30: 1,407,284	100: 1,407,480	235— 61: 1,407,134	247— 6: 1,407,307	61: 1,406,969	296— 1: 1,407,174
44: R. 15, 289	1,407,630	1,407,281	1,407,308	1,407,565	33: 1,407,415
1,407,538	217— 15: 1,407,007	58: 1,407,009	248— 20: 1,407,464	2: 1,407,111	47: 1,407,278
60: 1,406,964	44: 1,407,487	9: 1,407,436	30: 1,407,263	1,407,523	93: 1,407,164
122: 1,407,315	218— 18: 1,407,576	84: 1,407,195	41: 1,407,490	9: 1,406,976	120: 1,407,118
130: 1,407,117	219— 25: 1,407,430	160: 1,407,566	63: 1,407,347	15: 1,407,090	140: 1,407,198
140: 1,407,020	38: 1,406,994	295: 1,407,677	65: 1,407,681	1,407,547	144: 1,407,091
165: 1,407,603	1,407,113	1,407,678	2: 1,406,996	25: 1,407,613	298— 23: 1,407,259
166: 1,407,416	1,407,285	336: 1,407,368	20: 1,407,103	27: 1,407,002	301— 39: 1,407,153
202— 8: 1,407,017	48: 1,406,988	3: 1,407,880	1,407,205	2: 1,407,145	64: 1,407,252
9: 1,407,018	220— 6: 1,407,054	6: 1,407,473	251— 145: 1,407,358	55: 1,407,213	111: 1,407,675
204— 5: 1,407,313	20: 1,407,614	48.4: 1,407,427	255— 8: 1,407,654	83: 1,407,668	302— 34: 1,407,510
15: 1,407,420	69: 1,407,066	52: 1,407,465	257— 39: 1,407,072	100: 1,407,327	42: 1,407,600
29: 1,407,035	47: 1,407,657	61: 1,407,544	43: 1,407,137	40: 1,407,235	304— 28: 1,407,651
38: 1,407,386	112: 1,407,333	78: 1,407,527	78: 1,407,014	94: 1,407,579	305— 9: R. 15, 288
1,407,489	223— 59: 1,407,636	1: 1,407,200	129: 1,407,428	154: 1,407,187	306— 20: 1,407,341
206— 44: 1,407,105	224— 7: 1,407,221	6: 1,407,082	130: 1,407,554		
1,407,526	25: 1,407,290	13: 1,407,033	132: 1,407,216		
208— 41: 1,407,648	29: 1,407,158	46.6: 1,406,975	208: 1,406,982		

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF FEBRUARY, 1922.

NOTE.—Arranged in accordance with the first significant character or word of the name. (In accordance with city and telephone directory practice.)

- Academy Club Toy Making. (See Stewart, D. N., and Williams, assignors.)
- Action Gesellschaft für Anilin Fabrikation. (See Herzberg, W., and Scharfenberg, assignors.)
- Action Gesellschaft für Anilin Fabrikation. (See Lange, Werner, assignor.)
- Action Gesellschaft für Anilin Fabrikation. (See Schöner, B., and Siebert, assignors.)
- Adelmann, Hans, assignor to Ham Boiler Corporation, New York, N. Y. Hand-operated ham boiler. No. 1,408,153; Feb. 28.
- Akers, James O., Baltimore, Md. Automobile lock. No. 1,408,237; Feb. 28.
- Alkire, John L., Denver, Colo. License tag. No. 1,408,059; Feb. 28.
- Allen, Charles, El Paso, Tex. Settling and thickening device. No. 1,408,154; Feb. 28.
- Allen, Charles, El Paso, Tex. Closed grinding circuit. No. 1,408,155; Feb. 28.
- Alles, Conrad, Three Rivers, Calif. Traction wheel. No. 1,408,238; Feb. 28.
- Allingham, James, Chicago, Ill. Pop-up waste-valve mechanism. No. 1,408,239; Feb. 28.
- Allstatter, Edwin E., Hamilton, Ohio. Latch for sliding doors. No. 1,408,240; Feb. 28.
- American Bromine Company. (See Tobler, Henri, assignor.) (Reissue.)
- American Coke & Chemical Company. (See Lomax, Clarence S., assignor.)
- American Electrical Heater Company. (See Kuhn, F., Thomas, and Spiess, assignors.)
- American Magnesium Corporation. (See Seward, George O., assignor.)
- American Motor Patents Company. (See Morski, Thomas, assignor.)
- American Optical Company. (See Bugbee, Lucian W., assignor.)
- American Optical Company. (See Day, George H., assignor.)
- American Optical Company. (See Maynard, A. E., and Gunning, assignors.)
- American Production and Trading Company. (See Reichmann, Frank J., assignor.)
- American Ring Company. (See Swick, C. P., and Krantz, assignors.)
- American Road Machinery Company. (See Berry, Earl E., assignor.)
- American Steel Foundries. (See Peycke, Armand H., assignor.)
- American Telephone and Telegraph Company. (See Clark, A. B., and Crisson, assignors.)
- American Thermophone Company. (See Browne, T. C., and Brush, assignors.)
- Amthor, Edward M. (See Nye, V. W., and Amthor.)
- Andersen, Anders P., Providence, R. I. Automobile radiator. No. 1,408,060; Feb. 28.
- Anderson, Robert H., Ambler, Pa., assignor to Asbestos Shingle, Slate & Sheathing Company. Fiber cement composition and method and apparatus for forming same. No. 1,408,241; Feb. 28.
- Andren, Birger T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Movable platform for positioning special machines and tools. No. 1,408,156; Feb. 28.
- Arenberg, Albert L., Chicago, Ill. Reflector. No. 1,407,910; Feb. 28.
- Armstrong, Arthur C., Hammond, Ind. Process of and apparatus for the distillation of oil. No. 1,408,242; Feb. 28.
- Armstrong, Robert F., assignor to F. W. Pollman, Jr., La Cygne, Kans. Socket. No. 1,408,157; Feb. 28.
- Arnold, Charles E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making artificial leather and product thereof. No. 1,408,061; Feb. 28.
- Arnold, Samuel, 3d, Ben Avon, Pa. Collector lifting mechanism. No. 1,408,158; Feb. 28.
- Arrington, Samuel, New York, N. Y. Aeroplane safety device. No. 1,408,062; Feb. 28.
- Arteaga, Ignacio, San Antonio, Tex. Railway switch. No. 1,408,333; Feb. 28.
- Asbestos Shingle, Slate & Sheathing Company. (See Anderson, Robert H., assignor.)
- Asbury, William, assignor to Straight Line Regulator Corporation, New York, N. Y. Closure operator. No. 1,407,828; Feb. 28.
- Athimon, Francis, Paris, France. Machine for making split cotter pins, spring washers, thimbles, and like annular members. No. 1,408,063; Feb. 28.
- Austin, Walter M., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Tripping device. No. 1,408,243; Feb. 28.
- Auto-Ordance Corporation. (See Eickhoff, Theodore H., assignor.)
- Auto Specialties Manufacturing Co. (See Bair, Clarence L., assignor.)
- Ayres, Hiram D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire-testing method and machine. No. 1,408,159; Feb. 28.
- Bair, Clarence L., Detroit, assignor to Auto Specialties Manufacturing Co., St. Joseph, Mich. Vehicle top-bow holder. No. 1,408,160; Feb. 28.
- Bair, Clarence L., St. Joseph, Mich., assignor to Auto Specialties Manufacturing Co., San Francisco, Calif. Vehicle bow-top holder. No. 1,408,161; Feb. 28.
- Baker, Erle K., assignor to Baker Wheel & Rim Company, Chicago, Ill. Semiwood wheel for motor trucks. No. 1,407,829; Feb. 28.
- Baker, John F. L., assignor to The Wickes Boiler Company, Saginaw, Mich. Boiler. No. 1,408,244; Feb. 28.
- Baker Wheel & Rim Company. (See Baker, Erle K., assignor.)
- Baldwin Locomotive Works, The. (See Linton, Morris, assignor.)
- Ballewiteh, Nada G., executrix. (See Coressey, Theodore.)
- Balmer, Robert, Toronto, Ontario, Canada. Production of fertilizers. No. 1,408,064; Feb. 28.
- Banton, George R., Butternut, Mich. Container. No. 1,407,688; Feb. 28.
- Barashick, Aaron, New York, N. Y. Bedstead. No. 1,408,245; Feb. 28.
- Barker, Edward L. (See Govard, W. H., Barker, and Jenkins.)
- Barker, William R. (See Raber, Harry C., assignor.)
- Barr, Clifford A., Lincoln, Nebr. Concrete mold. No. 1,408,246; Feb. 28.
- Barratt, Haentjens & Company. (See Haentjens, Otto, assignor.)
- Barrett Company, The. (See Reeve, Charles S., assignor.)
- Barrett, Thomas P., St. Louis, Mo. Game. No. 1,408,065; Feb. 28.
- Barron, Garratt. (See Garratt, S., Barron, and Garratt.)
- Barrows, Donald S., Rochester, assignor to The T. H. Symington Company, New York, N. Y. Cheek plate. No. 1,407,978; Feb. 28.
- Barth, Karl, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Self-unloading car. No. 1,408,334; Feb. 28.
- Barfoss, Joseph A., Salem, Oreg. Hammer. No. 1,408,162; Feb. 28.
- Basher, Richard T., Giroux Lake, Ontario, Canada. Can-piercing tool. No. 1,407,830; Feb. 28.
- Basle, Charles L., Los Angeles, Calif. Gasoline feed for internal-combustion engines. No. 1,408,163; Feb. 28.
- Batenburg, Peter J. F., Clintonville, Wis. Driving and steering axle. No. 1,407,911; Feb. 28.
- Bates, George E., Syracuse, N. Y. Direction indicator for vehicles. No. 1,407,831; Feb. 28.
- Bates, Henry L., Boston, Mass. Foldable rack. No. 1,407,912; Feb. 28.
- Batterson, Clyde A., Hastings, Nebr. Weed exterminator. No. 1,407,689; Feb. 28.
- Bauer, Gustavus A., Chicago, Ill., assignor to Hugro Manufacturing Company, Warsaw, Ind. Brush construction. No. 1,407,913; Feb. 28.
- Bauert, William H., Roseville, near Sydney, New South Wales, Australia. Signal means for automobiles for indicating their direction of route or stoppage. No. 1,408,335; Feb. 28.
- Bauwens, Seraphine F., Chicago, Ill., assignor to Wire-bounds Patents Company, Kittery, Me. Wirebound-box machine. No. 1,408,336; Feb. 28.
- Beadle, Blanche E., assignor of one-half to R. A. Beadle, Springfield, Mass. Hair-clasping device. No. 1,408,247; Feb. 28.
- Beadle, Russell A. (See Beadle, Blanche E., assignor.)
- Beardsley, Elmer O., Chicago, and W. F. Piper, Oak Park, Ill., assignors to The Beardsley & Piper Company, Chicago, Ill. Machine for making molds. (Reissue.) No. 15,292; Feb. 28.
- Beardsley & Piper Company, The. (See Beardsley, Elmer O. and Piper, assignors.) (Reissue.)

- Beattie, William T. (See Mellett, L., and Curran, assignors.)
- Beddingfield, John A., Fort Valley, Ga. Automobile tire rim. No. 1,408,164; Feb. 28.
- Beddingfield, John A., Fort Valley, Ga. Automobile tire rim. No. 1,408,165; Feb. 28.
- Bee, William E., assignor to Palmer-Bee Company, Detroit, Mich. Trolley. No. 1,408,248; Feb. 28.
- Beiswenger, Karl H., Jackson, Mich. Take-up device for moving picture film reels. No. 1,408,249; Feb. 28.
- Belden, Edward H., assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio. Vehicle spring suspension. No. 1,407,914; Feb. 28.
- Belden, Edward H., assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio. Spring suspension for motor vehicles. No. 1,407,915; Feb. 28.
- Belden, Edward H., assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio. Spring suspension. No. 1,407,916; Feb. 28.
- Belden, Edward H., assignor to The Willys-Overland Company, Toledo, Ohio. Spring suspension for vehicles. No. 1,407,917; Feb. 28.
- Benedict, T. N., Mfg. Co. (See Hatzung, Alexander, assignor.)
- Berlin, Harry, New York, N. Y. Stop motion. No. 1,408,250; Feb. 28.
- Bernard, Pierre J. H., Montreal, Quebec, Canada. Electric heating element. No. 1,407,918; Feb. 28.
- Bernard, William A., assignor to The William Schollhorn Company, New Haven, Conn. Hand tool. No. 1,407,780; Feb. 28.
- Bernecker, George E., assignor to Standard Accessory Corporation, Milwaukee, Wis. Needle or stylus. No. 1,408,337; Feb. 28.
- Berry, Charles A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Machine for duplicating keys. No. 1,408,166; Feb. 28.
- Berry, Earl E., assignor to American Road Machinery Company, Inc., Kennett Square, Pa. Sand-settling box. No. 1,407,919; Feb. 28.
- Berry, Mae. (See Berry, William G. and M.)
- Berry, Wilbur F., Chicago, Ill. Wheelbarrow. No. 1,407,690; Feb. 28.
- Berry, William G. and M., Cleveland, Ohio. Internal-combustion-engine piston. No. 1,408,066; Feb. 28.
- Beselin, Raymond L., Omaha, Nebr. Smoker's pipe. No. 1,408,251; Feb. 28.
- Biersdorf, Herman R. (See Hunt, T., and Biersdorf.)
- Bieuville, Marcel, Bellevue, France. Drawing apparatus utilizing parallel movements. No. 1,408,252; Feb. 28.
- Bibler, Albert E., Omaha, Nebr. Traction appendage for wheel tires. No. 1,407,832; Feb. 28.
- Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Machine for making battery jars and other hard-rubber receptacles. No. 1,407,979; Feb. 28.
- Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Machine for making battery jars. No. 1,407,980; Feb. 28.
- Bittaker, Harvey J., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Expandable core for vulcanizing tires. No. 1,407,718; Feb. 28.
- Black, C. H., et al. (See Gunn, Charles H., assignor.)
- Blackburn, Jasper, Webster Groves, Mo. Earth anchor. No. 1,407,920; Feb. 28.
- Blaine, Joseph R., assignor to Miehle Printing Press & Manufacturing Co., Chicago, Ill. Cylinder-trip mechanism. No. 1,408,067; Feb. 28.
- Blank, George A., New York, N. Y. Scrubbing device. No. 1,408,253; Feb. 28.
- Blinkilde, Jens, Detroit, Mich. Valve grinder. No. 1,408,254; Feb. 28.
- Bliss, E. W., Company. (See Klocke, W., assignor.)
- Bliven, Chester A., and C. F. Moyer, Pueblo, Colo. Dirigible headlight for automobiles. No. 1,408,068; Feb. 28.
- Blood, Bryant H., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Gauge block. No. 1,407,833; Feb. 28.
- Blumenthal, Charles. (See Crosby, Gorham, assignor.)
- Boardman, Charles S., Buffalo, assignor to Lackawanna Steel Company, Lackawanna, N. Y. Composite sheet piling. No. 1,408,069; Feb. 28.
- Bockover, Walter L., assignor of one-third to J. W. McNamara and one-third to H. J. O'Neill, Tipton, Ind. Pipe wrench. No. 1,407,691; Feb. 28.
- Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Demand meter. No. 1,408,255; Feb. 28.
- Boehl, Mary J., Cheney, Wash. Cooking utensil. No. 1,408,256; Feb. 28.
- Boehringer, John A., New York, N. Y. Finger-tip protector. No. 1,408,070; Feb. 28.
- Böhm, Fritz, Rothenbach, Germany. Alarm device for locomotives. No. 1,408,257; Feb. 28.
- Bolenbaugh, Burton R., C. Bolenbaugh, R. S. Bolenbaugh, and L. W. Long, Jackson, Mich., assignors of one-sixth to A. Paulson, New York, N. Y., one-sixth to L. W. Long, Jackson, Mich., one-sixth to H. E. Keeler, Ann Arbor, Mich., one-sixth to L. H. Flynn, Albany, N. Y., one-third to B. R. Bolenbaugh, C. Bolenbaugh, and R. S. Bolenbaugh. Wheel construction. No. 1,408,258; Feb. 28.
- Bolenbaugh, Cyrus. (See Bolenbaugh, Burton R., C., and H. S., and Long.)
- Bolenbaugh, Ray S. (See Bolenbaugh, Burton R., C., and R. S., and Long.)
- Bond, Loren C., Washington, D. C. Weather strip for doors and windows. No. 1,407,921; Feb. 28.
- Boner, Hans, Madulein, Switzerland. Cleaving wedge. No. 1,407,719; Feb. 28.
- Bostaph Engineering Corporation. (See Ramage, Alexander S., assignor.)
- Bouillon, Constant, assignor to Hende Machine Company, Torrington, Conn. Machine-tool-driving mechanism. No. 1,407,834; Feb. 28.
- Bovard, William H., E. L. Barker, and C. S. Jenkins, Los Angeles, Calif., said Barker assignor to said Bovard and said Jenkins. Bumper bracket. No. 1,407,835; Feb. 28.
- Bowles, Byron E. and M. E., Council Bluffs, Iowa. Door check. No. 1,408,338; Feb. 28.
- Bowles, Myron E. (See Bowles, Byron E. and M. E.)
- Boyce, Harrison H., Forest Hills, N. Y. Temperature-indicating instrument for automobile engines. No. 1,408,259; Feb. 28.
- Boyett, Oren K., Doucette, Tex. Bill file or article holder. No. 1,407,720; Feb. 28.
- Boyette, Oren K., Doucette, Tex. Article holder or stand. No. 1,407,721; Feb. 28.
- Bradshaw, William M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric measuring instrument. No. 1,408,071; Feb. 28.
- Braun, William A., Dover, Ohio. Electric soldering iron. No. 1,407,722; Feb. 28.
- Breen, John F., Hingham Center, Mass. Sliding hinged last. No. 1,407,723; Feb. 28.
- Brehmer, Carl F., Philadelphia, Pa. Trick fan. No. 1,407,836; Feb. 28.
- Bremer, Russell H., Reading, Pa., assignor of one-third to G. H. Rice, Arlington, Vt. Refrigerator. No. 1,408,260; Feb. 28.
- Bretos y Claveria, Manuel, Sanitago de Cuba, Cuba. Folding door and shutter. No. 1,408,076; Feb. 28.
- Brewington, Henry S., Baltimore, Md. Hair curler. No. 1,407,981; Feb. 28.
- Brilhart, Samuel B., New York, N. Y. Car truck. No. 1,408,167; Feb. 28.
- Briscoe Devices Corporation. (See Briscoe, Frank, assignor.)
- Briscoe, Frank, assignor to Briscoe Devices Corporation, Pontiac, Mich. Carburetor. No. 1,408,072; Feb. 28.
- Brooker, Howard H., New York, N. Y. Tank-closure lock. No. 1,407,922; Feb. 28.
- Brookhart, Charles B., Cleveland Heights, Ohio. Holder for clotheslines and the like. No. 1,408,261; Feb. 28.
- Brower, Morland A. (See Wegner, William F., assignor.)
- Brown, Charles A., et al. (See Earl, George G., assignor.)
- Brown, Guy B., Gardner, Mass. Machine for shaping articles. No. 1,407,724; Feb. 28.
- Brown, Hiram F., assignor of one-third to L. E. Brown and one-third to Peter B. Hansen, Minneapolis, Minn. Automobile electric hood heater. No. 1,407,725; Feb. 28.
- Browne, L. E., et al. (See Brown, Hiram F., assignor.)
- Browne, Theodore C., Belmont, Mass., and C. F. Brush, Jr., Cleveland, Ohio, assignors to American Thermophone Company, Boston, Mass. Thermophone and making it. No. 1,407,726; Feb. 28.
- Bruback, Theodore M. (See Linaker, F. W., and Bruback.)
- Brueck, Joseph, and N. Salter, New York, N. Y. Fountain comb. No. 1,408,262; Feb. 28.
- Brun, Gaëtan, Paris, France. Self-propelling travelling crane. No. 1,408,263; Feb. 28.
- Brunswick-Balke-Collender Company, The. (See Bishop, Joseph W., assignor.)
- Brush, Charles F., Jr. (See Browne, T. C., and Brush.)
- Bryant Electric Company, The. (See Catlin, Hoyt, assignor.)
- Bryant, Frank E. (See Loy, William C., assignor.)
- Buck, Abton A., Zurich, Switzerland. Thermostatic circuit closer. No. 1,408,168; Feb. 28.
- Buck, Frank S., Springfield, Vt., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me. Last lathe. No. 1,407,727; Feb. 28.
- Buck, Herman J., assignor to Mathews Gravity Carrier Company, Ellwood City, Pa. Conveying apparatus. No. 1,407,923; Feb. 28.
- Buckingham, Earle, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Thread-milling hob and making same. No. 1,407,837; Feb. 28.
- Buckminster, Ira C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating apparatus. No. 1,407,729; Feb. 28.
- Buften, Frank H. (See Ott, H. N., and Buften.)
- Bugbee, Lucian W., Indianapolis, Ind., assignor to American Optical Company, Southbridge, Mass. Protractor. No. 1,408,339; Feb. 28.
- Bunnell, Arthur C., et al. (See Parsons, John H., assignor.)
- Burgess Battery Company. (See Schnite, Walter B., assignor.)
- Burgess, George F. (See Burgess, John W. and G. F.)
- Burgess, John W. and G. F., Kansas City, Mo. Inner-tube cushion. No. 1,407,730; Feb. 28.
- Burkhard, Frederick A., New York, N. Y. Scale. No. 1,408,264; Feb. 28.
- Burns, Robert L., Taft, Calif. Well-drilling apparatus. No. 1,407,924; Feb. 28.

- Burns, Thomas J., Detroit, Mich., assignor to W. P. Murphy, Chicago, Ill. Car-coupling uncoupling mechanism. No. 1,407,925; Feb. 28.
- Burrell, Austin R., Brooklyn, N. Y. Snap fastener. No. 1,408,073; Feb. 28.
- Burson Knitting Company. (See Carlson, Jahan G., assignor.)
- Butterfield, Daniel J., Los Angeles, Calif. Beverage-vending machine. No. 1,407,838; Feb. 28.
- Byers, Joseph J., Brookline, Mass., assignor, by mesne assignments, to Rajet Company. Footwear and making the same. No. 1,408,265; Feb. 28.
- Calhoun, Chas., et al. (See Werts, William D., assignor.)
- Campbell, Charles E., Lynn, Mass. Ball bearing. No. 1,408,266; Feb. 28.
- Campbell, George W., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,407,982; Feb. 28.
- Carlson, Axel W., assignor to Coppus Engineering and Equipment Company, Worcester, Mass. Valve. No. 1,408,340; Feb. 28.
- Carlson, Jahan G., assignor to Burson Knitting Company, Rockford, Ill. Tension device. No. 1,407,731; Feb. 28.
- Carroll, Clarence W. (See Nichols, E. B., and Carroll.)
- Case, Arthur F., assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Car dumper. No. 1,407,926; Feb. 28.
- Case, Francis M., Cleveland, assignor to The Hoover Suction Sweeper Company, New Berlin, Ohio. Suction sweeper. No. 1,408,074; Feb. 28.
- Case, J. I., Plow Works Company. (See Hendrickson, Robert O., assignor.)
- Caterini, Rocco, Archbald, Pa. Arch support. No. 1,408,267; Feb. 28.
- Catlin, Hoyt, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric appliance. No. 1,408,268; Feb. 28.
- Cavency, George, Oakland, Calif. Adjustable well-drilling bit. No. 1,407,927; Feb. 28.
- Chalfant, Cotter S., Chicago, Ill. Spark arrester for locomotives. No. 1,408,075; Feb. 28.
- Chamberlain, Wilbur L., Meriden, Conn. Sound-reproducing device. No. 1,407,928; Feb. 28.
- Cheney, Forest, assignor to Cheney Talking Machine Company, Chicago, Ill. Sound-reproducing machine. No. 1,407,781; Feb. 28.
- Cheney Talking Machine Company. (See Cheney, Forest, assignor.)
- Chicago Electric Sign Company. (See Knauber, Alexander M., assignor.)
- Christensen, Anton, Hooper, Nebr. Clutch holddown for Fordson tractor. No. 1,407,732; Feb. 28.
- Christensen, Christ, Kenosha, Wis. Drawer attachment for beds. No. 1,408,269; Feb. 28.
- Christiansen, Julius C., New York, N. Y. Marine vessel. No. 1,408,270; Feb. 28.
- Church, Isaac, and LeRoy Montgomery, assignors to The Isaac Church Expansion Bolt Company, East Norwalk, Conn. Expansion bolt. No. 1,407,782; Feb. 28.
- Cissell, Joseph M., Louisville, Ky. Bumper for automobiles. No. 1,407,783; Feb. 28.
- Clark, Alva B., Brooklyn, N. Y., and G. Crisson, Hackensack, N. J., assignors to American Telephone and Telegraph Company. Method of and means for determining unbalance. No. 1,407,983; Feb. 28.
- Clark, Ernest G., assignor to Clark Orchestra Roll Company, De Kalb, Ill. Core reinforcement of music rolls. No. 1,407,784; Feb. 28.
- Clark, Joseph T. (See Randall, C. F., Clark, and Smith.)
- Clark Orchestra Roll Company. (See Clark, Ernest C., assignor.)
- Clarke, Henry D., Dallas, Tex. Gin-rib structure. No. 1,407,984; Feb. 28.
- Clausen, Henry P., Mount Vernon, and C. L. Goodrum, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,407,985; Feb. 28.
- Clay, Samuel B., assignor to Heine Safety Boiler Company, St. Louis, Mo. Reaming machine. No. 1,408,341; Feb. 28.
- Clinefelter, James C., and H. Ries, Barborton, Ohio. Manufacture of tires. No. 1,407,839; Feb. 28.
- Clinton, Frederick D., Milwaukee, Wis. Reaction spraying mechanism for dishwashing machines. No. 1,408,077; Feb. 28.
- Cole, Clary W., Modesto, Calif. Radiator construction. No. 1,407,929; Feb. 28.
- Cole, Robert C., assignor to The Johns-Pratt Company, Hartford, Conn. Electric safety fuse. No. 1,407,785; Feb. 28.
- Collins, James W., Somerville, Mass. Hayfork. No. 1,408,342; Feb. 28.
- Comstock, Clark S., Sr., East Orange, N. J. Garment buckle. No. 1,407,733; Feb. 28.
- Conrad, Charles T., et al. (See McDonald, Angus, assignor.)
- Conway, Wiley W., Humboldt, Ariz. Cotton gin. No. 1,408,343; Feb. 28.
- Cook, Arch M., and S. Mower, Spring Hill, Kans. Crankshaft-truing device. No. 1,408,078; Feb. 28.
- Cookson, William S., Taiping, Perak, Straits Settlements, assignor to L. M. Smith, Manuawai, Honolulu, Hawaiian Islands, Manufacturing neutral coconut oil. No. 1,407,930; Feb. 28.
- Coppus Engineering and Equipment Company. (See Carlson, Axel W., assignor.)
- Coressey, Theodore, also known as T. N. Koreossios, deceased, London, by N. G. Ballewitch, executrix, Barnes, England. Distance-measuring apparatus for vehicles. No. 1,407,986; Feb. 28.
- Corning Glass Works. (See Sullivan, E. C., and Taylor, assignors.)
- Corsan, John T., London, England. Paper weight and absorbent blotter. No. 1,408,344; Feb. 28.
- Cosgrove-Cosgrove Co. (See Cosgrove, Joseph J., assignor.)
- Cosgrove, Joseph J., Rutherford, N. J., assignor to Cosgrove-Cosgrove Co., New York, N. Y. Water-closet connection. No. 1,407,734; Feb. 28.
- Cossitt, Malcolm L., Alameda, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev. Manifold attachment for typewriters. No. 1,407,932; Feb. 28.
- Cossitt, Malcolm L., Alameda, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev. Manifold attachment for typewriters. No. 1,407,933; Feb. 28.
- Cossitt, Malcolm L., Alameda, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev. Manifold attachment for typewriters. No. 1,407,934; Feb. 28.
- Cossitt, Malcolm L., Alameda, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev. Manifold attachment for typewriters. No. 1,407,935; Feb. 28.
- Cossitt, Malcolm L., Alameda, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev. Manifold attachment for typewriters. No. 1,408,345; Feb. 28.
- Cossitt, Malcolm L., Alameda, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev. Manifold attachment for typewriting machines and the like. No. 1,407,931; Feb. 28.
- Couch, Bucl. (See Schnoor, Peter J. A., assignor.)
- Coughlin, Joseph D., New York, N. Y. Warning signal. No. 1,408,346; Feb. 28.
- Cowles, Alfred H., Swaren, N. J. Fertilizer. No. 1,408,169; Feb. 28.
- Craig Chemical Corporation. (See Craig, William E., assignor.)
- Craig, William E., Joplin, Mo., assignor, by mesne assignments, to Craig Chemical Corporation, Cleveland, Ohio. Treatment for venereal diseases. No. 1,408,170; Feb. 28.
- Crane, Samuel G., assignor to Toledo Scale Company, Toledo, Ohio. Indicator for weighing scales. No. 1,407,987; Feb. 28.
- Crisson, George. (See Clark, A. B., and Crisson.)
- Crompton, Randolph, and W. E. Woodman, Worcester, Mass., said Woodman assignor to said Crompton. Misthreading device for weft-replenishing looms. No. 1,408,171; Feb. 28.
- Crosby, Gorham, Glen Ridge, N. J., assignor to C. Blumenthal, New York, N. Y. Apparatus and method for separating matter from effluents. No. 1,407,936; Feb. 28.
- Cru Patents Corporation. (See Wenderhold, William, assignor.)
- Cruttenden, Henry L., Northfield, Minn. Dental parallel-cavity former. No. 1,407,840; Feb. 28.
- Cummings, Arthur W., Rockford, Ill. Watering tank and heater. No. 1,407,988; Feb. 28.
- Curran, Timothy. (See Mellett, L., and Curran.)
- Currie, John H., Webster, Mass. Tapeline holder. No. 1,408,347; Feb. 28.
- Curtis, Benjamin D., Philadelphia, Pa. Lumber drier. No. 1,407,786; Feb. 28.
- Cutler-Hammer Mfg. Co., The. (See Klein, Charles J., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Meyer, Friedrich W., assignor.)
- Dahl, Harry M., Yoakum, Tex. Oil burner. No. 1,408,271; Feb. 28.
- Daly, Webster J., Los Angeles, Calif. Automatic syringe filler. No. 1,408,272; Feb. 28.
- Dam, Andrew C., New York, N. Y. Demountable rim. No. 1,408,172; Feb. 28.
- Dam, Andrew C., New York, N. Y. Demountable rim. No. 1,408,173; Feb. 28.
- Dane, Christian H., Minneapolis, Minn. Equalizing device for spirometers. No. 1,407,841; Feb. 28.
- Daniel, Walter P., Austin, Tex. Bale marker. No. 1,407,735; Feb. 28.
- Dapron, Joseph M., St. Louis, Mo. Means for operating fare registers. No. 1,408,348; Feb. 28.
- Darrow, Leslie L., and F. W. Hoessel, Stockton, Calif. Locking means for demountable rims. No. 1,407,787; Feb. 28.
- Dautrick, Owen L., assignor of one-half to F. M. Sumner, Detroit, Mich. Door and operating mechanism therefor. No. 1,408,174; Feb. 28.
- Davis, Albert E., and S. Kew Gardens, N. Y. Display stand. No. 1,408,079; Feb. 28.
- Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Scraper loader system. No. 1,408,080; Feb. 28.
- Davis, Charles E., Battle Creek, Mich. Tackle block. No. 1,408,273; Feb. 28.
- Davis, Herbert C. (See Renshaw, C. E., and Davis.)
- Davis, John O., Minneapolis, Minn., and J. H. Stice, Tama, Iowa; said Stice assignor to said Davis. Legal-blank-vending machine. No. 1,407,842; Feb. 28.
- Davis, Simon. (See Davis, Albert E., and S.)
- Davock, Edward, New York, N. Y. Interposed water heater. No. 1,407,989; Feb. 28.
- Davock, Edward, New York, N. Y. Heating system. No. 1,407,990; Feb. 28.

ALPHABETICAL LIST OF PATENTEES.

- Day, George H., assignor to American Optical Company, Southbridge, Mass. Goggles. No. 1,408,349; Feb. 28.
- Dean, Anthony E. (See Winters, Robert E., assignor.)
- De Grib, John, Brooklyn, N. Y. Camphor holder for pianos. No. 1,407,788; Feb. 28.
- Dederling, Fred P., Kiel, Wis. Tractor hitch. No. 1,407,843; Feb. 28.
- Deems, Clarence O., Mission, Tex. Draft connection. No. 1,408,081; Feb. 28.
- De Laval Separator Company, The. (See Miller, Theodore H., assignor.)
- De Laval Separator Company, The. (See Snyder, Frank S., assignor.)
- De Laval Separator Company, The. (See Wright, Bert R., assignor.)
- De Laval Steam Turbine Company. (See Waller, Carl R., assignor.)
- Denis, Maurice, Paris, France. Machine for spinning, washing, and drying viscose threads. No. 1,408,350; Feb. 28.
- Deputy, Harry S., Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Co., Toledo, Ohio. Glass-cutting mechanism. No. 1,407,736; Feb. 28.
- Dewey, Maurice J., Houston, Tex. Constant-volume valve. No. 1,407,844; Feb. 28.
- Dewitt, Arthur W., Emeryville, Calif. Display shelf. No. 1,407,845; Feb. 28.
- Dickson, George E., Chicago, Ill. Device for providing railway accident insurance. No. 1,408,175; Feb. 28.
- Digney, Thomas, Bridgeport, Conn. Shade roller. No. 1,407,991; Feb. 28.
- Dilbone, Ardella C. (See Poe, Robert L., assignor.)
- Dillinger, Herbert H. (See Smith, E. N., and Dillinger.)
- Dillinger, Herbert H. (See Smith, Eric N., assignor.)
- Donahoe's, Incorporated. (See Kruckewitt, John, assignor.)
- Doody, William S. H., Sydney, New South Wales, Australia. Sandal or slipper. No. 1,407,992; Feb. 28.
- Dorfman, Leo, Wilkensburg, Pa. Electric clock. No. 1,408,274; Feb. 28.
- Dorozynsky, Paul. (See Sliworsky, A., and Dorozynski.)
- Dowler, Charles R., Fellows, Calif. Safety anchor. No. 1,408,082; Feb. 28.
- Downing, Virgil S., Jackson, Miss. Boat construction. No. 1,408,178; Feb. 28.
- Du Pont, E. I., de Nemours & Company. (See Arnold, Charles E., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Kessler, Johannes M., assignor.)
- Du Pont, Eleuthere P., Montchanin, Del. Internal-combustion engine. No. 1,408,179; Feb. 28.
- Durot, Albert, assignor to Sir James Farmer & Sons Limited, Salford, Manchester, England. Cloth plaiting or piling machine. No. 1,408,083; Feb. 28.
- Dutro, Leslie C., Long Beach, Calif. Oil cup. No. 1,408,180; Feb. 28.
- Dutro, Leslie C., Long Beach, Calif. Oil cup. No. 1,408,181; Feb. 28.
- Earl, George G., New Orleans, La., assignor to one-third to C. A. Brown, Lorain, Ohio, and one-third to A. B. Wood, New Orleans, La. Fluid system. No. 1,407,993; Feb. 28.
- Eberling, Charles M., assignor to The Eberling Machinery Company, Cleveland, Ohio. Cement-working machinery. No. 1,407,846; Feb. 28.
- Eberling Machinery Company, The. (See Eberling, C. M., assignor.)
- Eckles, Noble, assignor of three-fourths to L. W. Rhode, San Diego, Calif. Wrench. No. 1,408,275; Feb. 28.
- Ehrenfeld, William C. (See Wilson, E. H., and Ehrenfeld.)
- Eickhoff, Theodore H., Cleveland, Ohio, assignor to Auto-Ordnance Corporation, New York, N. Y. Gun sight. No. 1,408,276; Feb. 28.
- Elbe, William C., Cincinnati, Ohio. Master collet. No. 1,408,182; Feb. 28.
- Eldred, Byron E., New York, N. Y., assignor to Chemical Development Company. Cellulose-ester composition. No. 1,408,423; Feb. 28.
- Electric Controller Company. (See Rhodes, Rowland P., assignor.)
- Elliott, George R., Ecorse, Mich. Mold for concrete channels and floors. No. 1,407,737; Feb. 28.
- Empire Seating Co., Inc. (See Thompson, Archibald H., assignor.) (Reissue.)
- Engelke, William D., St. Paul, Minn. Ash handler. No. 1,407,847; Feb. 28.
- Ensign, Orville H., Pasadena, Calif. Art of and means for liquid-fuel conversion. No. 1,408,278; Feb. 28.
- Ensign, Orville H., Pasadena, Calif. Method of and means for producing explosive mixtures of air and fuel. No. 1,408,277; Feb. 28.
- Erhardt, Oscar P., West Haven, Conn. Beverage mixer. No. 1,407,789; Feb. 28.
- Erickson, Charles E., Laredo, Tex. Pencil holder. No. 1,407,738; Feb. 28.
- Evans, William L., Jr., Washington, Ind. Hinge. No. 1,407,739; Feb. 28.
- Evans, William L., Jr., Washington, Ind. Hinge. No. 1,407,740; Feb. 28.
- Evans, William L., Jr., Washington, Ind. Hinge. No. 1,407,790; Feb. 28.
- Evaporating and Drying Machinery Company, The. (See Miller, John C., assignor.)
- Everell, Joseph A., Quebec, Ernest Plamondon and Ubald Plourde, Ste. Anne de Beaupré, Quebec, Canada. Street indicator. No. 1,407,848; Feb. 28.
- Everett, Edward A., assignor to Q & C Company, New York, N. Y. Electric heater for outdoor use. No. 1,408,183; Feb. 28.
- Everhart, George S., Oshkosh, Wis. Nonskid chain device. No. 1,407,741; Feb. 28.
- Evers, William, Buffalo, N. Y. Sewing machine. No. 1,407,849; Feb. 28.
- Ewald, Leo, Minneapolis, Minn. Filtering apparatus. No. 1,408,279; Feb. 28.
- Fahrlander, Harry W., Hamilton, assignor to The Houston Stanwood & Gamble Company, Cincinnati, Ohio. Detachable support for horizontal shafts of machines. No. 1,408,280; Feb. 28.
- Failey, John M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Strap fastening. No. 1,408,281; Feb. 28.
- Faltin, Bernard P., Philadelphia, Pa. Mechanical measure. No. 1,408,282; Feb. 28.
- Farlow, Brita R. (See Farlow, Nathaniel N., assignor.)
- Farlow, Nathaniel N., assignor of one-half to B. R. Farlow, Pasadena, Calif. Fruit-jar clamp and holder. No. 1,408,184; Feb. 28.
- Farmer, Sir James, & Sons Limited. (See Durot, Albert, assignor.)
- Farr, Frank G., Fairmont, Minn. Gas generator. No. 1,407,850; Feb. 28.
- Faurot, Joseph A. (See Wolfe, C. L., and Faurot.)
- Federal Stamping Company. (See Olinger, Thomas, assignor.)
- Feldcamp, George, et al. (See Werts, William D., assignor.)
- Ferdon, Guy W., Cresskill, N. J. Roller-towel cabinet. No. 1,408,283; Feb. 28.
- Ferguson, Fergus R. (See Kreusler, J. L., and Ferguson.)
- Ferrius, Joseph P., Cleveland, Ohio. Portable doorstop. No. 1,408,316; Feb. 28.
- Firestone Tire and Rubber Company, The. (See Bittaker, Harvey J., assignor.)
- Firestone Tire and Rubber Company. (See Stevens, W. C., and Putt, assignors.)
- Fitton, John R., Woonsocket, R. I. Pencil clip. No. 1,408,084; Feb. 28.
- Fitz-Empire Double Pivot Last Company. (See Buck, Frank S., assignor.)
- Fitz-Empire Double Pivot Last Company. (See Whipple, Leland B., assignor.)
- Fitzgerald Mfg. Co., The. (See Fitzgerald, Maurice F., assignor.)
- Fitzgerald, Maurice F., Torrington, assignor to The Fitzgerald Mfg. Co., Winsted, Conn. Revolving connector for electric curling irons. No. 1,407,937; Feb. 28.
- Flaig, Frank, Danville, Ky. Measuring instrument. No. 1,407,851; Feb. 28.
- Fletcher, Richard D., et al. (See Newcomb, Alcanzo D., assignor.)
- Flynn, Lewis H., et al. (See Bolenbaugh, Burton R., C., and R. S., and Long, assignors.)
- Ford, Matthew A., Davenport, Iowa. Luggage carrier. No. 1,407,994; Feb. 28.
- Foster, Lester. (See Foster, Orval B. and L.)
- Foster, Mills C., Regina, Saskatchewan, Canada. Train-stopping device. No. 1,407,742; Feb. 28.
- Foster, Orval B. and L., Fort Smith, Ark. Radiator composition. No. 1,407,995; Feb. 28.
- Fowler, Edward J., Redwood City, and C. Kellie, San Francisco, Calif., assignors to Pacific Foundry Company, San Francisco, Calif. Reinforced flange for flanged products. No. 1,407,791; Feb. 28.
- Frank, Willi, Rock Island, Ill. Vise. No. 1,407,743; Feb. 28.
- Frazee, Leonard D. (See Jensen, Carl M., assignor.)
- Fredriksstad Elektrokemiske Fabriker A/S. (See Langhard, Johann K., assignor.)
- Fried, Krupp Aktiengesellschaft. (See Barth, Karl, assignor.)
- Fried, Krupp Aktiengesellschaft. (See Kleber, Gustav, assignor.)
- Fried, Krupp Aktiengesellschaft. (See Schraepfer, Curt, assignor.)
- Fried, Krupp Aktiengesellschaft. (See Sperling, Martin, assignor.)
- Ftyklo, Andy, Braznell, Pa. Fish trap. No. 1,407,744; Feb. 28.
- Funk, John H., St. Louis, Mo. Pipe-coupling attachment for car couplings. No. 1,408,351; Feb. 28.
- Gabbett, Archie D., Spokane, Wash. Road-guide and travel indicator for automobiles. No. 1,408,352; Feb. 28.
- Galloway, Albert L., St. Louis, Mo. Phonograph-record holder. No. 1,407,938; Feb. 28.
- Galloway, James M., Terre Haute, Ind. Knockdown portable wardrobe. No. 1,408,284; Feb. 28.
- Gannon, Timothy A., Somerville, Mass. Shock-absorbing apparatus. No. 1,407,745; Feb. 28.
- Gardner, William T., Bruern, England, assignor to Isbell-Porter Company, Newark, N. J. Vertical retort for carbonizing coal. No. 1,407,996; Feb. 28.
- Garland, Samuel A., Salisbury, N. C. Tractor-wheel attachment. No. 1,408,285; Feb. 28.

- Garner, Claude E., et al. (See Werts, William D., assignor.)
- Garratt, Abraham. (See Garratt, S., Barron, and Garratt.)
- Garratt, Skerrett, G. Barron, and A. Garratt, Peterborough, England. Combination gauging tool. No. 1,408,085; Feb. 28.
- Gatchell, George S., Roselle Park, N. J., assignor to The Singer Manufacturing Company. Loooper-thread-controlling mechanism for sewing machines. No. 1,408,185; Feb. 28.
- Gehr, Ray S., Cleveland, Ohio. Door-controlling apparatus. No. 1,408,186; Feb. 28.
- Geib, William P. (See Richards, George W., assignor.)
- Geiger, William A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Coupling attachment. No. 1,407,939; Feb. 28.
- Gendron Wheel Co., The. (See Nauts, Frank A., assignor.)
- General Electric Company. (See Hartman, Noble W., assignor.)
- General Electric Company. (See Laycock, Harry A., assignor.)
- General Electric Company. (See Macloskie, George, assignor.)
- General Electric Company. (See St. Clair, Byron W., assignor.)
- General Electric Company. (See Steenstrup, Christian, assignor.)
- General Electric Company. (See Upp, John W., assignor.)
- General Electric Company. (See Warren, Henry E., assignor.)
- Gentile, Antonio, et al. (See Gentile, Louis, assignor.)
- Gentile, Jasper A., et al. (See Gentile, Louis, assignor.)
- Gentile, John, et al. (See Gentile, Louis, assignor.)
- Gentile, Joseph, et al. (See Gentile, Louis, assignor.)
- Gentile, Louis, assignor of one-sixth to J. A. Gentile, one-sixth to A. Gentile, one-sixth to J. Gentile, one-sixth to R. Gentile, and one-sixth to J. Gentile, Kenosha, Wis. Display rack. No. 1,408,187; Feb. 28.
- Gentile Ralph, et al. (See Gentile, Louis, assignor.)
- Gerling, Frederick A., Silver City, assignor of one-fourth to D. D. Long and one-fourth to R. Richardson, Boise, Idaho. Revolving air compressor. No. 1,408,188; Feb. 28.
- Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. No. 1,407,852; Feb. 28.
- Gilbert, A. C., Company, The. (See Erhardt, Oscar P., assignor.)
- Gilbert, A. C., Company, The. (See Stone, Harris D., assignor.)
- Gilkey, W. S., Printing Company, The. (See Hogan, C. V., assignor.)
- Gilson, Henry R., New Rochelle, N. Y., assignor to Revere Rubber Company, Press. No. 1,408,189; Feb. 28.
- Goebel, Frank, Petersburg, Nebr. Attachment for self-starting tractors. No. 1,408,286; Feb. 28.
- Goldsmith, Joseph, Seattle, Wash. Ice-cream-can holder. No. 1,407,853; Feb. 28.
- Goodman Manufacturing Company. (See Davis, Charles E., assignor.)
- Goodrich, B. F., Company, The. (See Ayres, Hiram D., assignor.)
- Goodrich, B. F., Company, The. (See Failey, John M., assignor.)
- Goodrich, B. F., Company, The. (See Kimentt, Waldemar D., assignor.)
- Goodrich, B. F., Company, The. (See Pigeon, Ernest A., assignor.)
- Goodrum, Charles L. (See Clausen, H. P., and Goodrum.)
- Gorham Manufacturing Company. (See North, George H., assignor.)
- Goubert, Floris, Paris, France. Press stud. No. 1,407,854; Feb. 28.
- Grasso, Joseph, Philadelphia, Pa. Building construction. No. 1,408,287; Feb. 28.
- Gray, James H., New York, N. Y. Regenerator chamber. No. 1,408,086; Feb. 28.
- Grearson, Frederick A. (See Watt, D. C., and Grearson.)
- Grebler, William, and L. Oskow, Brooklyn, N. Y. Automatic awning-control device. No. 1,408,424; Feb. 28.
- Green, Charles F., Sacramento, Calif. Portable crane. No. 1,407,855; Feb. 28.
- Gregory, Curry W., Frederick, Md. Oil or grease dispensing device. No. 1,407,997; Feb. 28.
- Gregory, William P., Stone Canon, Calif. Signal system. No. 1,408,190; Feb. 28.
- Grenache, Joseph E. (See Smith, W. O., and Grenache.)
- Grimm, Jacob, New York, N. Y. Gaslighter. No. 1,408,288; Feb. 28.
- Gronkivist, Oscar R., et al. (See Löfgren, Albert O. M., assignor.) (Reissue.)
- Groot, Charles W., Rochester, N. Y. Automatic reversing mechanism. No. 1,408,289; Feb. 28.
- Gruenberg, Raoul J., San Francisco, Calif., assignor to The Paraffine Companies Inc. Object retainer. No. 1,408,191; Feb. 28.
- Gugino, Carmelo, Buffalo, N. Y. Window shutter. No. 1,407,856; Feb. 28.
- Guidry, Frank, Orange, Tex. Soft-collar holder. No. 1,408,290; Feb. 28.
- Gunn, Charles H., Emeryville, assignor of one-ninth to C. H. Black, Oakland, and one-ninth to F. O. Nebeker, Oakland, Calif. Toilet flush. No. 1,407,998; Feb. 28.
- Gunn, Charles H., Oakland, Calif. Ball cock for flush tanks. No. 1,408,192; Feb. 28.
- Gunning, William A. (See Maynard, A. E., and Gunning.)
- Gwyer, Herbert J., Yonkers, N. Y. Tank refrigerator. No. 1,407,857; Feb. 28.
- H'Doubler, Charles W., Madison, Wis. Electric switch. No. 1,408,177; Feb. 28.
- H'Doubler, Charles W., Madison, Wis. Pneumatic drill. No. 1,408,176; Feb. 28.
- Haentjens, Otto, assignor to Barrett, Haentjens & Company, Hazleton, Pa. Centrifugal pump. No. 1,408,291; Feb. 20.
- Hagarty, William P. J., Avon, S. D. Cigarette case. No. 1,407,746; Feb. 28.
- Halladay, Lewis P., Decatur, Ill. Bumper bar. No. 1,408,193; Feb. 28.
- Ham Boiler Corp. (See Adelman, Hans, assignor.)
- Hammond, John H., Jr. (See Trenor, Albert D., assignor.)
- Hanseatische Triumph-Werke Gesellschaft mit beschränkter Haftung. (See Heydenbluth, Erich K. F., assignor.)
- Hansen, Peter B., et al. (See Brown, Hiram F., assignor.)
- Harris, Edwin O. (See Saeter, O. F., and Harris.)
- Harris, John, Lakewood, Ohio. Blowpipe. No. 1,408,194; Feb. 28.
- Harris, Lewis W., Richmond, Ind. Railway-rail lock. No. 1,407,999; Feb. 28.
- Hart, Ira B., assignor to The Recip-Roto Engine Company, St. Louis, Mo. Rotary pump and engine. No. 1,408,292; Feb. 28.
- Harter, Charles, assignor of one-half to John E. O'Brien, St. Louis, Mo. Closure for front ends of locomotives. No. 1,407,858; Feb. 28.
- Hartman, Noble W., Toledo, Ohio, assignor to General Electric Company. Glassworking mechanism. No. 1,408,000; Feb. 28.
- Harvey Frost and Company Limited. (See Morriss, Harry E., assignor.)
- Hatcher, Charles M., Oakland, assignor of one-half to J. L. Ross, Redwood City, Calif. Milk-bottle holder. No. 1,408,195; Feb. 28.
- Hatzung, Alexander, assignor to T. N. Benedict Mfg. Co., East Syracuse, N. Y. Display card. No. 1,407,792; Feb. 28.
- Hauck, Bernard K., Cincinnati, Ohio, assignor to Spotswood Specialty Co., Lexington, Ky. Aerial toy. No. 1,408,001; Feb. 28.
- Haupt, William F., Orange, assignor of one-half to C. S. A. Williams, South Orange, N. J. Thread-spinning machine. No. 1,407,793; Feb. 28.
- Havasy, Louis, Los Angeles, Calif. Artificial-fiber-wood construction. No. 1,407,747; Feb. 28.
- Havener, Arthur R., Wayland, Mass., assignor to Judson L. Thomson Mfg. Co. Shipping-case-riveting machine. No. 1,407,859; Feb. 28.
- Hawkinson, Paul E., Minneapolis, Minn. Multiple socket wrench. No. 1,407,860; Feb. 28.
- Hawley, Darrel A., Toledo, Ohio. Piston ring. No. 1,408,087; Feb. 28.
- Hayes Manufacturing Company. (See Lyon, Guy A., assignor.)
- Haynes, Pierre E., Buffalo, N. Y., assignor to The Linde Air Products Company. Explosive mixture. No. 1,408,293; Feb. 28.
- Healy, Ellis C., East Orange, N. J., assignor to The Newman Clock Company, Inc., New York, N. Y. Supervisory mechanism. No. 1,407,809; Feb. 28.
- Healy, Ellis C., East Orange, N. J., assignor to The Newman Clock Company, Inc., New York, N. Y. Supervisory mechanism. No. 1,407,811; Feb. 28.
- Healy, Ellis C., East Orange, N. J., and G. P. Schmidt, New York, N. Y. assignors to The Newman Clock Company, Inc., New York, N. Y. Supervisory mechanism. No. 1,407,814; Feb. 28.
- Healy, Ellis C., East Orange, N. J., assignor to The Newman Clock Company, Inc., New York, N. Y. Supervisory mechanism. No. 1,407,815; Feb. 28.
- Healy, Ellis C. (See Renshaw, C. E., and Healy.)
- Healy, Ellis C., East Orange, N. J., assignor to The Newman Clock Company, Inc., New York, N. Y. Supervisory mechanism. No. 1,407,816; Feb. 28.
- Heany, John A., New Haven, Conn., assignor, by mesne assignments, to Rockbestos Products Corporation. Insulation-testing device. No. 1,407,693; Feb. 28.
- Heine Safety Boiler Company. (See Clay, Samuel B., assignor.)
- Hendey Machine Company. (See Bouillon, Constant, assignor.)
- Hendrickson, Robert O., assignor to J. I. Case Plow Works Company, Racine, Wis. Internal-combustion engine. No. 1,407,694; Feb. 28.
- Henning, Peter A., Jr., Zumbrota, assignor to Moyer Manufacturing Company, Montevideo, Minn. Stanchion. No. 1,408,294; Feb. 28.
- Hermann, Otto, assignor to Supreme Electric Hair Cutter Corporation, Springfield, Mass. Hair-cutting apparatus. No. 1,407,748; Feb. 28.
- Hernmarck, Arvid G. M., et al. (See Löfgren, Albert O. M., assignor.) (Reissue.)
- Hervey, Charles A., Lansing, Mich. Ignition lock for automobiles. No. 1,408,295; Feb. 28.
- Herzberg, Wilhelm, Berlin-Wilmersdorf, and O. Scharfeneberg, Berlin-Schöneberg, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Ortho-oxyazo dyes. No. 1,408,297; Feb. 28.

- Hierzberg, Wilhelm, Berlin-Wilmersdorf, and O. Scharfenberg, Berlin-Schöneberg, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Orthoxyazo dyes for wool. No. 1,408,296; Feb. 28.
- Hewson, Charles. (See Schreyer, E. G., and Hewson.)
- Heydenbluth, Erich K. F., assignor to the Firm of Hanseatische Triumph-Werke Gesellschaft mit beschränkter Haftung, Hamburg, Germany. Machine for whetting razor blades. No. 1,408,298; Feb. 28.
- Heymoss, Alois, Detroit, Mich. Towing device. No. 1,408,002; Feb. 28.
- Hiett, Joseph W., Conway, Ark. Rat trap. No. 1,407,861; Feb. 28.
- Hillard, Frederic W., Tottenville, N. Y. Paper finger for typewriter machines. No. 1,408,003; Feb. 28.
- Hinkle, Matthew C., Enders, Ark. Plow. No. 1,407,862; Feb. 28.
- Hirsch, Alcan, and M. Hirsch, New York, N. Y. Flo-tation agent and making same. No. 1,407,749; Feb. 28.
- Hirsch, Marx. (See Hirsch, Alcan and M.)
- Hochenauer, John, Jr., assignor to Missouri Paper Products Company, St. Joseph, Mo. Ring. No. 1,407,863; Feb. 28.
- Hodes, Carl E. (See Ochs, R. J., and Hodes.)
- Hoessel, Frederick W. (See Darrow, L. L., and Hoessel.)
- Hoffman, Albert C., Huntington, Ind. Electric heater for thawing pipes. No. 1,408,196; Feb. 28.
- Hogan, Charles V., assignor of one-half to The W. S. Gilkey Printing Company, Cleveland, Ohio. Carton-assembling device. No. 1,407,864; Feb. 28.
- Hollenback, George M., Los Angeles, Calif. Fluid heater. No. 1,408,198; Feb. 28.
- Hollenback, George M., Lewiston, Mont. Handpiece for dental instruments. No. 1,408,197; Feb. 28.
- Holley, Albert B., Virginia, Minn. Conveyor loader. No. 1,408,299; Feb. 28.
- Holt Manufacturing Company, The. (See Turnbull, William, assignor.)
- Holt Manufacturing Company, The. (See Wickersham, Elmer E., assignor.)
- Hoover Suction Sweeper Company, The. (See Case, Francis M., assignor.)
- Hopkins, George. (See Knee, Allison W., assignor.)
- Horst, Emil C., San Francisco, Calif. Separator. No. 1,408,199; Feb. 28.
- Houdaille, Maurice, Levallois-Perret, France. Cantilever spring. No. 1,408,300; Feb. 28.
- Housholder, Albert, Florence, Colo. Wax-sweating apparatus. No. 1,408,200; Feb. 28.
- Houston Stanwood & Gamble Company, The. (See Fahrlander, Harry W., assignor.)
- Hugo Manufacturing Company. (See Bauer, Gustavus A., assignor.)
- Humphrey, Hubert R., Kalamazoo, Mich. Gas heater. No. 1,407,750; Feb. 28.
- Hunt, Thomas, and H. R. Biersdorf, Portland, Oreg. Sanitary moistening cup. No. 1,408,201; Feb. 28.
- Huser, Adolf T., North Bergen, assignor to J. W. Steward, Paterson, N. J. Shuttle-thread package. No. 1,408,202; Feb. 28.
- Indiana Canning Machinery Company. (See Lindley, James F., assignor.)
- Ingles, Eugene P., Chicago, Ill. Automatic air-regulating device for gasoline engine. No. 1,408,353; Feb. 28.
- International Precipitation Company. (See Witte, Gustav A., assignor.)
- International Silver Co. (See Lee R. T., and Lasher, assignors.)
- Isaac Church Expansion Bolt Company, The. (See Church, I., and Montgomery, assignors.)
- Isbell-Porter Company. (See Gardner, William T., assignor.)
- Jackson, Floyd L. (See Knapp, F. D., and Jackson.)
- Jeffers, Clarence E., assignor to H. C. Marmon, Indianapolis, Ind. Instrument board. No. 1,407,751; Feb. 28.
- Jenkins, Charles F., Washington, D. C. Cooling device for motion-picture machines. No. 1,408,203; Feb. 28.
- Jenkins, Charles S. (See Bovard, W. H., Barker, and Jenkins.)
- Jensen, Carl M., assignor, by mesne assignments, of one-half to L. D. Frazee, Oakland, Calif. Damper. No. 1,408,204; Feb. 28.
- Jeter, John W., Kansas City, Mo. Clamping device for beams and columns. No. 1,408,301; Feb. 28.
- Jfanger, Eduard, Uster, Switzerland. Tool for cutting screw threads in work pieces. No. 1,408,205; Feb. 28.
- Jicha, Mathew, Bridgeport, Ohio. Rail brace. No. 1,407,865; Feb. 28.
- Johns-Pratt Company, The. (See Cole, Robert C., assignor.)
- John, Stuart O., assignor to The New Zealand Flusher Company Limited, Wellington, New Zealand. Device for measuring out water. No. 1,407,752; Feb. 28.
- Johnson, Anders I. (See Johnson, Carl F. and A. I.)
- Johnson, August, Deep Creek, Wash., and O. Landholm, Wallace, Idaho. Nonskid and traction device. No. 1,408,004; Feb. 28.
- Johnson, Carl F. and A. I., Labolt, S. D. Tire-chain tightener and lock. No. 1,407,753; Feb. 28.
- Johnson, Clarence S., assignor of one-half to H. R. Snook, Frederick, Md. Bottle capper. No. 1,408,354; Feb. 28.
- Johnson, George M., Jeannette, Pa. Feeding mechanism for mine cars. No. 1,408,088; Feb. 28.
- Johnson, George M., Jeannette, Pa. Tripping mechanism. No. 1,408,089; Feb. 28.
- Johnson, Walter E., Chicago, Ill. Pin. No. 1,408,206; Feb. 28.
- Jones, Albert B., Los Angeles, Calif. Self-feed lettering-stamp pad. No. 1,408,207; Feb. 28.
- Jones, Boardman Bunch Builder Corporation. (See Jones, Ebbert A., assignor.)
- Jones, Charles W., St. Paul, Minn. Safety razor. No. 1,408,355; Feb. 28.
- Jones, Ebbert A., Danville, Va., assignor, by mesne assignments, to Jones-Boardman Bunch Building Corporation, Baltimore, Md. Spinning machine. No. 1,407,754; Feb. 28.
- Jones, Edward, Leavenworth, Kans. Revetment. No. 1,407,866; Feb. 28.
- Jones, Joseph W., New York, N. Y. Liquid-fuel-feeding device for internal-combustion engines. No. 1,408,208; Feb. 28.
- Jones, Will, Avalon, Pa. Double boiler. No. 1,408,356; Feb. 28.
- Jones, William L., South Mills, N. C. Spring for automobiles. No. 1,408,005; Feb. 28.
- Kardell, Henry W., University City, assignor to Kardell Tractor and Truck Company, St. Louis, Mo. Traction wheel. No. 1,408,090; Feb. 28.
- Kardell Tractor and Truck Company. (See Kardell, Henry W., assignor.)
- K. F. & C. Tire & Rubber Corporation. (See Krusemark, Frederick A., assignor.)
- Keeler, Hugh E., et al. (See Bolenbaugh, Burton R., C., and R. S., and Long, assignors.)
- Kellam, Albert E., Leichhardt, near Sydney, New South Wales, Australia. Manufacture of paints. No. 1,408,091; Feb. 28.
- Keller, Ernest U., Pawhuska, Okla. Socket and bowl for fishing tools. No. 1,407,867; Feb. 28.
- Keller, John D., Sacramento, Calif. Reciprocating pump. No. 1,408,092; Feb. 28.
- Kellie, Charles. (See Fowler, E. J., and Kellie.)
- Kellogg Switchboard and Supply Company. (See Mueller, George E., assignor.)
- Kelly, Ambrose V., Brooklyn, N. Y. Fireproof door. No. 1,408,302; Feb. 28.
- Kelly-Springfield Tire Company. (See McLenathan, Robert, assignor.)
- Kelly-Springfield Tire Company. (See Waters, Reginald H., assignor.)
- Kelsall, Rachel, London, England. Workbox for domestic use. No. 1,408,093; Feb. 28.
- Kennedy, William D., Fairfield, Ohio. Lock. No. 1,407,755; Feb. 28.
- Kersey, Enos C., Newport Beach, Calif. Wave motor. No. 1,408,094; Feb. 28.
- Kessler, Johannes M., West Orange, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose-ester plastic. No. 1,408,095; Feb. 28.
- Klander, Lawrence A., New York, N. Y. Dental surgery. No. 1,408,006; Feb. 28.
- King, Bertell W., New York, N. Y. Automatic locating and displacing mechanism. No. 1,408,096; Feb. 28.
- Kip, Thomas H., New York, N. Y. Vehicle tire. No. 1,407,756; Feb. 28.
- Kleber, Gustav, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Automatic brake for hoisting devices. No. 1,408,209; Feb. 28.
- Klein, Carl, Wichita, Kans. Metallic fencepost. No. 1,408,007; Feb. 28.
- Klein, Charles J., deceased, Milwaukee, Wis., by H. C. Klein, administrator, Yonkers, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,408,097; Feb. 28.
- Klein, Henry C., administrator. (See Klein, Charles J.)
- Klein, Oskar K., St. Louis, Mo. Lock. No. 1,407,868; Feb. 28.
- Klocke, William, New York, N. Y. Safety device for slide-operating mechanism in presses. No. 1,407,870; Feb. 28.
- Klocke, William, Woodhaven, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y. Drawing press. No. 1,407,869; Feb. 28.
- Kment, Waldemar D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Heel-mold-wash-ering device. No. 1,407,757; Feb. 28.
- Knapp, Frank D., Binghamton, and F. L. Jackson, Endicott, N. Y. Tool for laying out templates and jigs. No. 1,408,098; Feb. 28.
- Knauber, Alexander M., assignor to Chicago Electric Sign Company, Chicago, Ill. Sign letter and frame. No. 1,408,210; Feb. 28.
- Knee, Allison W., assignor of one-third to G. Hopkins, Greenville, Mich. Railway-crossing gate. No. 1,408,008; Feb. 28.
- Knight, William, Lathrop, Calif. Door latch. No. 1,407,758; Feb. 28.
- Knox, Luther L., Bellevue, Pa. Portioning mechanism. No. 1,407,759; Feb. 28.
- Knudsen, John, Brea, Calif. Gas burner. No. 1,407,871; Feb. 28.
- Koons, Isaac B., Bath, Pa. Automobile pedal lock. No. 1,408,357; Feb. 28.
- Korossios, Theodore N., deceased. (See Coressey, Theodore.)

- Kraft, Henry P., Ridgewood, N. J. Tire-deflecting machine. No. 1,408,099; Feb. 28.
- Krantz, Frank O. (See Swick, C. P., and Krantz.)
- Kreusler, John L., and F. R. Ferguson, Cleveland, Ohio. Collet chuck. No. 1,407,760; Feb. 28.
- Krieger, George F., Wisconsin Rapids, Wis. Cutting tool. No. 1,408,358; Feb. 28.
- Kruckewitt, John, assignor of one-half to Donahoe's, Incorporated, Pittsburgh, Pa. Cafeteria table. No. 1,408,359; Feb. 28.
- Krusemark, Frederick A., assignor to K. F. & C. Tire & Rubber Corporation, Roanoke, Va. Mold for making cushion tires. No. 1,408,100; Feb. 28.
- Kuhn, Frank, L. H. Thomas, and J. G. Spiess, assignors to American Electrical Heater Company, Detroit, Mich. Heating unit for electrically-heated tools. No. 1,407,692; Feb. 28.
- Kühitz, Friedrich, Cannstatt, Germany. Baker's oven. No. 1,408,360; Feb. 28.
- Kurovski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,408,009; Feb. 28.
- Kurzwa, Anthony M., Chicago, Ill. Spike puller. No. 1,408,361; Feb. 28.
- La Bombard, Leon E., assignor to Specialty Automatic Machine Company, Chelsea, Mass. Blank feeder. (Re-issue.) No. 15,293; Feb. 28.
- Lackawanna Steel Company. (See Boardman, Charles S., assignor.)
- Lacy, Edyth, New York, N. Y. Sanitary protector. No. 1,407,872; Feb. 28.
- Lakewood Engineering Company, The. (See Mosel, Joseph H., assignor.)
- Lambert, William, New York, N. Y. Automatic automobile fender. No. 1,408,362; Feb. 28.
- Land, Charles H., Jr., assignor of one-half to W. H. Wilson, Detroit, Mich. Tractor and trailer coupling mechanism. No. 1,408,101; Feb. 28.
- Land, Charles H., Jr., assignor of one-half to W. H. Wilson, Detroit, Mich. Trailer. No. 1,408,102; Feb. 28.
- Landholm, Oscar. (See Johnson, A., and Landholm.)
- Lange, Werner, Berlin-Friedenau, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Ortho-oxymonoazo dyes. No. 1,408,363; Feb. 28.
- Langfeld, Clarence M., Baltimore, Md. Electric-arc striking mechanism. No. 1,407,761; Feb. 28.
- Langhard, Johann K., assignor to Fredrikstad Elektro-kemiske Fabriker A/S, Fredrikstad, Norway. Manufacture of perborates. No. 1,408,364; Feb. 28.
- Langston, Robert E., assignor to Wayne Oil Tank and Pump Company, Fort Wayne, Ind. Apparatus for purifying and filtering liquids. No. 1,407,762; Feb. 28.
- Langston, Robert E., assignor to Wayne Oil Tank and Pump Company, Fort Wayne, Ind. Filtering apparatus. No. 1,407,763; Feb. 28.
- Larkin, Joseph B., Palo Alto, Calif. Lunch-counter ticket. No. 1,408,103; Feb. 28.
- Larson, Peter S., Beloit, Wis. Spring motor. No. 1,408,365; Feb. 28.
- Larson, Peter S., Beloit, Wis. Clockwork. No. 1,408,366; Feb. 28.
- Lashar, Thomas B. (See Lee, R. T., and Lashar.)
- Lavallee, Emmanuel, Pawtucket, R. I. Swell check for looms. No. 1,408,010; Feb. 28.
- Laviotes, Abraham H., Shelton, Conn. Basket. No. 1,408,011; Feb. 28.
- Lawson, George D., Pocatontos, Iowa. Foot-operated accelerator. No. 1,407,695; Feb. 28.
- Laycock, Harry A., Schenectady, N. Y., assignor to General Electric Company. System of speed regulation and control of induction motors. No. 1,408,211; Feb. 28.
- Lebby, States L., Savannah, Ga. Spotlight. No. 1,408,104; Feb. 28.
- Lee, R. T., Northampton, Mass., and T. B. Lashar, Bridgeport, Conn., assignors to International Silver Co., Bridgeport, Conn. Manufacturing one-piece rustless knives for table use. No. 1,407,794; Feb. 28.
- Legg, David A. (See Weizmann, C., and Legg.)
- Leggett & Platt Spring Bed Co. (See Ziler, Corban H., assignor.)
- Leinbach, Edward L., Chicago, Ill. Anchoring or fastening device for cable ends. No. 1,408,212; Feb. 28.
- Lewis, George E., Ottumwa, Iowa. Woven basket. No. 1,408,367; Feb. 28.
- Lewis, Owen H., Hendrum, Minn. Spade knife. No. 1,408,368; Feb. 28.
- Libbey-Owens Sheet Glass Co., The. (See Deputy, Harry S., assignor.)
- Libbrecht, Lawrence S., Fort Jennings, Ohio. Control for clutches. No. 1,407,940; Feb. 28.
- Library Bureau. (See Olmstrand, Enoch, assignor.)
- Liedbeck, Carl H., Gottenberg, Sweden. Sealing of fluids in boreholes for oil wells. No. 1,407,873; Feb. 28.
- Linaker, Frederick W., and T. M. Bruback, Dubois, Pa. Tube cleaner. No. 1,408,369; Feb. 28.
- Lincoln, Edward K., New York, N. Y. Screen. No. 1,408,370; Feb. 28.
- Linde Air Products Company, The. (See Haynes, Pierre E., assignor.)
- Lindley, James F., assignor to Indiana Canning Machinery Company, Indianapolis, Ind. Pulping machine. No. 1,408,303; Feb. 28.
- Linton, Morris, Moorestown, N. J., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Antinosing device for railway cars. No. 1,408,371; Feb. 28.
- Locke, Nathan A., Fulton, N. Y. Antirattling joint for steering gears. No. 1,408,213; Feb. 28.
- Löfgren, Albert O. M., assignor to A. G. M. Hernmarck, Djurshol, and O. R. Gronkwist, Stockholm, Sweden. Portable sawing mechanism. (Reissue.) No. 15,294; Feb. 28.
- Lomax, Clarence S., assignor to American Coke & Chemical Company, Chicago, Ill. Process and apparatus for recovery of by-products from distillate gases. No. 1,408,105; Feb. 28.
- Long, Daniel D., et al. (See Gerling, Frederick A., assignor.)
- Long, Laurence W. (See Bolenbaugh, Burton R., C., and R. S., and Long.)
- Longley, Willie C., Penn Laird, Va. Carcass conveyer. No. 1,408,372; Feb. 28.
- Lowry, Bertha M., et al. (See Lowry, George A., assignor.)
- Lowry, George A., Chicago, Ill., assignor of one-half to B. M. Lowry, Milwaukee, Wis., and one-half to A. B. Ridington, St. Louis, Mo. Corn husking and shredding machine. No. 1,408,304; Feb. 28.
- Loy, William C., assignor of one-half to F. E. Bryant, Rochester, Ind. Tire valve and gauge. No. 1,408,012; Feb. 28.
- Luft, Max, Boras, Sweden. Manufacture of artificial goods from viscose. No. 1,407,696; Feb. 28.
- Luppino, Joseph, Brooklyn, N. Y. Folding chair bed. No. 1,408,014; Feb. 28.
- Luppino, Joseph, Brooklyn, N. Y. Convertible davenport bed. No. 1,408,013; Feb. 28.
- Luppino, Joseph, Brooklyn, N. Y. Folding cot. No. 1,408,015; Feb. 28.
- Lustgarten, Bernard, Brooklyn, N. Y. Garment. No. 1,408,373; Feb. 28.
- Luszczysyn, Frank, Ludington, Mich. Freight-car body. No. 1,408,214; Feb. 28.
- Lynde, George F., Chattanooga, Tenn. Trap. No. 1,407,697; Feb. 28.
- Lyon, Guy A., assignor to Hayes Manufacturing Company, Detroit, Mich. Hood hinge. No. 1,407,941; Feb. 28.
- McBride, Thomas J., Christchurch, New Zealand. Air gravity seeding device for drills and other sowing implements. No. 1,407,795; Feb. 28.
- McBride, Thomas J., Christchurch, New Zealand. Seeding machine. No. 1,407,796; Feb. 28.
- McCabe, Hugh, Lawrence, Mass. Flanging machine. No. 1,408,106; Feb. 28.
- McCandless, Harry B., St. Louis, Mo. Shackie. No. 1,407,942; Feb. 28.
- McLenathan, Robert, Cuyahoga Falls, assignor to Kelly-Springfield Tire Company, Akron, Ohio. Trimming device. No. 1,408,016; Feb. 28.
- McIntock, Lewis G., Pittsburgh, Pa., assignor to Pittsburgh Transformer Company. Transformer tank. No. 1,408,215; Feb. 28.
- McCollum, Thomas B., Winona, Ontario, Canada. Draft device for tractors and the like. No. 1,408,107; Feb. 28.
- McDonald, Angus, New Glasgow, assignor of one-third to H. Putnam, Truro, and one-third to C. T. Conrad, Halifax, Nova Scotia, Canada. Railway fish-plate, spike, and nut lock. No. 1,408,374; Feb. 28.
- McInerney, Benjamin, Council Bluffs, Iowa. Tripping device. No. 1,408,108; Feb. 28.
- McKee, Emelius M. (See Saxton, Thomas G., assignor.)
- McNamara, John W., et al. (See Bockover, Walter L., assignor.)
- Macbeth, Norman, New York, N. Y. Color-identifying apparatus. No. 1,408,109; Feb. 28.
- MacGahan, Paul, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Measuring instrument. No. 1,408,110; Feb. 28.
- MacLean, George H., New Haven, Conn. Truck for transferring concrete. No. 1,407,698; Feb. 28.
- Macloskie, George, Erie, Pa., assignor to General Electric Company. Combined air-brake and car-door-operating equipment. No. 1,408,111; Feb. 28.
- Magee Furnace Company, Inc. (See Wiley, Clarence F., assignor.)
- Mainka, Arthur, Seemühl, near Enckfer, Germany. Brace. No. 1,402,216; Feb. 28.
- Manelis, Abraham, Chicago, Ill. Hot and cold water mixer. No. 1,408,375; Feb. 28.
- Manifold Impressions Corporation. (See Cossitt, Malcolm L., assignor.)
- Mann, James H., Jr., assignor to Transit Vending Machine Company, Pine Bluff, Ark. Coin-controlled vending machine. No. 1,408,112; Feb. 28.
- Marian, John, Hartford, Conn. Automatic feed for punch presses. No. 1,407,699; Feb. 28.
- Mark, Henry J., St. Louis, Mo. Plastering lath. No. 1,408,217; Feb. 28.
- Markle, Donald, Hazleton, Pa. Forming fuel. No. 1,407,700; Feb. 28.
- Marmon, Howard C. (See Jeffers, Clarence E., assignor.)
- Marsh, Robert T., et al. (See Newcomb, Alcanzo D., assignor.)
- Martin, Frederick W., New York, N. Y. Water gauge for tanks. No. 1,408,218; Feb. 28.
- Mason, Richard C., Tulsa, Okla. Well-measuring device. No. 1,408,113; Feb. 28.

- Mathews Gravity Carrier Company. (See Buck, Herman J., assignor.)
- Mathieu, Joseph, Lyon, France. Chair, table, and the like. No. 1,408,114; Feb. 28.
- Matta, George, Braddock, Pa. Flying machine. No. 1,408,115; Feb. 28.
- Matthews, John H., Northcote, near Melbourne, Victoria, Australia. Break of gauge mechanism. No. 1,408,219; Feb. 28.
- Maynard, Albert E., and W. A. Gunning, assignors to American Optical Company, Southbridge, Mass. Lapping machine. No. 1,408,305; Feb. 28.
- Mazsick, Frank W., North Milwaukee, Wis. Acetylene generator. No. 1,407,943; Feb. 28.
- Meek, David R., assignor to Meek Oven Manufacturing Company, Inc., Westport, Conn. Baking oven. No. 1,408,220; Feb. 28.
- Meek Oven Manufacturing Company. (See Meek, David R., assignor.)
- Melng, Arthur H., Omaha, Nebr. Sign. No. 1,407,944; Feb. 28.
- Melanson, Charles G., Lynn, Mass. Headlight. No. 1,408,306; Feb. 28.
- Meldrum, Claron W., Ocean Park, Calif. One-piece footboard. No. 1,408,116; Feb. 28.
- Mellet, Lemuel, and T. Curran, Watertown, said Curran assignor of his entire right to W. T. Beattie, Arlington, Mass. Fender for motor-driven vehicles. No. 1,408,117; Feb. 28.
- Messenger, Jane, Pacific Grove, Calif. Ornamental insect. No. 1,408,017; Feb. 28.
- Meyer, Friedrich W., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Apparatus for producing modified currents, etc. No. 1,408,118; Feb. 28.
- Meyer, Nathan S., New York, N. Y. Button. No. 1,407,945; Feb. 28.
- Michalski, Julius L., Milwaukee, Wis. Display device. No. 1,407,874; Feb. 28.
- Midland Supply Company, The. (See Moyer, Virgil W., assignor.)
- Miehle Printing Press & Manufacturing Co. (See Blaine, Joseph R., assignor.)
- Miller, Edward P., and V. V. Nelson, Atwater, Minn. Calf weaner. No. 1,408,018; Feb. 28.
- Miller, John C., Covington, Ky., assignor to The Evaporating and Drying Machinery Company, Cincinnati, Ohio. Apparatus for the drying of liquids and semiliquids. No. 1,407,701; Feb. 28.
- Miller, John H., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. No. 1,408,119; Feb. 28.
- Miller, Theodore H., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Bowl clamp. No. 1,407,702; Feb. 28.
- Millity, Vlada, Detroit, Mich. Nonrefillable bottle. No. 1,408,376; Feb. 28.
- Mills, Thomas A., Clapham, London, assignor to Zoecrome Limited, London, England. Color cinematography. No. 1,407,875; Feb. 28.
- Miner, William H. (See Geiger, William A., assignor.)
- Miner, William H. (See O'Connor, John F., assignor.)
- Mirk, Paul, New York, N. Y. Thermostatic valve-controlling apparatus. No. 1,408,120; Feb. 28.
- Mirk, Paul, New York, N. Y. Thermostatic air valve. No. 1,408,121; Feb. 28.
- Mirk, Paul, New York, N. Y. Thermostatic device. No. 1,408,122; Feb. 28.
- Missouri Paper Products Company. (See Hochenauer, J., Jr., assignor.)
- Mitchell, Daniel B., Carlisle, Ky. Dog collar. No. 1,408,123; Feb. 28.
- Moffett, Harley M., Deshler, Ohio. Automobile direction signal. No. 1,408,377; Feb. 28.
- Moir, William A., Burwood, near Sydney, New South Wales, Australia. Differential gearing for automobile driving axle. No. 1,407,703; Feb. 28.
- Montgomery, LeRoy. (See Church, L., and Montgomery.)
- Moore, Harold N., Kearney, Nebr. Automatic train-pipe coupling. No. 1,408,378; Feb. 28.
- Moore, Harvey E., Peoria, Ill. Turntable. No. 1,408,379; Feb. 28.
- Moore, Roy, et al. (See Werts, William D., assignor.)
- Moore, William H., Dorris, Calif. Snap hook. No. 1,407,797; Feb. 28.
- Moors, George F., assignor to Recip-Roto Engine Company, St. Louis, Mo. Rotary pump and engine. No. 1,408,380; Feb. 28.
- Moors, George F., assignor to Recip-Roto Engine Company, St. Louis, Mo. Rotary pump and engine. No. 1,408,381; Feb. 28.
- Morris, Thomas B., Cincinnati, Ohio. Forming gears and the like. No. 1,407,704; Feb. 28.
- Morris, Harry E., Enfield, assignor to Harvey Frost and Company Limited, London, England. Vulcanizing apparatus. No. 1,408,382; Feb. 28.
- Morski, Thomas, Manistee, Mich., assignor to American Motor Patents Company. Combined spring and shock absorber. No. 1,408,124; Feb. 28.
- Mosel, Joseph H., Lakewood, assignor to The Lakewood Engineering Company, Cleveland, Ohio. Batch box. No. 1,408,383; Feb. 28.
- Motschenbacher, August, Brooklyn, assignor to L. Plaut & Co., New York, N. Y. Shade-holding attachment. No. 1,407,876; Feb. 28.
- Mott, John W., Springfield, Ill. Combination curtain and shade holder. No. 1,407,877; Feb. 28.
- Mower, Samuel. (See Cook, A. M., and Mower.)
- Moyer, Clarence F. (See Bliven, C. A., and Moyer.)
- Moyer Manufacturing Company. (See Henning, Peter A., Jr., assignor.)
- Moyer, Virgil W., assignor to The Midland Supply Company, Pawhuska, Okla. Fishing tool. No. 1,407,878; Feb. 28.
- Mueller, George, Salt Lake City, Utah. Bread pan or oven tray. No. 1,408,019; Feb. 28.
- Mueller, George E., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone exchange system. No. 1,408,125; Feb. 28.
- Munn, Hugo L., Wausau, Wis. Paper-roll bushing. No. 1,408,126; Feb. 28.
- Munsing, George D., New York, N. Y. Bottle capper. No. 1,408,127; Feb. 28.
- Munter, Charles, New York, N. Y. Belt-laced garment. No. 1,407,705; Feb. 28.
- Murphy, Walter P. (See Burns, Thomas J., assignor.)
- Murphy, Walter P. (See Sisson, Vinton E., assignor.)
- Murtha, Walter B., New York, N. Y. Safety device for paper-cutting machines and the like. No. 1,408,020; Feb. 28.
- Muzzy, William H., Chicago, Ill. Gasoline reserve and control device for automobiles. No. 1,407,799; Feb. 28.
- Muzzy, William H., Chicago, Ill. Gasoline-reserve device. No. 1,407,800; Feb. 28.
- Muzzy, William H., Chicago, Ill. Reserve-supply device for automobile fuel tanks. No. 1,407,798; Feb. 28.
- Nauts, Frank A., assignor to The Gendron Wheel Co., Toledo, Ohio. Toy motor vehicle. No. 1,407,879; Feb. 28.
- Nahr, Will C., Denver, Colo. Display stand for incandescent electric lamps. No. 1,408,128; Feb. 28.
- Nebeker, F. O., et al. (See Gunn, Charles H., assignor.)
- Neighbors, Charles C., Shreveport, La. Back-up post. No. 1,407,880; Feb. 28.
- Nelson, Ernest H., Duluth, Minn. Chain tightener. No. 1,407,946; Feb. 28.
- Nelson, Victor V. (See Miller, E. P., and Nelson.)
- Neubert, Richard L., Knoxville, Tenn. Traveling hoist. (Reissue.) No. 15,295; Feb. 28.
- New Zealand Flusher Company Limited, The. (See Johns, Stuart O., assignor.)
- Newcomb, Alcanzo D., Norfolk, assignor, by mesne assignments, of one-half to R. D. L. Fletcher, Cape Charles, and one-half to R. T. Marsh, Richmond, Va. Lifeboat. No. 1,408,130; Feb. 28.
- Newcomb, Alcanzo D., Norfolk, assignor, by mesne assignments, of one-half to R. D. L. Fletcher, Cape Charles, and one-half to R. T. Marsh, Richmond, Va. Oarlock for boats. No. 1,408,129; Feb. 28.
- Newlyn, Thomas J., El Paso, Tex. Cosmetic lotion. No. 1,408,384; Feb. 28.
- Newman Clock Company, The. (See Healy, E. C., and Schmidt, assignors.)
- Newman Clock Company Inc., The. (See Healy, Ellis C., assignor.)
- Newman Clock Company Inc., The. (See Renshaw, Charles E., assignor.)
- Newman Clock Company Inc., The. (See Renshaw, C. E., and Davis, assignors.)
- Newman Clock Company Inc., The. (See Renshaw, C. E., and Healy, assignors.)
- Newman Clock Company Inc., The. (See Richards, Benjamin, assignor.)
- Newton, Richard T., New York, N. Y. Glare screen. No. 1,408,386; Feb. 28.
- Newton, Richard T., New York, N. Y. Motor wheel. No. 1,408,385; Feb. 28.
- Nichols, Edgar B., and C. W. Carroll, assignors to The Pfaunder Company, Rochester, N. Y. Joint for hinged covers. No. 1,408,387; Feb. 28.
- Nielsen, Daisy D., Los Angeles, Calif. Hair curler. No. 1,408,131; Feb. 28.
- Nilson, Oliver C., Carthage, Mo. Corner clamp for concrete forms. No. 1,408,021; Feb. 28.
- Noblette, Bert, Winchester, Ky. Antislipping sandal. No. 1,408,388; Feb. 28.
- Nolen, James G., New York, N. Y. Radiator alarm. No. 1,408,022; Feb. 28.
- Nordin, Petrus L., Minneapolis, Minn. Hand stamp. No. 1,408,389; Feb. 28.
- Nordlund, August, Evanston, Ill. Forming pipe unions. No. 1,408,390; Feb. 28.
- Nordnes, John L., Waukesha, Wis. Fender for motor vehicles. No. 1,407,881; Feb. 28.
- Normoyle, Daniel J., et al. (See Parsons, John H., assignor.)
- North, George H., Cranston, assignor to Gorham Manufacturing Company, Providence, R. I. Candle holder. No. 1,407,801; Feb. 28.
- Norton, Tom, Llandrindod Wells, Wales. Fence. No. 1,408,132; Feb. 28.
- Nuerwell, Fred W., Tulsa, Okla. Connecting-rod gauge and straightener. No. 1,408,023; Feb. 28.
- Nuerwell, Fred W., Tulsa, Okla. Axle gauge. No. 1,408,024; Feb. 28.
- Nye, Victor W., and E. M. Amthor, Buffalo, N. Y. Automatic train-stopping apparatus. No. 1,408,025; Feb. 28.
- Oakes, Lucian R., Tipton, Ind. Circuit control for electric display signs and the like. No. 1,408,307; Feb. 28.
- O'Brien, John E. (See Harter, C., assignor.)
- O'Brien, John O. (See Thornton, John E., assignor.)

- Ochiltree, Ned A., Omaha, Nebr. Desk tray or basket. No. 1,408,026; Feb. 28.
- Ochs, George F. A., Newark, N. J. Anchoring means for track rails. No. 1,408,391; Feb. 28.
- Ochs, Ralph J., San Bernardino, and C. E. Hodes, San Francisco, Calif. Auto theft signal. No. 1,408,133; Feb. 28.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Shock-absorbing mechanism. No. 1,407,882; Feb. 28.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Mechanical movement. No. 1,407,883; Feb. 28.
- O'Dea, Arthur T., Pittsburgh, Pa. Metal crate. No. 1,408,392; Feb. 28.
- O'Donnell, Walter T., Lakewood, Ohio. Track drain. No. 1,408,134; Feb. 28.
- Ohnstrand, Enoch, Mohawk, N. Y., assignor to Library Bureau, Cambridge, Mass. Latch. No. 1,407,884; Feb. 28.
- Olinger, Thomas, assignor to Federal Stamping Company, Holland, Mich. Furnace-regulator construction. No. 1,407,802; Feb. 28.
- Olmsted, David R., Council Bluffs, Iowa. Wave motor. No. 1,407,885; Feb. 28.
- O'Neill, Henry J., et al. (See Bockover, W. L., assignor.)
- O'Neill, William. (See Simon, S., and O'Neill.)
- Orr, William T., Highland Park, Mich. Indicator for engines. No. 1,408,393; Feb. 28.
- Osberg, Gustaf, Boston, Mass. Tool holder. No. 1,407,764; Feb. 28.
- Osgood, Edward C., Aberdeen, Md. Corn-cutting machine. No. 1,408,135; Feb. 28.
- Oskow, Louis. (See Grebler, W., and Oskow.)
- Ott, Harvey N., and F. H. Burton, assignors to Spencer Lens Co., Buffalo, N. Y. Projection apparatus. No. 1,408,027; Feb. 28.
- Pacific Foundry Company. (See Fowler, E. J., and Kellie, assignors.)
- Paecht, Hugo C., New Haven, Conn. Safety device for foot presses. No. 1,407,765; Feb. 28.
- Pagel, Louis, Stillwater, Minn. Snowplow. No. 1,407,947; Feb. 28.
- Palmer-Bee Company. (See Bee, William E., assignor.)
- Palmer, Leon W., Unity Station, Pa. Loading apparatus. No. 1,408,136; Feb. 28.
- Paraffine Companies, The. (See Gruenberg, Raoul J., assignor.)
- Parsons, John H., assignor of one-fourth to A. C. Bunnell, Ridley Park, and one-fourth to D. J. Normoyle, Philadelphia, Pa. Centrifugal gun. No. 1,408,137; Feb. 28.
- Passavant, Gerardo, New York, N. Y. Film reel. No. 1,408,425; Feb. 28.
- Patterson, Earl L., Coalinga, Calif. Combined slidable gauge and aligning device. No. 1,407,803; Feb. 28.
- Paulson, Arthur, et al. (See Bolenbaugh, Burton R., C., and R. S., and Long, assignors.)
- Payne, Ernest, Binghamton, N. Y. Pivoted headlight for locomotives. No. 1,407,766; Feb. 28.
- Peake, Edward E., Texarkana, Tex. Belt buckle. No. 1,408,028; Feb. 28.
- Peck, Harley T., Lebanon, Ohio, assignor to The Peters Cartridge Company, Cincinnati, Ohio. Primer for small-arms ammunition. No. 1,407,767; Feb. 28.
- Peed, John T., Pasadena, Calif. Antiskid device. No. 1,407,711; Feb. 28.
- Pell, Henry W. L., Tonbridge, assignor to South of England Agricultural Machinery Company, Limited, Chapside, London, England. Detachable pulley. No. 1,408,138; Feb. 28.
- Peltier, Arthur H., Bristol, Tenn. Auxiliary spring. No. 1,408,394; Feb. 28.
- Pendergast, George E., Washington, D. C. Pressure detector. No. 1,408,221; Feb. 28.
- Peters Cartridge Company, The. (See Peck, Harley T., assignor.)
- Peycke, Armand H., assignor to American Steel Foundries, Chicago, Ill. Making reversible fulcrums. No. 1,407,886; Feb. 28.
- Pfauder Company, The. (See Nichols, E. B., and Carroll, assignors.)
- Phoenix-Hermetic Company. (See Talliaferro, Thomas L., assignor.)
- Pico, Albert P. F. (See White, Fred G., assignor.)
- Pigeon, Ernest A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Testing machine for dielectric objects. No. 1,407,887; Feb. 28.
- Piper, Walter F. (See Beardsley, E. O., and Piper.) (Re-issue.)
- Pittsburgh Transformer Company. (See McClintock, Lewis G., assignor.)
- Plamondon, Ernest. (See Everall, J. A., Plamondon, and Plourde.)
- Platte, Albert L., Clinton, Ill. Sled. No. 1,408,029; Feb. 28.
- Plaut, L., & Co. (See Motschenbacher, August, assignor.)
- Plourde, Ubald. (See Everall, J. A., Plamondon, and Plourde.)
- Poe, Robert L., Chicago, assignor to Ardella C. Dilbone, Cook County, Ill. Cooking range. No. 1,407,768; Feb. 28.
- Pokorny, Anton, Wyndmere, N. D. Rail tie and fastener. No. 1,408,395; Feb. 28.
- Pollman, Frederick W., Jr. (See Armstrong, Robert F., assignor.)
- Pope, Hampton J., Bolling, Ala. Boll-weevil catcher. No. 1,408,030; Feb. 28.
- Porter, Will R., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Spotlight projector. No. 1,408,222; Feb. 28.
- Poth, Henry, Cincinnati, Ohio. Means for operating electromagnetic reciprocating tools with pulsating direct current. No. 1,407,804; Feb. 28.
- Potkalicki, Majc, Lilly, Pa. Sled. No. 1,407,888; Feb. 28.
- Pratt & Whitney Company. (See Blood, Bryant H., assignor.)
- Pratt & Whitney Company. (See Buckingham, Earle, assignor.)
- Premo, Alexander, West St. Paul, Minn. Numbering, forming, and cutting die. No. 1,407,769; Feb. 28.
- Pruzan, Mae V., New York, N. Y. Brassière. No. 1,408,139; Feb. 28.
- Pumphrey, Willard V., et al. (See Spitz, Samuel, assignor.)
- Putnam, Harold, et al. (See McDonald, Angus, assignor.)
- Putt, Edward D. (See Stevens, W. C., and Putt.)
- Q & C Company. (See Everett, Edward A., assignor.)
- Raber, Harry C., assignor of one-half to W. R. Barker, Vanzant, Mo. Lock switch. No. 1,408,396; Feb. 28.
- Rackham, George J. (See Reddaway, F., and Rackham.)
- Ragsdale, Charles R., St. Louis, Mo. Plural-stream-distributing attachment for soda-water draft arms. No. 1,408,397; Feb. 28.
- Rajet Company. (See Byers, Joseph J., assignor.)
- Ramage, Alexander S., assignor, by mesne assignments, to Bostaph Engineering Corporation, Detroit, Mich. Treating hydrocarbon oils. No. 1,407,770; Feb. 28.
- Ramsey, Frank, Shelbyville, Ky. Plow. No. 1,408,031; Feb. 28.
- Rand, Benjamin G., North Tonawanda, N. Y. Card-index cabinet. No. 1,407,948; Feb. 28.
- Randall, Charles F., J. T. Clark, and J. T. Smith, assignors to Superior Dampener Company, Springfield, Mass. Dampener. No. 1,408,223; Feb. 28.
- Ratkovic, Frank X., Etna, Pa. Combination table and ladder. No. 1,408,398; Feb. 28.
- Recip-Roto Engine Company, The. (See Hart, Ira B., assignor.)
- Recip-Roto Engine Company, The. (See Moors, George F., assignor.)
- Reddaway, Frank, and G. J. Rackham, London, England. Tire and wheel rim to be used therewith. No. 1,408,399; Feb. 28.
- Rec-Nu-It Electric Manufacturing Company. (See Smith, W. O., and Grenache, assignors.)
- Reeve, Charles S., Grantwood, N. J., assignor to The Barrett Company. Emulsion and making the same. No. 1,408,224; Feb. 28.
- Reichmann, Frank J., assignor to American Production and Trading Company, Chicago, Ill. Electric flasher sign. No. 1,407,805; Feb. 28.
- Reilly, William, Kerrisdale, New Brunswick, Canada. Vulcanizer. No. 1,407,771; Feb. 28.
- Reiser, Daniel and O. J., Cleveland, Ohio. Automobile theft indicator. No. 1,408,032; Feb. 28.
- Reiser, Orin J. (See Reiser, Daniel and O. J.)
- Renshaw, Charles E., and E. C. Healy, East Orange, N. J., assignors to The Newman Clock Company, Inc., New York, N. Y. Supervisory mechanism. No. 1,407,807; Feb. 28.
- Renshaw, Charles E., and E. C. Healy, East Orange, N. J., assignors to The Newman Clock Company, Inc., New York, N. Y. Supervisory mechanism. No. 1,407,808; Feb. 28.
- Renshaw, Charles E., East Orange, N. J., assignor to The Newman Clock Company, Inc., New York, N. Y. Supervisory mechanism. No. 1,407,810; Feb. 28.
- Renshaw, Charles E., and E. C. Healy, East Orange, N. J., assignors to The Newman Clock Company, Inc., New York, N. Y. Supervisory mechanism. No. 1,407,812; Feb. 28.
- Renshaw, Charles E., and E. C. Healy, East Orange, N. J., assignors to The Newman Clock Company, Inc., New York, N. Y. Supervisory mechanism. No. 1,407,813; Feb. 28.
- Renshaw, Charles E., and E. C. Healy, East Orange, N. J., assignors to The Newman Clock Company, Inc., New York, N. Y. Yard post. No. 1,407,817; Feb. 28.
- Renshaw, Charles E., East Orange, N. J., and H. C. Davis, assignors to The Newman Clock Company, Inc., New York, N. Y. Supervisory mechanism. No. 1,407,818; Feb. 28.
- Renshaw, Charles E., East Orange, N. J., assignor to The Newman Clock Company, Inc., New York, N. Y. Supervisory mechanism. No. 1,407,819; Feb. 28.
- Revere Rubber Company. (See Gilson, Henry R., assignor.)
- Rhode, Lewis W. (See Eckles, Noble, assignor.)
- Rhodes, Rowland P., assignor to Electric Controller Company, Indianapolis, Ind. Heating element for incubators. No. 1,408,308; Feb. 28.
- Ribble, Charles W., Toledo, Ohio. Lever lock. No. 1,408,225; Feb. 28.
- Rice, Charles D., West Hartford, Conn. Milling machine. No. 1,407,820; Feb. 28.
- Rice, George H. (See Bremer, Russell H., assignor.)
- Richards, Benjamin, Canton, Mass., assignor to The Newman Clock Company, Inc., New York, N. Y. Recording attachment for valves and the like. No. 1,407,806; Feb. 28.

ALPHABETICAL LIST OF PATENTEES.

- Richards, George W., assignor of one-half to W. P. Geib, Altoona, Pa. Truck for gas tanks. No. 1,408,400; Feb. 28.
- Richardson, James H., Faulkton, S. D. Foldable ironing board. No. 1,407,821; Feb. 28.
- Richards, Walter E. W., Southall, England. Manufacture of molded articles from cement. No. 1,408,401; Feb. 28.
- Richardson, Richard, et al. (See Gerling, Frederick A., assignor.)
- Ridington, A. Blair, et al. (See Lowry, George A., assignor.)
- Riedel, Robert W., Ault, Colo. Beverage mixer. No. 1,408,033; Feb. 28.
- Ries, Herbert. (See Clinefelter, J. C., and Ries.)
- Ritz, August N., Milwaukee, Wis. Combined mudclage cap and spreader. No. 1,407,949; Feb. 28.
- Rockbestos Products Corporation. (See Heany, John A., assignor.)
- Rogers, Alfred, Milton, Mass. Washbasin. No. 1,408,402; Feb. 28.
- Roof, Walter R., Chicago, Ill. Protective covering for waterproofing coating on concrete. No. 1,407,772; Feb. 28.
- Roscoe, George, Two Harbors, Minn. Signaling device. No. 1,407,822; Feb. 28.
- Ross, Joseph L. (See Hatcher, Charles M., assignor.)
- Rossi, Dominick, New York, N. Y. Method of and apparatus for making artificial bark. No. 1,407,950; Feb. 28.
- Ruehl, Arthur L. (See Ruehl, Edwin H. and A. L.)
- Ruehl, Edwin H. and A. L., St. Louis, Mo. Electric heating device. No. 1,408,403; Feb. 28.
- Ryan, John H., Chicago, Ill. Preparing paper-coating composition. No. 1,407,773; Feb. 28.
- Saeter, Olav F., and E. O. Harris, Fergus Falls, Minn. Fastener for mud chains. No. 1,408,309; Feb. 28.
- Salter, Norbert. (See Brueck, J., and Salter.)
- Saltzer, Andrew. (See Shenk, A. M., Saltzer, A. and L.)
- Saltzer, Louis. (See Shenk, A. M., Saltzer, A. and L.)
- Saravia, José G., San Salvador, Salvador. Investment composition. No. 1,407,774; Feb. 28.
- Saxton, Thomas G., assignor to E. M. McKee, Lexington, Ky. Piston packing. No. 1,408,034; Feb. 28.
- Scharfenberg, Oswald. (See Herzberg, W., and Scharfenberg.)
- Scheele, Walter T., Hackensack, N. Y., assignor to H. M. Specht, New York, N. Y. Cellulose solution. No. 1,408,035; Feb. 28.
- Schlacks, William J., Chicago, Ill. Lubricator heater. No. 1,407,775; Feb. 28.
- Schmidt, Godfrey P. (See Healy, E. C., and Schmidt.)
- Schmidt, Henry F., Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Co. Blower. No. 1,407,889; Feb. 28.
- Schmitt, John A., Columbus, Ohio, assignor to The Universal Milking Machine Company. Pulsator for milking apparatus. No. 1,408,036; Feb. 28.
- Schmitt, Joseph H., Weehawken, N. J. Carburizing compound. No. 1,407,951; Feb. 28.
- Schnebly, Henry W., et al. (See Spitz, Samuel, assignor.)
- Schnoor, Peter J. A., Holstein, assignor of one-half to B. Couch, Sioux City, Iowa. Moistener for hot-air flues for hot-air furnaces. No. 1,408,404; Feb. 28.
- Schollhorn, William, Company, The. (See Bernard, William A., assignor.)
- Schöner, Bernhard, and O. Siebert, Dessau Anhalt, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Azo dyes. No. 1,408,405; Feb. 28.
- Schraepfer, Curt, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Mounting for electrodes with cooled metallic heads. No. 1,408,406; Feb. 28.
- Schreyer, Ernest G., and C. Hewson, Chicago, Ill. Toy. No. 1,408,037; Feb. 28.
- Schuette, August E., Red Bud, Ill. Driving mechanism. No. 1,407,890; Feb. 28.
- Schulte, Walter B., Madison, Wis., assignor to Burgess Battery Company. Dry battery. No. 1,408,140; Feb. 28.
- Schuyler, Montgomery, St. Louis, Mo. Gearing mechanism. No. 1,408,407; Feb. 28.
- Schwarzman, Alexander, assignor to Spencer Kellogg & Sons, Inc., Buffalo, N. Y. Manufacture of varnish oils. No. 1,407,952; Feb. 28.
- Schweich, Philip. (See Tillman, J. T., and Schweich.)
- Scott, Glenn A., Marion, Ind. Workbench. No. 1,408,408; Feb. 28.
- Scott, William M., Tredyffrin Township, Chester County, Pa. Switching apparatus. No. 1,407,953; Feb. 28.
- Seeder & Co. (See Seederer, Jacob E., assignor.)
- Seederer, Jacob E., assignor to Seederer & Co., New Rochelle, N. Y. Scale. No. 1,408,038; Feb. 28.
- Sender, Otto, Schaffhausen, Switzerland. Device for truing grinding wheels. No. 1,407,954; Feb. 28.
- Seward, George O., assignor to American Magnesium Corporation, Niagara Falls, N. Y. Electrolytic apparatus. No. 1,408,141; Feb. 28.
- Seward, George O., assignor to American Magnesium Corporation, Niagara Falls, N. Y. Electrolytic apparatus. No. 1,408,142; Feb. 28.
- Shanks, Jesse A. (See Snuffer, S. H., and Shanks.)
- Shaner, Joseph A., et al. (See Werts, William D., assignor.)
- Sheldon, Edgar H., Muskegon, Mich. Table and like article. No. 1,408,226; Feb. 28.
- Shenk, Adolphus M., A. Saltzer, and L. Saltzer, Calexico, Calif.; said A. Saltzer and said L. Saltzer assignors of one-sixth to said Shenk. Wrench. No. 1,408,143; Feb. 28.
- Shull, Wasyll, Palmerton, Pa. Trunk. No. 1,408,409; Feb. 28.
- Shepis, Frank, San Francisco, Calif. Automobile safety appliance. No. 1,408,227; Feb. 28.
- Side, Earle P., Kansas City, Mo. Kettle-lid holder. No. 1,408,410; Feb. 28.
- Siebert, Otto. (See Schöner, B., and Siebert.)
- Simon, Stephen, and W. O'Neill, New Haven, Conn. Curtain fixture. No. 1,407,823; Feb. 28.
- Sinclair, Alexander B., South Hadley Falls, assignor to Sleeper & Hartley, Inc., Worcester, Mass. Spring-coiling machine. No. 1,407,891; Feb. 28.
- Sincovitz, Victor, Pueblo, Colo. Automatic rail feed. No. 1,408,411; Feb. 28.
- Singer Manufacturing Company, The. (See Gatchell, George S., assignor.)
- Singh, Delph, Sydney, New South Wales, Australia. Rotary-type brick and briquetting press. No. 1,408,310; Feb. 28.
- Sirch, Charles W., Los Angeles, Calif. Vacuum-cleaned filter. No. 1,408,228; Feb. 28.
- Sisson, Vinton E., Chicago, Ill., assignor to W. P. Murphy, New York, N. Y. Drop-end gondola car. No. 1,407,824; Feb. 28.
- Skelly, Bernard H., Bridgeport, Conn. Dust cap for lubrication nipples. No. 1,408,229; Feb. 28.
- Slaymaker, George D., Detroit, Mich. Anchor or tie for loop ends. No. 1,408,230; Feb. 28.
- Sleeper & Hartley, Inc. (See Sinclair, Alexander B., assignor.)
- Sliworsky, Adam, and P. Dorozynsky, Winnipeg, Manitoba, Canada. Toy power machine. No. 1,408,412; Feb. 28.
- Slough, Frank M., Elyria, Ohio, assignors, by mesne assignments, to Stromberg-Arlson Telephone Mfg. Co., Rochester, N. Y. Telephone system. No. 1,407,892; Feb. 28.
- Smalley, George J., Hastings, Mich. Tape remover. No. 1,407,955; Feb. 28.
- Smith, Alfred H., New York, N. Y. Interchangeable car unit. No. 1,408,413; Feb. 28.
- Smith, Alfred H., New York, N. Y. Anchoring means for interchangeable car units. No. 1,408,414; Feb. 28.
- Smith, Alva T., Syracuse, N. Y. Envelope opener. No. 1,408,415; Feb. 28.
- Smith, A. O., Corporation. (See Andren, Birger T., assignor.)
- Smith, A. O., Corporation. (See Stresau, Richard, assignor.)
- Smith, Eric N., assignor of one-half to H. H. Dillinger, Hoytville, Ohio. Controlling device for tractors. No. 1,408,231; Feb. 28.
- Smith, Eric N., and H. H. Dillinger, Hoytville, Ohio. Steering mechanism for tractors. No. 1,408,416; Feb. 28.
- Smith, Elton W., Seattle, Wash. Railway spike. No. 1,407,893; Feb. 28.
- Smith, James T. (See Randall, C. F., Clark, and Smith.)
- Smith, Lulu M. (See Cookson, William S., assignor.)
- Smith, Roy H., Kent, Ohio. Making tools. No. 1,407,894; Feb. 28.
- Smith, Walter O., and J. E. Grenache, assignor to Ree-Nut Electric Manufacturing Company, New Bedford, Mass. Renewable fuse. No. 1,407,706; Feb. 28.
- Smith, Wilbur, Spring Green, Wis. Snow-clearing attachment for automobiles. No. 1,407,895; Feb. 28.
- Sneed, John L. T., Walters, Okla. Rotary toothbrush. No. 1,407,956; Feb. 28.
- Snook, H. R. (See Johnson, Clarence S., assignor.)
- Snow, Daniel W., Fillmore, Calif. Wire-rope socket. No. 1,408,144; Feb. 28.
- Souffer, Samuel H., and J. A. Shanks, Daniels, W. Va. Stump-puller and grubbing apparatus. No. 1,407,707; Feb. 28.
- Snyder, Frank S., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Ring inserter for milking-machine teat cups. No. 1,408,039; Feb. 28.
- Soderberg, Alfred A., Philadelphia, Pa. Guide map. No. 1,408,417; Feb. 28.
- Sorensen, Ulrick, Berwyn, Nebr. Governor for tractor. No. 1,407,957; Feb. 28.
- South of England Agricultural Machinery Company. (See Pell, Henry W. L., assignor.)
- Specialty Automatic Machine Company. (See La Bombard, Leon E., assignor.) (Reissue.)
- Specht, H. Mortimer. (See Schoele, Walter T., assignor.)
- Spencer Kellogg Sons, Inc. (See Schwarzman, Alexander, assignor.)
- Spencer Lens Co. (See Ott, H. N., and Bufton, assignors.)
- Sperling, Martin, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Electrode with cooled metallic heads. No. 1,408,418; Feb. 28.
- Spies, Jules G. (See Kuhn, F. Thomas, and Spiess.)
- Spitz, Samuel, assignor to W. V. Pumphrey and H. W. Schnebly, Oakland, Calif. License-plate holder. No. 1,407,896; Feb. 28.
- Spotswood Specialty Co. (See Hauck, Bernard K., assignor.)

- Standard Accessory Corporation. (See Bernecker, George E., assignor.)
- St. Clair, Byron W., Lynn, Mass., assignor to General Electric Company. Regulation of electrical apparatus. No. 1,408,040; Feb. 28.
- Steensrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Shaft coupling. No. 1,408,041; Feb. 28.
- Steiner, Walter, near Dayton, Ohio. Adjustable spotlight. No. 1,407,897; Feb. 28.
- Stevens, W. C., and E. D. Putt, assignors to The Firestone Tire and Rubber Company, Akron, Ohio. Bead-cut-off machine. No. 1,407,712; Feb. 28.
- Steward, John W. (See Huser, Adolf T., assignor.)
- Stewart, D. N., and J. L. Williams, Philadelphia, Pa., assignors to Academy Club Toy Making, Philadelphia, Pa. Mechanical toy. No. 1,407,825; Feb. 28.
- Stewart, Frank G., assignor to one-half to J. C. Williamson, Wheeling, W. Va. Screen-wire-stretching tool. No. 1,407,898; Feb. 28.
- Stice, Jesse H. (See Davis, J. O., and Stice.)
- Stirk, Greenwood and J. G., Halifax, England. Direct-current motor and generator. No. 1,407,953; Feb. 28.
- Stirk, John G. (See Stirk, Greenwood and J. G., assignors.)
- Stokke, Fred O., Minneapolis, Minn. Automatic loading pistol. No. 1,407,959; Feb. 28.
- Stolp, Frank H., Geneva, N. Y. Forming sheet metal. No. 1,408,232; Feb. 28.
- Stolz, Harry C., Franklin, Pa. Reversible clutch pulley. No. 1,407,899; Feb. 28.
- Stone, De Forest S., Takoma Park, Md. Jogging mechanism for printing presses. No. 1,408,419; Feb. 28.
- Stone, Harris D., assignor to The A. C. Gilbert Company, New Haven, Conn. Manufacture of commutator for electric motors. No. 1,407,776; Feb. 28.
- Storer, Fred L., Kelly, Wyo. Doubletree. No. 1,408,420; Feb. 28.
- Straight Line Regulator Corporation. (See Asbury, William, assignor.)
- Stresau, Richard, Wauwautosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Apparatus for electric welding. No. 1,407,900; Feb. 28.
- Stromberg-Carlson Telephone Mfg. Co. (See Slough, Frank M., assignor.)
- Sullivan, Eugene C., and W. C. Taylor, assignors to Corning Glass Works, Corning, N. Y. Glass. No. 1,408,145; Feb. 28.
- Sumner, Frederick M. (See Dautrick, Owen L., assignor.)
- Superior Damper Company. (See Randall, C. F., Clark, and Smith, assignors.)
- Supreme Electric Hair Cutting Corporation. (See Hermann, Otto, assignor.)
- Swick, Charles P., Waterbury, and F. O. Krantz, Oakville, assignors to American Ring Company, Waterbury, Conn. Making knobs. No. 1,407,960; Feb. 28.
- Swift, Harry, Webster, Mass. Device for drilling square holes. No. 1,408,042; Feb. 28.
- Symington, T. H., The Company. (See Barrows, Donald S., assignor.)
- Symington, T. H., Company, The. (See Wright, Ira O., assignor.)
- T. A. C. Limited. (See Tatchi, Percy G., assignor.)
- Tatchi, Percy G. Acton, London, assignor to T. A. C. Limited, Hanwell, England. Variable-speed gear. No. 1,408,421; Feb. 28.
- Taliaferro, Thomas L., Chicago, Ill., assignor to Phoenix Hermetic Company, Brooklyn, N. Y. Jar-closing machine. No. 1,407,901; Feb. 28.
- Taylor, William A., Winnipeg, Manitoba, Canada. Film-drying appliance. No. 1,407,961; Feb. 28.
- Taylor, William C. (See Sullivan, E. C., and Taylor.)
- Taylor, William H., Fort Thomas, Ky., assignor to one-half to The Val Duttonhofer Sons, Company, Cincinnati, Ohio. Manufacture of turned shoes. No. 1,408,043; Feb. 28.
- Teasdale, George W., St. Louis, Mo. Internal-combustion engine. No. 1,408,422; Feb. 28.
- Telautograph Corporation. (See Tiffany, George S., assignor.)
- Teubner, Ernst, Hohenneueendorf, near Berlin, Germany. Automatically-acting safety device for use in connection with carburetors of motor cars, motor boats, and flying machines. No. 1,408,233; Feb. 28.
- Tex Engineering Corporation. (See Textorius, Knut O. B., assignor.)
- Textorius, Knut O. B., assignor to Tex Engineering Corporation, New York, N. Y. Tire-forming core. No. 1,408,044; Feb. 28.
- Thomas, Cornilius, Tonyrefail, Wales. Dress and other fastening device. No. 1,408,311; Feb. 28.
- Thomas, Kurt R., Los Angeles, Calif. Bermuda grass cutter. No. 1,407,962; Feb. 28.
- Thomas, Lawrence H. (See Kuhn, F., Thomas, and Spiess.)
- Thompson, Archibald H., Syracuse, assignor, by mesne assignments, to Empire Seating Co., Inc., Rochester, N. Y. Combined chair and desk or table. (Reissue.) No. 15,296; Feb. 28.
- Thompson, Mary E., Fort Worth, Tex. Hair-wave former. No. 1,408,146; Feb. 28.
- Thomson, Judson L. (See Havener, A. R.)
- Thornton, John, Youngstown, Ohio. Furnace-door frame. No. 1,407,708; Feb. 28.
- Thornton, John E., West Hampstead, London, assignor to J. O. O'Brien, Manchester, England. Photographic-printing process. No. 1,408,312; Feb. 28.
- Thornton, John E., West Hampstead, London, assignor to J. O. O'Brien, Manchester, England. Photographic-printing process. No. 1,408,313; Feb. 28.
- Thornton, John E., West Hampstead, London, assignor to J. O. O'Brien, Manchester, England. Photographic-printing process. No. 1,408,314; Feb. 28.
- Thornton, John E., West Hampstead, London, assignor to J. O. O'Brien, Manchester, England. Photographic-printing process. No. 1,408,315; Feb. 28.
- Tibbals, Albert D., St. Louis, Mo. Staple strip. No. 1,407,709; Feb. 28.
- Tiffany, George S., Summit, N. J., assignor to Telautograph Corporation, Richmond, Va. Pantograph apparatus. No. 1,408,045; Feb. 28.
- Tillman, Joseph T., and P. Schweich, Minneapolis, Minn. Device for applying, removing, and sealing jar covers of Mason jars. No. 1,407,710; Feb. 28.
- Tobler, Henri, Hackensack, assignor to American Bromine Company, Maywood, N. J. Electrolytic apparatus. (Reissue.) No. 15,297; Feb. 28.
- Toledo Scale Company. (See Crane, Samuel G., assignor.)
- Towle, Elton L., Paterson, N. J. Sand-molding apparatus. No. 1,407,902; Feb. 28.
- Transit Vending Machine Company. (See Mann, James H., Jr., assignor.)
- Trenor, Albert D., New York, N. Y., assignor to J. H. Hammond, Jr., Gloucester, Mass. System for predirecting torpedoes. No. 1,408,147; Feb. 28.
- Trosclair, Leo E., New Orleans, La. Gas-regulating valve. No. 1,407,963; Feb. 28.
- Trumbull Electric Manufacturing Company, The. (See Getchell, Benjamin E., assignor.)
- Tucker, William J., Washington, D. C. Armor-piercing projectile. No. 1,408,148; Feb. 28.
- Turnbull, William, Peoria, Ill., assignor to The Holt Manufacturing Company, Stockton, Calif. Brake mechanism for chain track vehicles. No. 1,407,964; Feb. 28.
- U. S. Industrial Alcohol Co. (See Wilkie, Herman F., assignor.)
- Ulrich, Horace W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,408,046; Feb. 28.
- Underwood Typewriter Company. (See Campbell, George W., assignor.)
- Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
- United Shoe Machinery Corporation. (See Buckminster, Ira C., assignor.)
- Universal Milking Machine Company, The. (See Schmitt, John A., assignor.)
- Updegrave, William M., Johnstown, Pa. Coin-controlled apparatus. No. 1,408,317; Feb. 28.
- Upp, John W., Schenectady, N. Y., assignor to General Electric Company. Apparatus for assembling devices comprising a number of parts. No. 1,408,047; Feb. 28.
- Val Duttonhofer Sons Company, The. (See Taylor, William H., assignor.)
- Vallot, André, Paris, France. Device for mounting headlights on the bodies of motor cars. No. 1,408,149; Feb. 28.
- Virzi, Giuseppe, New York, N. Y. Sound-producing instrument. No. 1,408,150; Feb. 28.
- Wahlberg, Nils J. A., Wilkingsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Trolley-conductor clamp. No. 1,408,048; Feb. 28.
- Wall, Patrick, Pittsburgh, Pa. Can or receptacle. No. 1,407,903; Feb. 28.
- Waller, Carl R., assignor to De Laval Steam Turbine Company, Trenton, N. J. Governing means for marine turbines. No. 1,408,049; Feb. 28.
- Walter, Ern W., Woodlyne, N. J. Shoe horn. No. 1,408,318; Feb. 28.
- Waluch, Lawrence, Baltimore, Md. Necktie holder. No. 1,408,151; Feb. 28.
- Ware, William B., Memphis, Tenn. Controlling device for cookers. No. 1,407,965; Feb. 28.
- Ware, William P., Alderson, W. Va. Combined tie-plate and rail anchor. No. 1,408,319; Feb. 28.
- Warren, Henry E., Ashland, Mass., assignor to General Electric Company. Timing device. No. 1,408,050; Feb. 28.
- Wass, Andrew G., Minneapolis, Minn. Combined lock-bolt and joint-packing strip for French doors. No. 1,407,966; Feb. 28.
- Waters, Reginald H., Cumberland, Md., assignor to Kelly-Springfield Tire Company, New York, N. Y. Vehicle tire. No. 1,407,967; Feb. 28.
- Watt, Delton C., Danville, and F. A. Grearson, Barre, Vt. Angling device for automobiles and other uses. No. 1,407,713; Feb. 28.
- Wayne Oil Tank and Pump Company. (See Langston, Robert E., assignor.)
- Webber, William R., Wilsall, Mont. Automobile signal. No. 1,407,826; Feb. 28.
- Wegner, William F., assignor to one-half to M. A. Brower, New York, N. Y. Steam boiler. No. 1,408,052; Feb. 28.
- Weidely, George A., Indianapolis, Ind. Adjustable worm drive. No. 1,407,904; Feb. 28.
- Weizmann, Charles, and D. A. Legg, London, England. Production of secondary butyl alcohol. No. 1,408,320; Feb. 28.

- Wellman, Otto H., Dubuque, Iowa. Railway-car truck. No. 1,408,321; Feb. 28.
- Wellman-Seaver-Morgan Company. (See Case, Arthur F., assignor.)
- Wenderhold, William, New York, N. Y., assignor to Cru Patents Corporation. Motion-picture-shutter-adjusting mechanism. No. 1,407,905; Feb. 28.
- Wenderhold, William, New York, N. Y., assignor, by mesne assignments, to Cru Patents Corporation. Projection slide carrier. No. 1,407,906; Feb. 28.
- Wensley, Roy J., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Hot-cathode apparatus. No. 1,408,053; Feb. 28.
- Werts, William D., assignor of 11% to G. Feldcamp, 11% to J. A. Shearer, 11% to C. E. Garner, 11% to C. Calhoun, and 11% to R. Moore, Los Angeles, Calif. Rear-axle construction. No. 1,408,152; Feb. 28.
- Western Electric Company. (See Clausen, H. P., and Goodrum, assignors.)
- Western Electric Company. (See Ulrich, Horace W., assignor.)
- Westinghouse Electric & Manufacturing Co. (See Schmidt, Henry F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Austin, Walter M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Boddie, Clarence A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Bradshaw, William M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See MacGahan, Paul, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Miller, John H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Wahlberg, Nils J. A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Wensley, Roy J., assignor.)
- Weymann, Charles T., Neuilly-sur-Seine, France. Auxiliary liquid-forcing device for carburetors. No. 1,408,322; Feb. 28.
- Whipple, Leland B., Rochester, N. Y., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me. Last lathe. No. 1,407,728; Feb. 28.
- Whitcomb, Lee, Plainfield, Ill. Piston ring. No. 1,407,714; Feb. 28.
- White, Fred G., assignor to A. P. F. Pico, Kansas City, Mo. Autographic register. No. 1,407,907; Feb. 28.
- White, S. S. Dental Manufacturing Company, The. (See Porter, Will R., assignor.)
- Whitmore, William C., et al. (See Zimmer, George, assignor.)
- Whittam, Thomas, West Kendall, N. Y. Fruit trimmer and slicer. No. 1,408,051; Feb. 28.
- Whyte, Frederick M., Tarrytown, N. Y. Car end construction. No. 1,408,234; Feb. 28.
- Wicks Boiler Company, The. (See Baker, John F. L., assignor.)
- Wickersham, Elmer E., assignor to The Holt Manufacturing Company, Stockton, Calif. Land torpedo. No. 1,407,969; Feb. 28.
- Wickersham, Elmer E., Stockton, Calif. Air cleaner. No. 1,407,968; Feb. 28.
- Wickersham, Elmer E., assignor to The Holt Manufacturing Company, Stockton, Calif. Truck-compensating mechanism. No. 1,407,970; Feb. 28.
- Wickersham, Elmer E., assignor to The Holt Manufacturing Company, Stockton, Calif. Positive-reduction clutch. No. 1,407,971; Feb. 28.
- Wickersham, Elmer E., assignor to The Holt Manufacturing Company, Stockton, Calif. Tractor. No. 1,407,972; Feb. 28.
- Wickersham, Elmer E., assignor to The Holt Manufacturing Company, Stockton, Calif. Tractor-frame suspension. No. 1,407,973; Feb. 28.
- Wilcox, Lewis T., Peekskill, N. Y. Grate for gas and oil stoves. No. 1,408,235; Feb. 28.
- Wiley, Clarence F., Taunton, Mass., assignor to Magee Furnace Company, Inc., Boston, Mass. Combination coal and gas range. No. 1,407,715; Feb. 28.
- Williams, Charles J., Pocatello, Idaho. Extracting device for automobiles. No. 1,408,323; Feb. 28.
- Williams, Charles M., San Diego, Calif. Bin. No. 1,408,054; Feb. 28.
- Williams, Clarence S. A. (See Haupt, William F., assignor.)
- Williams, Griffith E., Cambria, Wis. Motor sled. No. 1,407,974; Feb. 28.
- Williams, John L. (See Stewart, D. N., and Williams.)
- Williams, John R., Rochdale, England. Separator for ring-spinning and like machines. No. 1,408,324; Feb. 28.
- Williams, Milton F., assignor to Williams Patent Crusher & Pulverizer Company, St. Louis, Mo. Cage for reducing machines. No. 1,408,055; Feb. 28.
- Williams Patent Crusher & Pulverizer Company. (See Williams, Milton F., assignor.)
- Williams, William, Dugger, Ind. Closure fastener. No. 1,408,236; Feb. 28.
- Williamson, J. C. (See Stewart, Frank G., assignor.)
- Willkie, Herman F., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Varnish paint or cement and making the same. No. 1,408,325; Feb. 28.
- Willys-Overland Company, The. (See Belden, Edward H., assignor.)
- Wilmotte, Joseph, Ciney, Belgium. Milking machine. No. 1,408,326; Feb. 28.
- Wilson, Edgar H., and W. C. Ehrenfeld, Flemington, N. J. Spinning roll for spinning mills. No. 1,408,327; Feb. 28.
- Wilson, Samuel H., Cartersville, Ga. Lamp attachment. No. 1,408,328; Feb. 28.
- Wilson, William H. (See Land, Charles H., Jr., assignor.)
- Winners, David L., Philadelphia, Pa. Two-cycle internal-combustion engine. No. 1,408,329; Feb. 28.
- Winters, Robert E., Coraopolis, assignor of one-half to A. E. Dean, Pittsburgh, Pa. Speed-change mechanism. No. 1,407,716; Feb. 28.
- Wirebands Patents Company. (See Bauwens, Seraphine E., assignor.)
- Witte, Gustav A., Philadelphia, Pa., assignor to International Precipitation Company, Los Angeles, Calif. Means for utilizing waste furnace gases. No. 1,407,717; Feb. 28.
- Witter, Claude A., Philadelphia, Pa. Manufacturing metallic shapes. No. 1,408,330; Feb. 28.
- Wohl, Alfred, Danzig-Langfuhr, Germany. Explosive. No. 1,408,056; Feb. 28.
- Wolfe, Clinton L., Brooklyn, and J. A. Faurot, New York, N. Y. Window-hole protector. No. 1,407,975; Feb. 28.
- Wolf, Lorenz R., Los Angeles, Calif. Automatic stop and start device for phonographs. No. 1,407,908; Feb. 28.
- Wood, Albert B., et al. (See Earl, George G., assignor.)
- Wood, Charles R., Fargo, N. D. Rule pocket. No. 1,407,827; Feb. 28.
- Woodman, William E. (See Crompton, R., and Woodman.)
- Wright, Bert R., Foughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Brake for centrifugal machines. No. 1,407,777; Feb. 28.
- Wright, Ira O., Baltimore, Md., assignor to The T. H. Symington Company, New York, N. Y. Draft rigging. No. 1,407,976; Feb. 28.
- Wyskwarko, Gregory, Chicago, Ill. Trap. No. 1,407,909; Feb. 28.
- Yale & Towne Manufacturing Company, The. (See Berry, Charles A., assignor.)
- Yeomans, Frank P., Oakland, Calif. Noiseless railway crossing. No. 1,407,778; Feb. 28.
- Yocum, William D., Wetumka, Okla. Nut lock. No. 1,407,779; Feb. 28.
- Zehnder, William, Pittsburgh, Pa. Floor-scrubbing machine. No. 1,408,331; Feb. 28.
- Ziler, Corban H., assignor of one-half to Leggett & Platt Spring Bed Co., Limited, Windsor, Ontario, Canada. Producing clips and the like. No. 1,407,977; Feb. 28.
- Zimmer, A. G., et al. (See Zimmer, George, assignor.)
- Zimmer, George, Acampo, assignor of one-fourth to W. C. Whitmore and one-fourth to A. A. G. Zimmer, Oakland, Calif. Drawbar for tractors. No. 1,408,057; Feb. 28.
- Zimmerman, Andrew J., Remington, Ind. Steel fencepost. No. 1,408,332; Feb. 28.
- Zoekchrome Limited. (See Mills, T. A., assignor.)
- Zotkiewicz, John, Mount Carmel, Pa. Rail-fastening means. No. 1,408,058; Feb. 28.

ALPHABETICAL LIST OF PATENTEES OF DESIGNS.

-
- | | |
|---|--|
| <p>Altenberg, George P., assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio. Vacuum-insulated jug. No. 60,483; Feb. 28.</p> <p>Barth, L., & Son. (See Engelhardt, Martin M., assignor.)</p> <p>Berger, Joseph, New York, N. Y. Clock or similar article. No. 60,484; Feb. 28.</p> <p>Butler, Silas E., assignor to The Gross Photo Supply Company, Toledo, Ohio. Picture mount. No. 60,485; Feb. 28.</p> <p>Cinq-Mars, Legendre, San Francisco, Calif. Gas-radiator section. No. 60,486; Feb. 28.</p> <p>Cohn, Louis J. (See Rosenthal, Louis, assignor.)</p> <p>Collins, Maurice W., Cheyenne, Wyo. Desk utensil—namely, a paper weight, inkstand, or similar article. No. 60,487; Feb. 28.</p> <p>Davis, Rees, Chicago, Ill. Doll. No. 60,488; Feb. 28.</p> <p>Engelhardt, Martin M., New York, N. Y., assignor to L. Barth & Son. Plate or similar article. No. 60,489; Feb. 28.</p> <p>Ford & Manion. (See McCloskey, James F., assignor.)</p> <p>Gaertner, Victor, New York, N. Y. Bread tray or similar article. No. 60,490; Feb. 28.</p> <p>Gowan, Ida C., San Diego, Calif. Doll. No. 60,491; Feb. 28.</p> <p>Gross Photo Supply Company, The. (See Butler, Silas E., assignor.)</p> <p>Harris, William S., Bremerton, Wash. Automobile-radiator ornament. No. 60,492; Feb. 28.</p> | <p>Henley, Bernard J., Detroit, Mich. Measuring instrument for draftsmen's use. No. 60,493; Feb. 28.</p> <p>Icy-Hot Bottle Company, The. (See Altenberg, George P., assignor.)</p> <p>Johnson, Axel E., Muskegon, Mich. Step tread. No. 60,495; Feb. 28.</p> <p>Kreisler, Jacques, New York, N. Y. Finger ring. No. 60,495; Feb. 28.</p> <p>McCloskey, James F., assignor, by mesne assignments, to Ford & Manion, Wilmington, Del. Electric immersion heater. No. 60,496; Feb. 28.</p> <p>Mitz, Jacob, Springhill, Nova Scotia, Canada. Inkwell. No. 60,498; Feb. 28.</p> <p>Ouzoun-Boghossian, Sissag K., Washington, D. C. Watch-movement case. No. 60,497; Feb. 28.</p> <p>Peterson, Haakon, Coeur D'Alene, Idaho. Frame for pictures, mirrors, and the like. No. 60,499; Feb. 28.</p> <p>Rosenthal, Louis, assignor of one-half to L. J. Cohn, Baltimore, Md. Pin, brooch, or ring. No. 60,500; Feb. 28.</p> <p>Ross, Charles J., Oakland, Calif. Doll. No. 60,501; Feb. 28.</p> <p>Stieger, Bennie, New York, N. Y. Lighting-fixture member or article of similar nature. No. 60,502; Feb. 28.</p> <p>Topel, Frank H., Kenosha, Wis. Automobile-radiator ornament, badge, button, or article of similar nature. No. 60,503; Feb. 28.</p> <p>Weiner, Leo, Providence, R. I. Charm. No. 60,504; Feb. 28.</p> |
|---|--|
-

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- Acme Grease & Oil Manufacturing Co., The, Cleveland, Ohio. Lubricating oil. No. 20,226; renewed Oct. 13, 1921.
- Acme Universal Joint Mfg. Co., Kalamazoo, Mich. Universal joints. No. 152,557; Feb. 28.
- Ainsworth, Harry G., Kentland, Ind. Machinery for controlling the operation of doors. No. 152,334; Feb. 28.
- Aktiengesellschaft fur Textil-Industrie, vormals Dollfus-Meig & Cie., Mulhausen, Germany, and Belfort and Paris, France; Dollfus-Meig & Cie., Société Anonyme, successor. Sewing cotton, linen and hemp yarns and thread, jute yarns, silk spun, thrown or sewing, and yarns of wool, worsted, or hair. Nos. 20,543-4; renewed Jan. 5, 1922.
- Alling and Cory Company, The, Pittsburgh, Pa. Ledger papers. No. 152,335; Feb. 28.
- All Saints Cigar Company, Tampa, Fla. Cigars. No. 152,336; Feb. 28.
- Almetal Manufacturing Company, Maplewood, Mo. Laundry washing machines. No. 152,559; Feb. 28.
- Amco Sales Corporation, Chicago, Ill. Metallic tanks. No. 152,337; Feb. 28.
- American Brewing Company, The, St. Louis, Mo. Beer. No. 20,306; renewed Nov. 3, 1921.
- American Drug and Chemical Co., Gettysburg, Pa. Toy chemical sets. No. 152,338; Feb. 28.
- American Fruit Growers of Palestine, Inc., Boston, Mass. Oranges and lemons. No. 152,339; Feb. 28.
- American Gas Machine Company, Inc., Albert Lea, Minn. Coke and wood camp stoves. No. 152,560; Feb. 28.
- American Hominy Company, Indianapolis, Ind., and Decatur, Ill. Wheat flour. No. 152,340; Feb. 28.
- American Steel and Wire Company of New Jersey. Wire fencing. No. 152,561; Feb. 28.
- American Writing Paper Company, Holyoke, Mass. Writing and printing papers and mailing envelopes. Nos. 152,341-2; Feb. 28.
- American Writing Paper Company, Holyoke, Mass. Writing and printing papers and mailing envelopes. No. 152,562; Feb. 28.
- Anthony Company, The, Long Island City, N. Y. Certain named electrical apparatus. No. 152,563; Feb. 28.
- Ascher, Leopold, New York, N. Y. Leather and hair brushes. No. 152,343; Feb. 28.
- Atlantic Refining Company, The, Philadelphia, Pa. Road and roofing oils and petroleum asphalts and pitches. No. 152,344; Feb. 28.
- Banner Silk Knitting Mills, Inc., The, New York, N. Y. Fiber-silk jersey cloth. No. 152,345; Feb. 28.
- Beck, Addison L., Sharon, Pa. Headache powders, corn cure, cough drops, tooth cordial, pills, and inhalers. No. 20,450; renewed Dec. 8, 1921.
- Behrens Dairy Products Company, Inc., New Orleans, La. Milk, cheese, and eggs. No. 152,346; Feb. 28.
- Benzoline Motor Fuel Co., Chicago, Ill. Motor-fuel oil. No. 152,564; Feb. 28.
- Berkeley Company, Providence, R. I. Cotton sheeting in the piece. No. 152,347; Feb. 28.
- Berkeley Company, Providence, R. I. Cambrics in the piece. No. 152,348; Feb. 28.
- Berkeley Company, Providence, R. I. Cotton madras in the piece. No. 152,349; Feb. 28.
- Bernhard Ulmann Co. Inc., New York, N. Y. Woven textile fabrics used as foundation for art needle work. Nos. 152,525-6; Feb. 28.
- Besto Syrup Co., Des Moines, Iowa. Malt sirup for food purposes. No. 152,565; Feb. 28.
- Bianchini, Ferier, Lyon, France. Piece goods of silk, wool, and cotton. No. 152,350; Feb. 28.
- Biloxi Fisherman's Packing Co., Biloxi, Miss. Canned oysters and shrimp. No. 152,566; Feb. 28.
- Birmingham Slag Co., Birmingham, Ala. Brick and cementitious tile. No. 152,351; Feb. 28.
- Blake & Stearns, Boston, Mass. Woolens and worsteds in the piece. No. 152,352; Feb. 28.
- Bloch Bros. Tobacco Co., The, Wheeling, W. Va. Cigarettes. No. 152,353; Feb. 28.
- Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. Nos. 152,354; Feb. 28.
- Bobwhite Chemical Corporation, New York, N. Y. Insecticides, disinfectants, etc. No. 152,567; Feb. 28.
- Borgfeldt, George, & Co., New York, N. Y. Dolls. Nos. 152,357-8; Feb. 28.
- Boston Mfg. Company, 1901, The, Waltham, Mass. Cotton piece goods. No. 152,359; Feb. 28.
- Boston Pressed Metal Company, Worcester, Mass. Last thimbles. No. 152,360; Feb. 28.
- Bradley & Vrooman Company, Chicago, Ill. Dry, paste, and ready-mixed paints. No. 152,568; Feb. 28.
- Breyer Ice Cream Company, Philadelphia, Pa. Ice cream. No. 152,569; Feb. 28.
- Brown Company, Portland, Me., and Berlin, N. H. Icings, coatings, frostings. No. 152,361; Feb. 28.
- Brown, Henry S., Seattle, Wash. Mayonnaise salad dressing, Thousand-Island dressing. No. 152,362; Feb. 28.
- Brown, L. L., Paper Company, Adams, Mass. Writing papers. No. 152,570; Feb. 28.
- Bruck, Sam, Inc., New York, N. Y. Edible vegetable oils. No. 152,363; Feb. 28.
- Brude, Arthur C., Virginia, Minn. Game. No. 152,364; Feb. 28.
- Buttermilk Sales Co., Chicago, Ill. Dried buttermilk. No. 152,365; Feb. 28.
- Central Brass Manufacturing Co., The, Cleveland, Ohio. Drinking fountains for human use. No. 152,571; Feb. 28.
- Central Paper Company, Menasha, Wis. Adding-machine paper. No. 152,366; Feb. 28.
- Central Scientific Company, Chicago, Ill. Optical disks and accessories therefor. No. 152,572; Feb. 28.
- Charles William Stores, Inc., The, Brooklyn, N. Y. Clothes for small boys—namely, wash suits, rompers, blouses, and pants. No. 152,367; Feb. 28.
- Charpillos, Alexis, Chatelaine, Switzerland. Tire valves. No. 152,368; Feb. 28.
- Chase & Company Corporation, Boston, Mass., assignor to New England Confectionery Company. Small sugared sticks of candy. No. 20,033; renewed Aug. 18, 1921.
- Clark Thread Company, Newark, N. J. Cotton thread. Nos. 20,529-30; renewed Dec. 29, 1921.
- Clear Vision Pump Company, The, Wichita, Kans. Gasoline measuring and dispensing pumps. No. 152,573; Feb. 28.
- Clifton Manufacturing Co., Waco, Tex. Cotton-picking sacks. Nos. 152,574-7; Feb. 28.
- Cohen, N. B., Scranton, Pa. Hair nets. No. 152,369; Feb. 28.
- Colby Steel and Engineering Co., Seattle, Wash. Cranes. No. 152,370; Feb. 28.
- Colletti, Angelo, Chicago, Ill. Nonalcoholic beverage. No. 152,371; Feb. 28.
- Collins Flour Mills, Pendleton, Oreg. Wheat flour. No. 152,372; Feb. 28.
- Congress Cigar Co., Philadelphia, Pa. Cigars. No. 152,373; Feb. 28.
- Conley Foil Company, The, New York, N. Y. Decorations made of tin foil suitable for ornamentation of Christmas trees. No. 152,374; Feb. 28.
- Consolidated Companies Inc., Plaquemine, Morgan City, St. Martinsville, New Roads, and White Castle, La. Chewing and smoking tobacco. No. 152,375; Feb. 28.
- Coors, Adolph B. & M. Company, Golden, Colo. Malted milk, malt sirup, flaked skim milk. No. 152,558; Feb. 28.
- Cott-A-Lap Company, Somerville, N. J. Floor coverings. No. 152,376; Feb. 28.
- Cruzen-Allegretti Co., Chicago, Ill. Candies. No. 152,377; Feb. 28.
- Cyclemotor Corporation, Rochester, N. Y. Power-driven bicycles. No. 152,578; Feb. 28.
- Daggett, E. P. Canning Co., Coopersville, Mich. Irish stew. No. 152,378; Feb. 28.
- Daly, Flora P., assignor to Dime Cafeteria, Mansfield, Ohio. Pastry and certain canned goods. No. 152,379; Feb. 28.
- Davis, Samuel P., Little Rock, Ark. Cattle and stock feed. No. 152,380; Feb. 28.
- Dawes, John L., Pittsburgh, Pa. Electrically-illuminated signs. No. 152,579; Feb. 28.
- De Forest Radio Telephone and Telegraph Company, New York, N. Y. Motion-picture films, cameras, projecting and talking moving-picture machines. Nos. 152,381-2; Feb. 28.
- Denver Alfalfa Milling & Products Co., The, Lamar, Colo. Alfalfa meal. No. 152,383; Feb. 28.
- Dettra, John C., Oaks, Pa. Hedge trimmers. No. 152,384; Feb. 28.
- Devoine Candy Company, Baltimore, Md. Chocolate sirups and other maltless sirups. No. 152,385; Feb. 28.
- Dexter Folder Company, New York, N. Y. Certain paper-handling machines. No. 152,386; Feb. 28.
- Diamond Bottling Corporation, The, Waterbury Conn. Nonalcoholic beverages and sirups for making same. No. 152,387; Feb. 28.
- Dime Cafeteria. (See Daly, Flora P., assignor.)
- Dollfus-Meig & Cie. Société Anonyme, Successor. (See Aktiengesellschaft fur Textil-Industrie, vormals Dollfus-Meig & Cie.) (Renewed.)
- Donnelly, Hugh A., St. Louis, Mo. Piece goods—namely, cambrics. No. 152,388; Feb. 28.
- Dorite Manufacturing Company, New York, N. Y. Stucco and composition flooring. No. 152,389; Feb. 28.
- Du Bois Machine Company, Albany, N. Y. Metallic oil rings. No. 152,580; Feb. 28.
- Duff Manufacturing Company, The, Pittsburgh, Pa. Lifting jacks and parts thereof. No. 152,581; Feb. 28.
- "Dynamo" Tulle Importing Co., The, New York, N. Y. Tulle, muslins, crepes, silks, veils and veillings and nettings in the piece. No. 152,390; Feb. 28.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- Electrostop Manufacturing Company, Inc., Philadelphia, Pa. Razor stropping and honing machines, razor-blade holders, etc. No. 152,391; Feb. 28.
- Empire Silk Company, Wilmington, Del., and New York, N. Y. Silk piece goods. No. 152,392; Feb. 28.
- Equinox Mountain Spring, Inc., New York, N. Y. Maple sirup, maple sugar, maple cream, maple-sugar candy. No. 152,393; Feb. 28.
- Erbes, William O., Goldendale, Wash. Phonographs and talking machines. No. 152,582; Feb. 28.
- Erlanger, N. Blumgart & Co. Inc., New York, N. Y. Cotton, silk, etc., piece goods. No. 152,394; Feb. 28.
- Erlanger, N. Blumgart & Co., Inc., New York, N. Y. Linen, cotton, silk, and mixed piece goods. No. 152,583; Feb. 28.
- Escofet, Rafael, Tarragona, Spain. Unfermented grape juice and juice of other fruits. No. 152,395; Feb. 28.
- Evans Builders Company, The, Uhrichsville and Cincinnati, Ohio, and Washington, D. C. Certain building materials. No. 152,396; Feb. 28.
- Excel Mfg. Company, Milwaukee, Wis. Billiard and pocket tables. No. 152,584; Feb. 28.
- Fabricated Steel Products Corporation, New York, N. Y., and Leetonia, Ohio. Receptacles, particularly classed as tanks. No. 152,397; Feb. 28.
- Ferguson, W. M., Fresno, Calif. Rugs. No. 152,398; Feb. 28.
- Fireproof Products Co. Inc., The, New York, N. Y. Roof coating consisting of oil and asbestos fiber and mastic roofing cement. No. 152,399; Feb. 28.
- Flexstone Flooring Company, The, Columbus, Ohio. Composition flooring. No. 152,400; Feb. 28.
- Flynn, John H., Jr., Cincinnati, Ohio. Tackle blocks. No. 152,401; Feb. 28.
- Follansbee Brothers Company, Pittsburgh, Pa. Ferrous-metal plates and sheets. Nos. 152,585-6; Feb. 28.
- Fort Dummer Mills, Brattleboro, Vt. Cotton piece goods. No. 152,587; Feb. 28.
- Fowler, John E., Rosslyn, Va. Nonalcoholic maltless beverage and sirup therefor. No. 152,588; Feb. 28.
- Fox, Samuel, & Company, Limited, Stocksbridge Works, near Sheffield, England. Umbrellas, umbrella ribs, stretchers, and frames of metal. No. 20,632; renewed Jan. 26, 1922.
- Franco Electric Corporation, Brooklyn, N. Y. Dry batteries. No. 152,589; Feb. 28.
- Franklin, Richard, New York, N. Y. Clinical thermometer. No. 152,402; Feb. 28.
- Fuller Brush Company, The, Hartford, Conn. Mops, brushes, brooms, cotton daubers, dusters. No. 152,403; Feb. 28.
- Garner, Harry T., Sioux Falls, S. D. Rodent poison. No. 152,404; Feb. 28.
- Garner Print Works and Bleachery, New York, N. Y. Cotton piece goods. Nos. 152,590-1; Feb. 28.
- General Coffee and Tea Company, The, Baltimore, Md. Coffee. No. 152,405; Feb. 28.
- Gener, José, Habana, Cuba. Cigars. No. 19,887; renewed July 14, 1921.
- Getchell, Dennis F., Limestone, Me. Fresh potatoes for table and seed purposes. No. 152,406; Feb. 28.
- Gilman Bros. Inc., Boston, Mass. Hair nets and handkerchiefs. No. 152,407; Feb. 28.
- Gong Bell Manufacturing Co., The, East Hampton, Conn. Toy graphophones and telephones. No. 152,408; Feb. 28.
- Goodrich, B. F., Company, The, New York, N. Y. Mats made wholly or partly of rubber or having rubber incorporated therein. No. 152,409; Feb. 28.
- Gould Manufacturing Company. (See Richards Manufacturing Company, assignor.)
- Grammes, L. F. & Sons, Allentown, Pa. Nail pullers. No. 152,410; Feb. 28.
- Grays Harbor Shingle Company, Aberdeen, Wash. Wood shingles. No. 152,411; Feb. 28.
- Great Western Smelting & Refining Company, Chicago, Ill. Babbitt metal, solder, brass, aluminum, etc. No. 152,412; Feb. 28.
- Greene, Tweed & Co., New York, N. Y. Lubricators. No. 152,592; Feb. 28.
- Greenfield's, L., Sons, New York and Brooklyn, N. Y. Chocolate candies. No. 152,413; Feb. 28.
- Grey, Herbert J., New York, N. Y. Outing outfits. No. 152,414; Feb. 28.
- Grove, Neamatalla, Merritts Island, Fla. Fresh citrus fruits. No. 152,415-7; Feb. 28.
- Guhl & Harbeck, Hamburg, Germany. Sewing machines. No. 152,418; Feb. 28.
- Gulf Coast Produce Exchange, Mobile, Ala. Fresh cabbage, beans, potatoes, peaches, watermelons. No. 152,419; Feb. 28.
- H. & E. Cigar Company, Lancaster, Pa. Cigars. No. 152,423; Feb. 28.
- Hamler Boiler & Tank Company, Chicago, Ill. Steam-jacketed agitator-type driers. No. 152,593; Feb. 28.
- Hardright Company, The, Belleville, N. J. Lather brushes. No. 152,420; Feb. 28.
- Hardy, F. A., & Company, Chicago, Ill. Eyeglass frames and mountings. No. 152,594; Feb. 28.
- Hardy, F. A., & Company, Chicago, Ill. Ophthalmometers. No. 152,595; Feb. 28.
- Hardy, F. A., & Company, Chicago, Ill. One-piece eyeglass mountings. No. 152,596; Feb. 28.
- Harley, E. C., Company, Dayton, Ohio. Canned goods, molasses, tea, spices, etc. No. 152,597; Feb. 28.
- Hauser & Weil, New York, N. Y. Blank telephone register. No. 152,598; Feb. 28.
- Hayes Manufacturing Co., Paterson, N. J. Safety valves. No. 152,599; Feb. 28.
- Hussmann, Harry L., Refrigerator & Supply Company, St. Louis, Mo. Freezer display counter. No. 152,429; Feb. 28.
- Heger Bird Company, St. Paul, Minn. Fish food. No. 152,421; Feb. 28.
- Heger Bird Co., The, St. Paul, Minn. Bird seeds and foods. No. 152,422; Feb. 28.
- Heidgerd, D & H, New York, N. Y. Pongee silk, linen and cotton ducks, silk vestings, etc. No. 152,424; Feb. 28.
- Herbert, George H., St. Petersburg, Fla. Liquid automobile and furniture polish. No. 152,600; Feb. 28.
- Herzig, Siegfried M., Los Angeles, Calif. Motion-picture films. No. 152,425; Feb. 28.
- Hillierich & Bradsby Co. Inc., Louisville, Ky. Baseball bats. No. 152,426; Feb. 28.
- Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. No. 152,427; Feb. 28.
- I-C Manufacturing Company, Chicago, Ill. Grease and oil guns and connections therefor. No. 152,430; Feb. 28.
- Industrial Paper Company, Baltimore, Md. Toilet and wrapping paper. No. 152,431; Feb. 28.
- International Harvester Company, Chicago, Ill. Certain agricultural machinery and tractors and tractor hitches. No. 152,433; Feb. 28.
- Irwin, Murry, Cleveland, Ohio. Household and general office inventory record blanks. No. 152,434; Feb. 28.
- Johnson & Bonnier, Detroit, Mich. Brand of candy. No. 152,435; Feb. 28.
- Johnson, H. A., Co., Boston, Mass. Certain extracts and sirups for making nonalcoholic beverages. No. 152,602; Feb. 28.
- Jones, Harry M., Chicago, Ill. Diagnostic instruments for measuring the rate of oxygen consumption. No. 152,437; Feb. 28.
- Kasser, Herman, Philadelphia, Pa. Malt extract. No. 152,436; Feb. 28.
- Katchall Mouse Trap Manufacturing Co., Greenville, Miss. Mousetraps. No. 152,438; Feb. 28.
- Kaufman, Matthew, New York, N. Y. Hair nets. No. 152,439; Feb. 28.
- Keller, L. H., & Co. Inc., New York, N. Y. Watch springs. No. 152,603; Feb. 28.
- Kepesh, Martin, New York, N. Y. Hair nets. No. 152,441; Feb. 28.
- Kiddle Garment Co., Inc., New York, N. Y. Boys' wash suits and girls' dresses. No. 152,442; Feb. 28.
- Kingwell Bros., San Francisco, Calif. Certain castings. No. 152,443; Feb. 28.
- Kirk, James S., & Company, Chicago, Ill. Soap. No. 152,444; Feb. 28.
- Kleinert, I. B., Rubber Company, New York, N. Y. All-rubber baby pants and waders, etc. No. 152,445; Feb. 28.
- Koehring Company, Milwaukee, Wis. Concrete mixers and distributing machines, loading skips, locomotive cranes, etc. No. 152,447; Feb. 28.
- Krank, Alfred J., St. Paul, Minn. Cleansing cream. No. 152,604; Feb. 28.
- Krasnow, R. & Sons, Inc., Pittsburgh, Pa. Fresh grapes. No. 152,448; Feb. 28.
- Kyoto Manufacturing & Trading Co., New York, N. Y. Certain named toilet brushes. No. 152,605; Feb. 28.
- Lackawanna Foundry Company, Dickson, Pa. Gas and oil stoves and ranges. No. 152,606; Feb. 28.
- Lammertz, Leo, Aix-la-Chapelle, Germany. Sewing and embroidering machine needles. No. 152,449; Feb. 28.
- Landers, Frary & Clark, New Britain, Conn. Weighing scales. No. 152,607; Feb. 28.
- Lava Crucible Company of Pittsburgh, Pittsburgh, Pa. Crucibles. No. 152,608; Feb. 28.
- Lehigh Portland Cement Company, Allentown, Pa. Portland cement. No. 152,609; Feb. 28.
- Lemoiné, Jules L., Paris, France. Coffee percolators, coffee and tea urns, etc. No. 152,432; Feb. 28.
- Lobl Manufacturing Company, The, Middleboro, Mass. Ice bags. No. 152,610; Feb. 28.
- Lockwood, Harry M., Redondo Beach, Calif. Canned fruits. No. 152,450; Feb. 28.
- Lorraine Manufacturing & Importing Company, Grand Haven, Mich. Hair nets. No. 152,451; Feb. 28.
- Lovejoy, Ralph M., Boston, Mass. Certain vehicle parts and accessories. No. 152,611; Feb. 28.
- Lowe Brothers Company, The, Dayton, Ohio. Wall sizing. No. 152,612; Feb. 28.
- Macaulay, John, Detroit, Mich. Hop barley malt sugar sirup for the manufacture of a beverage. No. 152,453; Feb. 28.
- Magneto Attachment Co. Inc., New York, N. Y. Attachments for fitting magnets to internal-combustion engines and magneto drive couplings therefor. No. 152,454; Feb. 28.
- Mallinson, H. R., & Co. Inc., New York, N. Y. Silk piece goods. No. 152,455; Feb. 28.
- Marcus & Smith, New York, N. Y. Powder puffs. No. 152,456; Feb. 28.

- Marshall-Wells Company, Duluth, Minn. Children's express and coaster wagons. No. 152,457; Feb. 28.
- McCrary, John N., High Point, N. C. Cigars. No. 152,452; Feb. 28.
- McLellan, Royal H., Norwalk, Conn. Dental cream. No. 152,613; Feb. 28.
- Measuregraph Company, The, St. Louis, Mo. Signals and trip mechanism for arresting operations of a machine. No. 152,458; Feb. 28.
- Metal Office Furniture Co., Grand Rapids, Mich. Safes. No. 152,614; Feb. 28.
- Metropolitan-Vickers Electrical Co. Ltd., London, England. Certain machinery and condensers. No. 152,459; Feb. 28.
- Meyer, Bernard M., Louisville, Ky. Stogies. No. 152,460; Feb. 28.
- Mi Favorite Cigar Company, Inc., New York, N. Y. Cigars. No. 152,461; Feb. 28.
- Miller Rubber Company, The, Akron, Ohio. Certain medical and surgical appliances. No. 152,615; Feb. 28.
- Mitroe Export & Import Co., Inc., New York, N. Y. Projection screens for moving pictures. No. 152,462; Feb. 28.
- Morrison, William N., Los Angeles, Calif. Key-ring hooks. No. 152,463; Feb. 28.
- Mueller Metals Company, Port Huron, Mich. Metal (commercial) rod. Nos. 152,464-5; Feb. 28.
- Mullis, Charles Manufacturing Company, The, Greensburg, Ind. Ornamental and ornamented pottery. No. 152,466; Feb. 28.
- Nathan and Cohen Co. Inc., New York, N. Y. Silk and cotton warp mixture piece goods. No. 152,616; Feb. 28.
- National Asbestos Manufacturing Co., Jersey City, N. J. Prepared roofing. No. 152,467; Feb. 28.
- National Carbon Company, Inc., New York, N. Y. Electric batteries. No. 152,617; Feb. 28.
- New Britain Tool and Manufacturing Company, The, New Britain, Conn. Certain metal-working tools. No. 152,468; Feb. 28.
- New England Confectionery Company. (See Chase & Company Corporation, assignors.) (Renewed.)
- New Jersey Paper Tube Company, Englewood, N. J. Soda straws. No. 152,618; Feb. 28.
- New York Consolidated Card Company, The, New York, N. Y. Playing cards. No. 21,093; renewed May 10, 1922.
- Ney, J. M., Company, Hartford, Conn. Gold alloys for dental purposes. No. 152,619; Feb. 28.
- Nissen, John J., Baking Company, Portland, Me. Bread, biscuits, cake, etc. No. 152,469; Feb. 28.
- Noll-Welty Lumber Company, The, Kansas City, Mo. Shingles, roofing paper, building-paper and wallboard. No. 152,470; Feb. 28.
- Norton Company, Worcester, Mass. Grinding machines and attachments. No. 152,471; Feb. 28.
- Nut Specialty House, The, St. Paul, Minn. Almonds and other nuts salted in the shell. No. 152,472; Feb. 28.
- Nuttleman, Fred H., Westhoff, Tex. Cigars. No. 152,473; Feb. 28.
- Odle Brothers, Detroit, Mich. Traveling-belt signs. No. 152,474; Feb. 28.
- O'Halloran, Y. F., & Son, Tampa, Fla. Cigars. No. 152,475; Feb. 28.
- Orr Cotton Mills, Anderson, S. C. Piece goods—namely, sheetings and drills. No. 152,476; Feb. 28.
- Package Paper & Supply Corporation, Springfield, Mass. Waxed and transparent papers. No. 152,477; Feb. 28.
- Page Belting Company, Concord, N. H. Leather belting, belt, lace picker, hame string, and leggins leather, picker straps, hame strings and cut lacings. No. 20,833; renewed Feb. 10, 1922.
- Passy, Mary M., Port Hope, Ontario, Canada. Reaching device for hanging pictures and curtain poles and taking down same. No. 152,478; Feb. 28.
- Peck, E. E. Co. Inc., Medina, N. Y. Soft-metal rivets. No. 152,620; Feb. 28.
- Pectin Sales Co. Inc., Rochester, N. Y. Concentrated fruit pectin. No. 152,479; Feb. 28.
- Peirce, Ralph S., Hinsdale, Ill. Expansion bolts. No. 152,483; Feb. 28.
- "Pep" Laboratory, Chicago, Ill. Nonalcoholic beverage and powder for making same. No. 152,480; Feb. 28.
- Peter Cailler Kohler Swiss Chocolates Co., Inc., New York, N. Y. Milk chocolate and cocoa. No. 152,481; Feb. 28.
- Petosky Portland Cement Co., Dover, Del. Portland cement. No. 152,482; Feb. 28.
- Phillips Insulated Wire Co., Pawtucket, R. I., assignor to Phillips Wire Co. Insulated conducting wires. No. 20,339; renewed Nov. 10, 1921.
- Phillips Wire Co. (See Phillips Insulated Wire Co., assignor.) (Renewed.)
- Premier Cutlery, Inc., New York, N. Y. Table flat ware and cutlery of base metal. Nos. 152,484-5; Feb. 28.
- Pure Food Specialty Corporation, New York, N. Y. Bouillon cubes. No. 152,621; Feb. 28.
- Realite Pencil Co., Chicago, Ill. Lead pencils. No. 152,486; Feb. 28.
- Richard Hudnut, New York, N. Y. Cold cream. No. 152,601; Feb. 28.
- Richard Manufacturing Company, The, Marietta, Ohio, assignor, by mesne assignments, to Gould Manufacturing Company, Oshkosh, Wis. Wheeled riding toys. No. 152,487; Feb. 28.
- Riches, Piver & Co., Hillside township, Union Co., Elizabeth, N. J. Insecticides and fungicides. No. 152,622; Feb. 28.
- Roach, W. R., & Co., Hart, Mich. Canned vegetables. No. 152,623; Feb. 28.
- Rosenthal, Maurice, San Francisco, Calif. Cigars. Nos. 152,488-9; Feb. 28.
- Ryan-Cushing Company, Boston, Mass. Leather handbags. No. 152,490; Feb. 28.
- Sackman Brothers Company, New York, N. Y. One and two piece overalls and rompers. No. 152,491; Feb. 28.
- Saffert-Gugisberg Cement Construction Co., New Ulm, Minn. Silos. No. 152,624; Feb. 28.
- Salsburg Refining Company, Ltd., Lauderdale, La. Sugar, table, and cooking sirups, and molasses. No. 152,492; Feb. 28.
- San Antonio Drug Co., San Antonio, Tex. Toothbrushes, cloth, hand, hair, and shaving brushes. No. 152,493; Feb. 28.
- Sanborn, George W., & Sons, Astoria, Oreg. Canned salmon. No. 152,494; Feb. 28.
- S & G Manufacturing Company, Stockton, Calif. Water circulator for internal-combustion engines. No. 152,499; Feb. 28.
- Sanitary Dish Washing Machine Company, Milwaukee, Wis. Dish-washing machines. No. 152,495; Feb. 28.
- Sanitary Slicker Company, New York, N. Y. Hairbrushes. No. 152,625; Feb. 28.
- Schmit Trunk Company, Oshkosh, Wis. Trunks. No. 152,626; Feb. 28.
- Schneider, Carl, Nutley, N. J. Certain valves, siphons, cocks, etc. No. 152,496; Feb. 28.
- Schratter, Alfred, New York, N. Y. Canned peppers. No. 152,627; Feb. 28.
- Schriver, O. P., Co., The, Cincinnati, Ohio. Fruit presses. No. 152,497; Feb. 28.
- Seaman Patrick Paper Co., Detroit, Mich. Enamel paper. No. 152,498; Feb. 28.
- Security Manufacturing Company, Los Angeles, Calif. Automobile locks for securing about a wheel. No. 152,628; Feb. 28.
- Segal Lock & Hardware Co. Inc., New York, N. Y. Keys, locks, padlocks, door bolts. No. 152,629; Feb. 28.
- Shaler, C. A., Company, Waupun, Wis. Portable rubber-tire vulcanizers. No. 152,630; Feb. 28.
- Sheffield Condensed Milk Co. Inc., New York, N. Y. Evaporated and condensed milks. No. 152,500; Feb. 28.
- Shuster Engineering Corporation, Philadelphia, Pa. Wrenches. No. 152,501; Feb. 28.
- Sidenberg, G. & Co., New York, N. Y. Flounces, embroidered bandings and skirtings in the piece. Nos. 152,502-3; Feb. 28.
- Silberman & Gast, Chester, Pa. Cigars. No. 152,504; Feb. 28.
- Simon Levi Company, San Diego, Calif. Coffee. No. 152,505; Feb. 28.
- Simplex Electrical Company, Boston, Mass. Insulated conducting wire. No. 18,552; renewed Oct. 23, 1920.
- Sinnock & Sherrill, New York, N. Y. Masonic and other society emblems. No. 20,250; renewed Oct. 20, 1921.
- Smith, F. L., Machine Company Incorporated, New York, N. Y. Machines for making envelopes. No. 152,506; Feb. 28.
- Smoot, C. C., & Sons Co., Alexandria, Va. Leather. No. 152,632; Feb. 28.
- Soap, Paste, R. E. Hoyt. No. 152,428; Feb. 28.
- Société des Usines Curial, Paris, France. Metal-working tools, taps, dies, reamers, &c. No. 152,507; Feb. 28.
- Société Française De Cotons a Coudre (Société Anonyme), Paris, France. Piece goods in the form of cotton lace. Nos. 152,508-9; Feb. 28.
- Soule, Edward L., San Francisco, Calif. Certain iron and steel products. No. 152,510; Feb. 28.
- Spinim Co., The, New York, N. Y. Rotatable dice. No. 152,511; Feb. 28.
- Standard Asphalt & Refining Co., Chicago, Ill. Expansion-joint fillers for street pavements, alleys, roads, &c. No. 152,512; Feb. 28.
- Stanley Works, The, New Britain, Conn. Builders' and other hardware. No. 152,513; Feb. 28.
- Stavelerg Coal & Iron Co. Limited, The, Barrow Hill, near Chesterfield, England. Waterproof cement for building. No. 152,514; Feb. 28.
- Stein, S. & Co., New York, N. Y. Woolen piece goods. No. 152,515; Feb. 28.
- Stoll Manufacturing Co., Denver, Colo. Tents and awnings. No. 152,633; Feb. 28.
- Stone, Junius H., Corporation, New York, N. Y. Composition flooring in blocks and sheets. No. 152,516; Feb. 28.
- Strauss, A., & Co., New York, N. Y. Dolls. No. 152,517; Feb. 28.
- Superior Manufacturing Company, Lodi, Calif. Pumps and pumping plants. No. 152,518; Feb. 28.
- Tension Envelope Company, Inc., Brooklyn, N. Y. Envelopes. No. 152,519; Feb. 28.
- Truettner, Walter G., Milwaukee, Wis. Certain dwelling houses. No. 152,634; Feb. 28.
- Tuskeloid Company, Inc., New York, N. Y. Hair, nail, tooth, hat, and cloth brushes. Nos. 152,521-2; Feb. 28.
- Tyler, W. S., Company, The, Cleveland, Ohio. Vibrated-screen separating machines. No. 152,523; Feb. 28.

- Ucanco Candy Company, Davenport, Iowa. Candy, such as chocolates, etc., marketed in individual wrappers. No. 152,524; Feb. 28.
- Ullman, Sigmund. Company, New York, N. Y. Printing inks. No. 152,631; Feb. 28.
- United Iron Works, Inc., Kansas City, Mo. Certain machinery and tools. No. 152,527; Feb. 28.
- United Society of Christian Endeavor, Boston, Mass. Jewelry. No. 21,469; renewed July 19, 1922.
- United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. Nos. 152,528-9; Feb. 28.
- United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Golf-balls. No. 152,530; Feb. 28.
- Utility Compressor Company, The, Detroit, Mich. Artificial refrigerating units and household refrigerators. No. 152,531; Feb. 28.
- Valkner, Chas., & Son, Chicago, Ill. Liquid malt extract. No. 152,536; Feb. 28.
- Van Antwerp's Drug Corporation, Inc., Mobile, Ala. Field and garden seeds. No. 152,635; Feb. 28.
- Van Culler Company, Newark, N. J. Crullers. No. 152,532; Feb. 28.
- Varga, John, South Bethlehem, Pa. Remedy for hemorrhoids. No. 152,533; Feb. 28.
- Ventalite Shade Regulator Company, St. Louis, Mo. Window attachments for carrying and adjusting window shades to any desired position. No. 152,534; Feb. 28.
- Vinard Manufacturing Company, Inc., Rochester, N. Y. Polish and cleaner for automobiles, furniture, and wood. No. 152,535; Feb. 28.
- Walton & Hoffman, Buffalo, N. Y. Potato chips. No. 152,537; Feb. 28.
- Wanamaker, John, New York, New York, N. Y. Golf balls. No. 152,538; Feb. 28.
- Warren Brothers Company, Boston, Mass. Pavements and paving materials containing bituminous matter. Nos. 152,539-40; Feb. 28.
- Watkins, Verna O., Atlanta, Ga. Educational game board. No. 152,541; Feb. 28.
- Wawbeek Spring Water Co., The, Suffield, Conn. Certain soft drinks. No. 152,542; Feb. 28.
- Wechsler Barber Silk Co., Inc., New York, N. Y. Silk and silk-mixture fabrics in the piece. No. 152,543; Feb. 28.
- Worle et Compagnie, Reims, France. Champagne wines. Nos. 152,544-5; Feb. 28.
- West Virginia Pulp & Paper Co., New York, N. Y. Printing and writing papers. No. 152,636; Feb. 28.
- Wheeling Machine Products Company, Wheeling, W. Va. Screws and bolts. No. 152,546; Feb. 28.
- White Mills of New Hampshire, Winchendon and Winchendon Springs, Mass. Cotton piece goods, and especially denim. No. 152,547; Feb. 28.
- Whitmore Manufacturing Company, The, Cleveland, Ohio. Lubricants. No. 152,644; Feb. 28.
- White Rock Mineral Springs Company, Waukesha, Wis. Natural spring water. No. 152,637; Feb. 28.
- White Rock Mineral Springs Company, Waukesha, Wis. Ginger ale. No. 152,638; Feb. 28.
- White Rock Mineral Springs Company, Waukesha, Wis. Mineral water and beverages made of water. No. 152,639; Feb. 28.
- White Rock Mineral Springs Company, Waukesha, Wis. Sarsaparilla. No. 152,640; Feb. 28.
- Wickwire Spencer Steel Corporation, Worcester, Mass. Certain wire cloth, wire netting, wire fabric, etc. No. 152,548; Feb. 28.
- Wicomico Farmers Association, Inc., Salisbury, Md. Fresh fruit, vegetables, and berries. No. 152,549; Feb. 28.
- Winchester Repeating Arms Co., New Haven, Conn. Butcher, cook, pocket, etc., knives, saws, pipe wrenches, etc. No. 152,553; Feb. 28.
- Windsor Broom Company, Hamburg, Pa. Brooms. No. 152,554; Feb. 28.
- Williams Bros. Aircraft Corporation, San Francisco, Calif. Motor-vehicle accelerators. No. 152,645; Feb. 28.
- Williams, J. H., & Co., Brooklyn, N. Y. Wrenches, tool holders, lathe dogs, clamps. No. 152,551; Feb. 28.
- Williamson Candy Co., Chicago, Ill. Candy. No. 152,550; Feb. 28.
- Wilson, Thos. E., & Co., Chicago, Ill. Baseballs. No. 152,552; Feb. 28.
- Woeldike, Bernard H., St. Louis, Mo. Moving-picture screens. No. 152,646; Feb. 28.
- Wolverine Brass Works, Grand Rapids, Mich. Tank balls. No. 152,647; Feb. 28.
- Woolson Spice Company, The, Toledo, Ohio. Coffee, tea, spices. No. 152,648; Feb. 28.
- Worumbo Manufacturing Company, Bath, Me. Camel's hair cloth in the piece. No. 152,555; Feb. 28.
- Writing Paper Company, Holyoke, Mass. Writing paper and mailing envelopes. Nos. 152,641-3; Feb. 28.
- Wyle-Heinsfurter Co., New York, N. Y. Silks, ribbons, velvets, and cotton goods, in the piece. No. 152,556; Feb. 28.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

- Aguilo, Jose, New York, N. Y. "Ralph Dughie." (For Cigars.) No. 24,120; Feb. 28.
- Bassick Company, The, Bridgeport, Conn., Newark, N. J., and Meriden, Conn. "Bassick Casters." (For Packages Containing Casters.) No. 24,130; Feb. 28.
- Bouillonized Peanut Company, Philadelphia, Pa. "Bouillonized Peanuts." (For Containers of Bouillonized Peanuts.) No. 24,131; Feb. 28.
- California Orange Kis Corporation, Los Angeles, Calif. "Co Kis—King of Orange Land." (For Orange Peel.) No. 24,132; Feb. 28.
- Camel Beverage Co., Milwaukee, Wis. "Camel." (For Beverages.) No. 24,133; Feb. 28.
- Chew, J. W., Baltimore, Md. "Big Planted Stock Oysters." (For Packages Containing Canned Oysters.) No. 24,134; Feb. 28.
- Climax Specialty Co., St. Louis, Mo. "Baby Pants." (For Baby Pants.) No. 24,135; Feb. 28.
- Collins Candy Co., Washington, D. C. "Fresh Home Made Candy." (For Candies.) No. 24,136; Feb. 28.
- Cribari, B., & Sons, San Jose, Calif. "Sonnie Boy." (For Grapes.) No. 24,137; Feb. 28.
- Electro Heater Co., Washington, D. C. "Imerso Electric Water Heater." (For Immersion Electric Water Heaters.) No. 24,138; Feb. 28.
- Freedman & Co., Harrisburg, Pa. "Neptune." (For Hosiery.) No. 24,139; Feb. 28.
- Fuller-Morrison Company, Chicago, Ill. "Eudora." (For a Container for Human Hair Nets.) No. 24,140; Feb. 28.
- Hansley Mills, New York, N. Y. "Breeztex." (For Athletic Underwear.) No. 24,141; Feb. 28.
- Heller, B., & Co., Chicago, Ill. "Ice Cream Maker's Friend." (For Bottles Holding Ice Cream Maker's Friend, a Flavoring Compound.) No. 24,142; Feb. 28.
- Heller, B., & Co., Chicago, Ill. "Bull-Meat-Brand Flour." (For Receptacles Containing Bull-Meat-Brand Flour, a Product for Use in All Kinds of Sausage.) No. 24,143; Feb. 28.
- Heller, B., & Co., Chicago, Ill. "Heller's Emulsion." (For Glass Jars Holding Heller's Flavoring Emulsion, a Concentrated Emulsion for Flavoring Purposes.) No. 24,144; Feb. 28.
- Heller, B., & Co., Chicago, Ill. "Ice Cream Maker's Friend Dry Form." (For a Receptacle Containing Ice Cream Maker's Friend Dry Form, a Flavoring Compound in Dry Form.) No. 24,145; Feb. 28.
- Home Packing & Ice Co., Terre Haute, Ind. "Dependable Brand." (For Cured Meats.) No. 24,146; Feb. 28.
- Jiffy-Andy Toe Protector Company, Allentown, Pa. "Jiffy-Andy." (For Toe Protecting Devices for Shoes.) No. 24,147; Feb. 28.
- Kaplan, Nathan D., Chicago, Ill. "Don Nieto." (For Cigars.) No. 24,148; Feb. 28.
- Leiber, Max, & Company, Denora, Pa. "Esquimo Pop." (For Bottles Containing a Nonalcoholic Beverage.) No. 24,149; Feb. 28.
- Mann, Arthur M., New York, N. Y. "My-T-Klean Metal Cleaner." (For Metal Polish.) No. 24,150; Feb. 28.
- McGuigan, Peter, & Sons, Red Lion, Pa. "Beech-Nut." (For Cigars.) No. 24,151; Feb. 28.
- Marietta Cigar Company, Marietta, Ohio. "Mild-O." (For Stogies and Cigars.) No. 24,152; Feb. 28.
- National Drug Stores Corp., New York, N. Y. "National Ivory White." (For Tooth Paste.) No. 24,153; Feb. 28.
- New York Merchandise Company, New York, N. Y. "Perfecta Human Hair Nets." (For Hair Nets.) No. 24,154; Feb. 28.
- New York Merchandise Company, New York, N. Y. "Cosmopolitan Hair Net." (For Hair Nets.) No. 24,155; Feb. 28.
- New York Merchandise Company, New York, N. Y. "Dorothy Hair Net." (For Hair Nets.) No. 24,156; Feb. 28.
- North American Import Co., Chicago, Ill. "Vicia." (For Hair Nets.) No. 24,157; Feb. 28.
- Oregon Syrup of Prunes Co., Portland, Oreg. "Syrup of Prunes." (For a Tonic Laxative Proprietary Medicine.) No. 24,158; Feb. 28.
- Robeson, William A., Saratoga Springs, N. Y. "Victory Coal Save." (For a Composition for Treating Fuel Coal.) No. 24,159; Feb. 28.
- United Roofing Contractors Association, Chicago, Ill. "U R C A Roofing Material Formerly A-R-A and National Association of Roofing Contractors." (For Roofing Material.) No. 24,160; Feb. 28.
- Vitamin Food Co., Inc., New York, N. Y. "Vitafood." (For Tonic Foods.) No. 24,161; Feb. 28.
- Ward Baking Company, New York, N. Y. "Ward's Home-spun Bread." (For Bread.) No. 24,162; Feb. 28.
- Woodward & Cochey, Inc., Lynn, Mass. "Autotrim." (For Automobiles and Furniture Upholstery.) No. 24,163; Feb. 28.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

- Adler, H., & Bro., New York, N. Y. "Ribbons." (For Advertising Purposes for Ribbons.) No. 5,992; Feb. 28.
- Beech-Nut Packing Company, Canajoharie, N. Y. "Beech-Nut Macaroni and Spaghetti." (For Advertising Purposes for Beech-Nut Brand Macaroni.) No. 5,993; Feb. 28.
- Beech-Nut Packing Company, Canajoharie, N. Y. "Beech-Nut Pork and Beans—as fine a product as Beech-Nut Bacon." (For Advertising Purposes for Beech-Nut Brand Pork and Beans.) No. 5,994; Feb. 28.
- Beech-Nut Packing Company, Canajoharie, N. Y. "Beech-Nut Sliced Bacon." (For Advertising Purposes for Beech-Nut Brand Bacon.) No. 5,995; Feb. 28.
- Beech-Nut Packing Company, Canajoharie, N. Y. "That Real Old-Fashioned Flavor!" (For Advertising Purposes for Beech-Nut Brand Pork and Beans.) No. 5,996; Feb. 28.
- Cameron's Surgical Specialty Company, Chicago, Ill. "See the Shadow in the Exposed Process." (For Advertising Purposes for the 100-Candle-Power Cameron's Right Angle Dentalamp. No. 5,997; Feb. 28.
- Carley, Russell H., Washington, D. C. "Service." (For Advertising Purposes for Automobile Accessories.) No. 5,998; Feb. 28.
- Chero-Cola Company, Columbus, Ga. "Chero-Cola There's None so Good." (For Advertising Purposes for a Soft Drink.) No. 5,999; Feb. 28.
- Climax Specialty Company, St. Louis, Mo. "Climax Baby." (For Advertising Purposes for Children's and Ladies' Sanitary Goods.) No. 6,000; Feb. 28.
- Cream of Wheat Co., Minneapolis, Minn. "His Bodyguard." (For Advertising Purposes for Wheat Breakfast Food.) No. 6,001; Feb. 28.
- Gaudin, Frank R., Los Angeles, Calif. "Gaudin's Relief Pencil." (For Advertising Purposes for Relief Pencils Used in Forming Raised Designs, Letters, etc.) No. 6,002; Feb. 28.
- Gearo Mfg. Co., Quincy, Ill. "G. M. C. Metallic Grease." (For Advertising Purposes for Lubricating Grease.) No. 6,003; Feb. 28.
- Masterin & Co., New York, N. Y. "Masterin says:" (For Advertising Purposes for Tablets for Use in Cases of Anæmia, Nervous Deficiency, Malnutrition, Disordered Metabolism, Physical Breakdown, Emaciation, Pellagra, Skin Troubles, and Lack of Energy and Endurance.) No. 6,004; Feb. 28.
- Milwaukee Paper Box Company, Milwaukee, Wis. "Choc-O-Mint Do-Nut." (For Advertising Purposes for a Candy Specialty.) No. 6,005; Feb. 28.
- Milwaukee Paper Box Company, Milwaukee, Wis. "Nasco." (For Advertising Purposes for After-Dinner Mints.) No. 6,006; Feb. 28.
- Milwaukee Paper Box Company, Milwaukee, Wis. "Old Fashion Chocolate Creams." (For Advertising Purposes for Chocolate Creams.) No. 6,007; Feb. 28.
- Palmolive Company, The, Milwaukee, Wis. "A Beauty Secret 3,000 Years Old." (For Advertising Purposes for Palmolive Soap.) No. 6,008; Feb. 28.
- Pennsylvania Wire Glass Company, Philadelphia, Pa. "C. W. G. (Corrugated Wire Glass)." (For Advertising Purposes for Corrugated Wire Glass.) No. 6,009; Feb. 28.
- Phillips-Jones Corporation, New York, N. Y. "The Phillips Cuff Shirt." (For Advertising Purposes for Shirts Provided with a Special Kind of Cuff.) No. 6,010; Feb. 28.
- Phillips-Jones Corporation, New York, N. Y. "Van Heusen the World's Smartest Collar." (For Advertising Purposes for Collars.) No. 6,011; Feb. 28.
- Richards, James E., Company, The, Dayton, Ohio. "Better White Duck Clothing." (For Advertising Purposes for White Duck Clothing.) No. 6,012; Feb. 28.
- Wahl Company, The, Chicago, Ill. "Eversharp Ribbon Guard." (For Advertising Purposes for Ribbon Guards.) No. 6,013; Feb. 28.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Allied Labor Press Association, Boston, Mass. Printed books and circulars. No. 150,342; Feb. 28.
- American Brush Company, Washington, D. C. Nonelectric vacuum cleaners. No. 155,850; Feb. 28.
- American Druggists Syndicate, Long Island City, N. Y. Alcohol used for bathing and massage, as a household antiseptic on cuts, bruises, etc. No. 155,041; Feb. 28.
- American Metal Polish, Co., Somerville, Mass. Metal polish. No. 152,495; Feb. 28.
- American Steel & Wire Company of New Jersey, The, Cleveland, Ohio. Wire rope, aerial tramways, and parts thereof, etc. No. 156,137; Feb. 28.
- American Steel & Wire Company of New Jersey, The, Cleveland, Ohio. Sulphate of iron. No. 156,141; Feb. 28.
- Associated Rice Millers of America, Inc., New Orleans, La. Rice. No. 152,157; Feb. 28.
- Atlantic Stamping Company, Rochester, N. Y. Pails, coal hods, pots, buckets, cans, and radiator fillers, etc. No. 147,272; Feb. 28.
- Augis, Anton, Winegar, Wis. Healing powder for wounds, cuts, and bruises. No. 154,548; Feb. 28.
- Axelsson Machine Company, Los Angeles, Calif. Oil-well pumps, parts, and accessories. No. 143,802; Feb. 28.
- Bass, Columbus E., Boonville, Mo. Polish for auto bodies and furniture and having incidental properties as auto-top polish. No. 128,422; Feb. 28.
- Bayer Company, Inc., The, New York, N. Y. Antirheumatic, analgesic, and antipyretic. No. 155,478; Feb. 28.
- Becker, R. A., Varnish Company, The, Cincinnati, Ohio. Stain varnish, varnishes, mixed paints, and paint enamels. No. 151,574; Feb. 28.
- Blish, Mize & Silliman Hardware Co., Atchison, Kans. Saws, wood-sawblades, axes, hatchets, hammers, butcher knives, etc. No. 148,365; Feb. 28.
- Boston Blacking Company, Portland, Me., and East Cambridge, Mass. Soap. No. 147,397; Feb. 28.
- Bound Brook Oil-Less Bearing Company, Bound Brook, N. J. Engine and machine bearings and bushings. No. 156,143; Feb. 28.
- Bourjois, A. & Co., Inc., New York, N. Y. Toilet powders and compacts. No. 155,800; Feb. 28.
- Brainerd & Armstrong Company, The, New London, Conn. Artificial-silk threads. No. 143,634; Feb. 28.
- British-American Tobacco Company Limited, New York, N. Y. Smoking tobacco and cigarettes. No. 157,249; Feb. 28.
- Brompton Pulp & Paper Co. Limited, The, Montreal, Quebec, Canada. News-print paper. No. 142,870; Feb. 28.
- Burgess-Norton Mfg. Co., Geneva, Ill. Automobile and engine parts, and accessories—namely, piston pins, ball bearings, etc. No. 152,829; Feb. 28.
- Burnett, A. E., Fort Worth, Tex. Medicinal preparation for treating piles. No. 155,007; Feb. 28.
- Calenduline Company of California, Baltimore, Md. Mouth wash. No. 155,396; Feb. 28.
- Cameron, Wm., & Co. Inc., Waco, Tex. Screen wire, door stops, transom lifts, knobs, drawer pulls, etc. No. 151,354; Feb. 28.
- Capudine Chemical Company, Raleigh, N. C. Salve or ointment for croup, colds, congestion, and inflammation. No. 154,488; Feb. 28.
- Carbone, Mario, New York, N. Y. Nonalcoholic, maltless beverages, and sirups for making same. No. 151,825; Feb. 28.
- Carnegie Steel Company, Pittsburgh, Pa. Rolled-metal rails, bars, plates, etc. No. 154,723; Feb. 28.
- China American Tobacco & Trading Co., Inc., New York, N. Y. Hair nets. No. 154,263; Feb. 28.
- Cincinnati Soap Company, The, Cincinnati, Ohio. Soap. No. 156,259; Feb. 28.
- Clifton Mfg. Company, Waco, Tex. Tents, awnings, paulins, tarpaulins, and detached waterproof wagon covers. No. 148,717; Feb. 28.
- Colgate & Company, Jersey City, N. J. Liquid and powdered perfumes. Nos. 156,080-1; Feb. 28.
- Condensed Bluing Company, Chicago, Ill. Bluing. No. 143,161; Feb. 28.
- Consolidated Safety Pin Company, Bloomfield, N. J. Safety pins. No. 154,399; Feb. 28.
- Converse & Company, New York, N. Y. Pillow cases, sheets, and bolster coverings. No. 155,301; Feb. 28.
- Cramer, Charles, Gardner, Kans. Liniment for use in treating sore or stiff muscles, strains, and sprains. No. 147,764; Feb. 28.
- Crown Supply Company Inc., New York, N. Y. Toilet waters, toilet creams, cold cream, cucumber and almond cream, and face powder. No. 146,869; Feb. 28.
- Dearborn Supply Company, Chicago, Ill. Depilatory. No. 155,996; Feb. 28.
- Deeano Products Company, Cleveland, Ohio. Vanishing cream, cold cream, and face powder in cream form. No. 140,558; Feb. 28.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Dieffendorf, Willis H., Syracuse, N. Y. Gears. No. 151,536; Feb. 28.
- Dolby, L. R. Co., Spokane, Wash. Tailored suits. No. 149,994; Feb. 28.
- Dupuis Chemical Co., Los Angeles, Calif. Machine-poisoned raisins used as a rodent poison. No. 135,918; Feb. 28.
- Elwell Brush Company, Rockford, Ill. Floor mops, household dusters, and clothes, hair, etc., brushes. No. 152,790; Feb. 28.
- Eriksen, George N., Newark, N. J. Liquid nail enamel. No. 154,180; Feb. 28.
- Euclid Candy Company, The, Cleveland, Ohio. Candy. Nos. 154,354-6; Feb. 28.
- Eureka Steel Range Co., O'Fallon, Ill., and St. Louis, Mo. Steel coal, wood, and combination of coal and gas and wood and gas ranges. Nos. 155,876-7; Feb. 28.
- Fahney, Dr. Peter, & Sons Co., Chicago, Ill. System tonic to improve the appetite, promote digestion, etc. No. 154,868; Feb. 28.
- Fitzgerald Mfg. Company, The, Torrington, Conn. Electric massage vibrators, etc. No. 154,871; Feb. 28.
- Fleischer, Joseph, New York, N. Y. Hair nets. No. 153,656; Feb. 28.
- Flock Manufacturing Company, The, Philadelphia, Pa. Thread and yarn. No. 155,745; Feb. 28.
- Fort Wayne Engineering & Manufacturing Co., Fort Wayne, Ind. Pumping equipment and water systems. No. 143,387; Feb. 28.
- Frolong, Lena, Los Angeles, Calif. Cough remedy. No. 144,135; Feb. 28.
- Gallaher Ltd., Belfast, Ireland. Smoking tobacco, cigarettes, cigars, and snuff. Nos. 147,508-11; Feb. 28.
- Galloway-West Company, Fond du Lac, Wis. Concentrated preparation of milk, cocoa, sugar, and vanilla. No. 154,363; Feb. 28.
- Gem Air Permanent Wave Co., The, New York, N. Y. Hot-air-waving apparatus. No. 131,571; Feb. 28.
- General Tobacco Company, The, Louisville, Ky. Cigarettes. No. 156,965; Feb. 28.
- Geraty, Jeremiah, New York, N. Y. Cleaning and polishing solution for floors, furniture, etc. No. 156,157; Feb. 28.
- Gesteira, Jeronymo, Pará, Brazil. Preparation to be used externally, especially against white flowers, blennorrhagia in women, etc. No. 134,066; Feb. 28.
- Glenn, Zollie L., Chaffee, Mo. Nonalcoholic, maltless beverage and sirup for making the same. No. 156,578; Feb. 28.
- Gomez & Sloan, Inc., New York, N. Y. Axes, machetes, hatchets, knives, saws, hammers, pliers, etc. No. 153,398; Feb. 28.
- Grasselli Chemical Company, The, Cleveland, Ohio. Dyes and dyestuffs. No. 156,367; Feb. 28.
- Grasselli Chemical Company, The, Cleveland, Ohio. Acetylcellulose and preparations useful for photographic and pharmaceutical purposes. No. 156,368; Feb. 28.
- Grasselli Chemical Company, The, Cleveland, Ohio. Dyes and dyestuffs. Nos. 156,369-71; Feb. 28.
- Grasselli Chemical Company, The, Cleveland, Ohio. Dyes and dyestuffs. Nos. 156,374-6; Feb. 28.
- Grasselli Chemical Company, The, Cleveland, Ohio. Photographic developers. No. 156,377; Feb. 28.
- Grasselli Chemical Company, The, Cleveland, Ohio. Fancy yarns and acetylcellulose thread. No. 156,378; Feb. 28.
- Grasselli Chemical Company, The, Cleveland, Ohio. Chemical for preventing decompositions and to diazotized products to be used in dyeing. No. 156,379; Feb. 28.
- Gray Motor Corporation, Detroit, Mich. Automobiles and their structural parts. No. 156,490; Feb. 28.
- Griscom-Russell Company, The, New York, N. Y. Air and gas compressors, vapor condensers, and liquid evaporators. No. 153,208; Feb. 28.
- Guy, John C., Company, Incorporated, The, Lexington, Ky. Cigars. No. 144,024; Feb. 28.
- Haupt, John J., Pittsburgh, Pa. Malt extract. No. 136,841; Feb. 28.
- Hay, Clarence C., Como, Miss. Shampoo-soap. No. 155,750; Feb. 28.
- Heppes-Nelson Roofing Company, The, Chicago, Ill. Weather and water proof coatings in liquid and paint-like form. No. 145,509; Feb. 28.
- Hinkle, Fred E., Atlanta, Ga. Toilet preparations; quinine hair dressing, and shampoo, skin-whitener, etc. No. 145,628; Feb. 28.
- Holland, A. D., & Co., Chicago, Ill. Aperient medicinal preparation. No. 156,384; Feb. 28.
- Hollingshead, R. M., Co., The, Camden, N. J. Soldering compound in the nature of flux. No. 154,744; Feb. 28.
- Hygienic Products Company, The, Canton, Ohio. Cleaning powder for water-closet bowls. No. 155,436; Feb. 28.
- Jackson, Marshall H., Chicago, Ill. Seal presses. No. 140,597; Feb. 28.
- Keystone Mfg. Co., The, Buffalo, N. Y. Wrenches. No. 155,893; Feb. 28.
- Keystone Sanitary Supply Company, Greensburg, Pa. Unimpregnated dusters. No. 156,906; Feb. 28.
- King, John P., Mfg. Co., Augusta, Ga. Cotton piece goods. No. 137,838; Feb. 28.
- Kingman, Russell B., Orange, N. J. Scouring cloths. No. 155,411; Feb. 28.
- Kinslow, Elijah M., Los Angeles, Calif. Bread. No. 152,682; Feb. 28.
- Knickerbocker Case Company, Chicago, Ill. Cases and bags made of leather, fiber, etc., for fishing tackle. No. 153,355; Feb. 28.
- Knickerbocker Case Company, Chicago, Ill. Cases and bags made of leather, fiber, or other suitable material for fishing tackle. No. 153,358; Feb. 28.
- Kopf, Martin C., Milwaukee, Wis. Medicinal powder for rheumatism, gout, lumbago, etc. No. 154,800; Feb. 28.
- Koppel Industrial Car & Equipment Company, Koppel and Pittsburgh, Pa. Railway rails, metal ties, fish plates, switch points, etc. No. 132,393; Feb. 28.
- Kummerlander, Charles G., Chicago, Ill. Yeast products in the form of powder or tablets. No. 154,878; Feb. 28.
- Lees, James and Sons Company, Bridgeport, Pa. Worsted, woolen, silk, and silk and wool mixed yarns. No. 157,893; Feb. 28.
- Lehmann & Bohne, Berlin, Germany. Toilet preparations—namely, perfumes, toilet waters, hair tonics, etc. No. 156,053; Feb. 28.
- Lichtig, B. & Son, Inc., Oakland, Calif. Rubber tires. No. 155,179; Feb. 28.
- Lindsay Light Company, Chicago, Ill. Gas mantles. No. 144,729; Feb. 28.
- Lindsay Light Company, Chicago, Ill. Gas mantles. No. 155,267; Feb. 28.
- McInnes-Walker Company, Milwaukee, Wis. Coffee and tea. No. 154,413; Feb. 28.
- McIntyre Bros., Cranford, N. J. Boats. No. 158,485; Feb. 28.
- McKay, Chester, Brooklyn, N. Y. Blowing game. No. 155,441; Feb. 28.
- Magna Metal Corporation, Newark, N. J. Magnesium alloys and castings and forgings produced therefrom. No. 151,682; Feb. 28.
- Mappin & Webb Limited, London and Sheffield, England. Plate powder. No. 155,568; Feb. 28.
- Marshall Field & Company, Chicago, Ill. Piece goods—namely, cotton cloth. No. 140,278; Feb. 28.
- Marshall Field & Company, Chicago, Ill. Piece goods—namely, muslin. No. 140,308; Feb. 28.
- Mathieson Alkali Works, The, New York, N. Y. Soda ash, bicarbonate of soda, Virginia and caustic sodas, etc. No. 152,925; Feb. 28.
- Mauser Mill Company, Laury Station, Pa. Wheat flour. No. 152,341; Feb. 28.
- Mayhew Steel Products, Inc., New York, N. Y. Hack-saw blades. No. 155,624; Feb. 28.
- Meiszahl, Chas. W., New York, N. Y. Nonalcoholic, noncerebral, maltless beverages sold as soft drinks. No. 146,127; Feb. 28.
- Merritt's Sons, Newburgh, N. Y. Liquid skin tonics. No. 156,166; Feb. 28.
- Metz, Herman A., New York, N. Y. Artificially-compounded food supplement for children and invalids. No. 147,931; Feb. 28.
- Midwest Steel & Supply Company, Inc., New York, N. Y. Metal laths. No. 155,626; Feb. 28.
- Midwest Steel & Supply Company, Inc., New York, N. Y. Viscose, a hydrocarbon composition used in the purification of gaseous matter. Nos. 154,607-8; Feb. 28.
- Minnesota Macaroni Co., St. Paul, Minn. Macaroni. No. 154,412; Feb. 28.
- Montgomery, J. R., Company, The, Windsor Locks, Conn. Yarns, warps, flosses, threads, and tinsel threads. No. 147,971; Feb. 28.
- Moore, Charles H., Northport, Wash. Preparation for rheumatism, lumbago, neuritis, etc. No. 154,925; Feb. 28.
- Morgan, William A., Atlanta, Ga. Eye water. No. 155,702; Feb. 28.
- Moss & Lowenhaupt Cigar Co., St. Louis, Mo. Cigars, cheroots, cigarettes, smoking and chewing tobacco. No. 157,841; Feb. 28.
- Moulton, Walter E., Geneva, Ohio. Lens. No. 157,437; Feb. 28.
- Moxie Company, The, Boston, Mass. Candies. No. 154,565; Feb. 28.
- National Dairy Co., The, Toledo, Pioneer, Oak Harbor, Ohio, and Ennis, and Morenci, Mich. Sterilized milk put up in sealed containers. No. 152,575; Feb. 28.
- National Ring Traveler Co., Providence, R. I. Ring travelers. No. 152,629; Feb. 28.
- National Ring Traveler Co., Providence, R. I. Ring travelers. No. 154,658; Feb. 28.
- National Valve & Manufacturing Company, Pittsburgh, Pa. Valves, steam separators, and pipe fittings. No. 155,183; Feb. 28.
- Neugebauer, Conrad, Columbus, Ohio. Bath mitten. No. 148,343; Feb. 28.
- New England Confectionery Company, Boston, Mass. Candy. No. 154,807; Feb. 28.
- New England Confectionery Company, Boston, Mass. Candy. No. 154,816; Feb. 28.
- New England Confectionery Company, Boston, Mass. Candy. No. 154,822; Feb. 28.
- New England Confectionery Company, Boston, Mass. Candy. Nos. 154,828-9; Feb. 28.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- New England Confectionery Company, Boston, Mass. Candy. No. 154,836; Feb. 28.
- New Southern Drug Company, Incorporated, Shreveport, La. Chemical preparation used as a disinfectant, germicide, deodorant, etc. No. 155,068; Feb. 28.
- New York Mineral Water Company, Cincinnati, Ohio. Mineral waters and other beverages, and flavoring sirups for beverages. No. 143,056; Feb. 28.
- New York Quebracho Extract Company, New York, N. Y. Tanning extracts. No. 156,012; Feb. 28.
- Nortridge, J. Henry, Freeport, Ill. Sanitary wire-gripped brushes, dustless mops, and dusters. No. 157,896; Feb. 28.
- Novak, John, Company, Chicago, Ill. Salve for rheumatism, sprains, etc. No. 154,701; Feb. 28.
- Oppenheimer, A. E., & Brother, Philadelphia, Pa. Hair nets. No. 141,430; Feb. 28.
- Overseas Motor Service Corporation, New York, N. Y. Accessory and repair devices and parts for automobiles, motor-driven trucks, etc. No. 144,038; Feb. 28.
- Ozone Spring Water & Beverage Company, Inc., New Orleans, La. Nonalcoholic, maltless beverage. No. 139,548; Feb. 28.
- Paine, Charles W., Philadelphia, Pa. Nondrying paint of paste consistency. No. 155,316; Feb. 28.
- Pembroke, Sarah, Los Angeles, Calif. Liquid medicine for the treatment of rheumatism, piles, nervousness, etc. No. 141,431; Feb. 28.
- Peoples Drug Stores, Inc., Washington, D. C. Cigars. No. 157,689; Feb. 28.
- Perfection Piston Ring Company, The, Ravenna, Ohio. Piston rings. No. 144,635; Feb. 28.
- Pfeiffer, S., Mfg. Co., St. Louis, Mo. Vermin poison. No. 145,712; Feb. 28.
- Piuma, Joseph A., Los Angeles, Calif. Medicinal preparation for glandular insufficiency. No. 154,991; Feb. 28.
- Plotz, Anna, Chicago, Ill. Medicine for goiter. No. 155,117; Feb. 28.
- Propp, George B., Kansas City, Mo. Charging battery solution. No. 155,928; Feb. 28.
- Prontic Druggists, Inc., The, Baltimore, Md. Bromics, laxative aspirin, laxatives, digestives, etc. No. 150,153; Feb. 28.
- Racine Rubber Company, Racine, Wis. Rubber and rubber and fabric tires and tubes for vehicles. No. 148,951; Feb. 28.
- Reichsteiner Embroidery Company, Inc., Chicago, Ill. Embroideries or embroidered articles. No. 147,794; Feb. 28.
- Reinschild Chemical Co., New York, N. Y. Tonics and blood-building preparations. No. 155,321; Feb. 28.
- Ropetto, Angelo, Company, Detroit, Mich. Cement tiles for walls and floors. No. 148,014; Feb. 28.
- Robertson Paper Co., Bellows Falls, Vt. Wrappers on waxed lunch rolls. No. 151,187; Feb. 28.
- Rockwood Pottery Company, The, Cincinnati, Ohio. Pottery ware made from burnt clay. No. 147,735; Feb. 28.
- Romer Axe and Tool Company, Dunkirk, N. Y. Woodman's tools—namely, cant hooks, peavies, mill and grappling hooks, etc. No. 153,520; Feb. 28.
- Root, John R., Terre Haute, Ind. Brick for the wearing surface of road paving. No. 155,236; Feb. 28.
- S'Nuff Smoke Sales Co., New York, N. Y. Cigarette snuffers, ash trays, match stands, humidors, and cigarette and cigar cases. No. 154,385; Feb. 28.
- Salz Brothers, New York, N. Y. Fountain pens. No. 154,708; Feb. 28.
- Schlott-Mutual Drug Company, The, Denver, Colo. Laxative preparations. No. 155,712; Feb. 28.
- Schollhorn, Wm., Co., The, New Haven, Conn. Eyelet punches. No. 155,125; Feb. 28.
- Schumann, Reinhold, Inc., Newark, N. J. Surgical corsets and belts, orthopedic appliances. No. 148,760; Feb. 28.
- Schwartz, J. C., St. Louis, Mo. Alloy for the restoration of broken-down teeth. No. 156,028; Feb. 28.
- Sherwin-Williams Company, The, Cleveland, Ohio. Soap (dry powdered, paste, semipaste, flake, liquid, and other consistencies.) No. 155,421; Feb. 28.
- Siegrist, Henry A., St. Louis, Mo. Preparation for treatment of rheumatism, stomach trouble, etc. No. 156,109; Feb. 28.
- Sinclair, John, Ltd., Newcastle-on-Tyne, England. Smoking tobacco, chewing tobacco, cigars, and cigarettes. No. 134,607; Feb. 28.
- Sinclair Millitor Corporation, New York, N. Y. Motor cycles, side cars, and trailers. No. 157,854; Feb. 28.
- Sitroux Importing Company, Inc., New York, N. Y. Hair nets and veils. No. 155,785; Feb. 28.
- Snipes, Emmet, Searcy, Ark. Liquid preparation for all skin diseases. No. 153,897; Feb. 28.
- Société Anonyme des Anciens Etablissements Muylle-Facon, Roulers, Belgium. Putty, paints, and varnishes. No. 152,486; Feb. 28.
- Society of Chemical Industry in Basle, Basel, Switzerland. Local anesthetic. No. 154,936; Feb. 28.
- Society of Chemical Industry in Basle, Basel, Switzerland. Oxytocic. No. 154,937; Feb. 28.
- Spahr, Harry M., Woodshoro, Md. Composition for the treatment of roup, colds, diphtheria, etc., among fowls. No. 155,979; Feb. 28.
- Spear, George, Paterson, N. J. Hair tonic, shampoo, and an external liniment for rheumatism, headaches, etc. No. 154,669; Feb. 28.
- Spring Mfg. Co., The, Meriden, Conn. Compound in liquid form for automobile windshields, windows, etc. No. 157,284; Feb. 28.
- Standard Red Cedar Chest Co., The, Altavista, Va. Cedar chests. No. 143,719; Feb. 28.
- Ste Ane des Automobiles & Cycles Peugeot, Levallois-Perret, France. Bicycles and motor cycles and parts thereof, accessories and parts of bicycles and motor cycles. No. 141,547; Feb. 28.
- Strimple, John A., Janesville, Wis. Tire pumps. No. 153,262; Feb. 28.
- Sure Seal Bottle Capper Co., Chicago, Ill. Bottle-capping machines. No. 152,809; Feb. 28.
- Swanberg, Julius, Chicago, Ill. Magazine pencils. No. 150,041; Feb. 28.
- Taylor, Lydia, Boley, Okla. Pomade for the treatment of the scalp. No. 155,197; Feb. 28.
- Tilson, Max E., New York, N. Y. Perfumes. No. 152,191; Feb. 28.
- Tongue, R. E., & Bros. Company, The, Philadelphia, Pa. Fruit-jar rings. No. 145,417; Feb. 28.
- Tuscan Tire & Rubber Company, The, Carrollton, Ohio. Rubber tires for automobiles. No. 130,762; Feb. 28.
- United Paper Company, Atlanta, Ga. Fruit and vegetable wrappers. No. 156,423; Feb. 28.
- United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. No. 151,122; Feb. 28.
- Valmont Mfg. Co., Inc., Brooklyn, N. Y. Powder puffs. No. 157,862; Feb. 28.
- Van Raalte Company, Inc., New York, N. Y. Veils and veillings and nettings in the piece. No. 147,540; Feb. 28.
- Verband Schweiz Armaturenfabriken, Bern, Berne, Switzerland. Metal cocks. No. 152,969; Feb. 28.
- W. H. & F. Jordan, Jr., Mfg. Co., Philadelphia, Pa. Improved sanitary wax dressing. No. 152,894; Feb. 28.
- Waldref Manufacturing Co., The, St. Paul, Minn. Magazine pencils. No. 156,205; Feb. 28.
- Walker-Matteson Company, Joliet, Ill. Fruit-jar rings. No. 126,602; Feb. 28.
- Walsh Duplicator Corp., New York, N. Y. Lead pencils. No. 152,875; Feb. 28.
- Waterman Manufacturing Company, Yarmouth, Me. Remedy for malaria. No. 155,245; Feb. 28.
- Wayagamack Pulp & Paper Co., Limited, Three Rivers, Quebec, Canada. Wood, chemical, sulphate, sulphite, soda and easy-bleaching pulps. No. 129,032; Feb. 28.
- White-Washburne Company, Inc., Hinsdale, N. H. Toilet paper. No. 158,501; Feb. 28.
- White-Washburne Company, Inc., Hinsdale, N. H. Toilet paper. Nos. 158,504-6; Feb. 28.
- White-Washburne Company, Inc., Hinsdale, N. H. Toilet paper. No. 158,508; Feb. 28.
- Wilcox, M. I., Company, The, Toledo, Ohio. Paint-brushes. No. 157,703; Feb. 28.
- Williams Patent Crusher & Pulverizer Co., St. Louis, Mo. Grinding screens for feed mills. No. 152,970; Feb. 28.
- Williamsport Development Company, Williamsport, Pa. Composition packing. No. 153,908; Feb. 28.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF FEBRUARY, 1922.

NOTE.—Arranged in accordance with the first significant character or word of the name. (In accordance with city and telephone directory practice.)

- Accelerator, Foot-operated. G. D. Lawson. No. 1,407,695; Feb. 28.
- Acetylene generator. F. W. Mazsick. No. 1,407,943; Feb. 28.
- Aeroplane safety device. S. Arrington. No. 1,408,062; Feb. 28.
- Air and fuel. Method of and means for producing explosive mixtures of. O. H. Ensign. No. 1,408,277; Feb. 28.
- Air-brake and car-door-operating equipment. Combined. G. Macloskie. No. 1,408,111; Feb. 28.
- Air cleaner. E. E. Wickersham. No. 1,407,968; Feb. 28.
- Alarm: See—
Radiator alarm.
- Alcohol. Production of secondary butyl. C. Weizmann and D. A. Legg. No. 1,408,320; Feb. 28.
- Anchor, Earth. J. Blackburn. No. 1,407,920; Feb. 28.
- Antirattling joint for steering gears. N. A. Locke. No. 1,408,213; Feb. 28.
- Antiskid device. J. T. Peed. No. 1,407,711; Feb. 28.
- Arch support. R. Caterini. No. 1,408,267; Feb. 28.
- Arms ammunition. Primer for small. H. T. Pack. No. 1,407,767; Feb. 28.
- Ash handler. W. D. Engelke. No. 1,407,847; Feb. 28.
- Assembling devices comprising a number of parts, Apparatus for. J. W. Upp. No. 1,408,047; Feb. 28.
- Anchor, Safety. C. R. Dowler. No. 1,408,082; Feb. 28.
- Automobile direction signal. H. M. Moffett. No. 1,408,377; Feb. 28.
- Automobile driving axles. Differential gearing for. W. A. Moir. No. 1,407,703; Feb. 28.
- Automobile electric hood heater. H. F. Brown. No. 1,407,725; Feb. 28.
- Automobile finder. Automatic. W. Lamberti. No. 1,408,362; Feb. 28.
- Automobile fuel tanks. Reserve-supply device for. W. H. Muzzy. No. 1,407,798; Feb. 28.
- Automobile lock. J. O. Akers. No. 1,408,237; Feb. 28.
- Automobile pedal lock. I. B. Koons. No. 1,408,357; Feb. 28.
- Automobile safety appliance. F. Shepis. No. 1,408,227; Feb. 28.
- Automobile signal. W. R. Webber. No. 1,407,826; Feb. 28.
- Automobile theft indicator. D. and O. J. Reiser. No. 1,408,032; Feb. 28.
- Automobiles. Bumper for. J. M. Cissell. No. 1,407,783; Feb. 28.
- Automobiles, etc., Angling device for. D. C. Watt and F. A. Grearson. No. 1,407,713; Feb. 28.
- Automobiles. Extracting device for. C. J. Williams. No. 1,408,323; Feb. 28.
- Automobiles for indicating their direction of route or stoppage. Signal means for. W. H. Bauert. No. 1,408,335; Feb. 28.
- Automobiles. Gasoline reserve and control device for. W. H. Muzzy. No. 1,407,799; Feb. 28.
- Automobiles. Ignition lock for. C. A. Hervey. No. 1,408,295; Feb. 28.
- Automobiles. Road guide and travel indicator for. A. D. Gabbert. No. 1,408,352; Feb. 28.
- Automobiles. Snow-clearing attachment for. W. Smith. No. 1,407,895; Feb. 28.
- Automobiles. Spring for. W. L. Jones. No. 1,407,805; Feb. 28.
- Autographic register. F. G. White. No. 1,407,907; Feb. 28.
- Auto theft signal. R. J. Ochs and C. E. Hodes. No. 1,408,133; Feb. 28.
- Auxiliary spring. A. H. Peltier. No. 1,408,394; Feb. 28.
- Awning-control device. Automatic. W. Grebler and L. Oskow. No. 1,408,424; Feb. 28.
- Axle construction. Rear-. W. D. Werts. No. 1,408,152; Feb. 28.
- Axle. Driving and steering. P. J. F. Batenburg. No. 1,407,911; Feb. 28.
- Axle gauge. F. W. Nuerwell. No. 1,408,024; Feb. 28.
- Back-up post. C. C. Neighbors. No. 1,407,880; Feb. 28.
- Bale marker. W. P. Daniel. No. 1,407,735; Feb. 28.
- Bar: See—
Bumper bar.
- Bark. Method of and apparatus for making artificial. D. Rossi. No. 1,407,950; Feb. 28.
- Basket. A. H. Lavietes. No. 1,408,011; Feb. 28.
- Basket. Woven. G. E. Lewis. No. 1,408,367; Feb. 28.
- Batch box. J. H. Moscl. No. 1,408,383; Feb. 28.
- Battery: See—
Dry battery.
- Battery, Dry. W. B. Schulte. No. 1,408,140; Feb. 28.
- Battery jars and other hard rubber receptacles. Machine for making. J. W. Bishop. No. 1,407,979; Feb. 28.
- Battery jars. Machine for making. J. W. Bishop. No. 1,407,980; Feb. 28.
- Bead-cut-off machine. W. C. Stevens and E. D. Putt. No. 1,407,712; Feb. 28.
- Beams and columns. Clamping device for. J. W. Jeter. No. 1,408,301; Feb. 28.
- Bearing. Ball. C. E. Campbell. No. 1,408,266; Feb. 28.
- Bed, Convertible davenport. J. Luppino. No. 1,408,013; Feb. 28.
- Bed, Folding chair. J. Luppino. No. 1,408,014; Feb. 28.
- Beds. Drawer attachments for. C. Christensen. No. 1,408,269; Feb. 28.
- Bedstead. A Barashick. No. 1,408,245; Feb. 28.
- Bermuda-grass cutter. K. R. Thomas. No. 1,407,962; Feb. 28.
- Beverage mixer. O. P. Erhardt. No. 1,407,789; Feb. 28.
- Beverage mixer. R. W. Riedel. No. 1,408,033; Feb. 28.
- Bin. C. M. Williams. No. 1,408,054; Feb. 28.
- Bit: See—
Adjustable well-drilling bit.
- Blank feeder. L. E. La Bombard. (Reissue.) No. 15,293; Feb. 28.
- Block: See—
Gauge block. Tackle block.
- Blower. H. F. Schmidt. No. 1,407,889; Feb. 28.
- Blowpipe. J. Harris. No. 1,408,194; Feb. 28.
- Board: See—
Foldable ironing board. Instrument board.
- Boat construction. V. S. Downing. No. 1,408,178; Feb. 28.
- Boats. Oarlock for. A. D. Newcomb. No. 1,408,129; Feb. 28.
- Boiler: See—
Double boiler. Steam boiler.
- Boiler. J. F. L. Baker. No. 1,408,244; Feb. 28.
- Boiler. Double. W. Jones. No. 1,408,356; Feb. 28.
- Boll-weevil catcher. H. J. Pope. No. 1,408,030; Feb. 28.
- Bolt: See—
Expansion bolt.
- Bottle capper. C. S. Johnson. No. 1,408,354; Feb. 28.
- Bottle capper. G. D. Musing. No. 1,408,127; Feb. 28.
- Bottle holder. Milk-. C. M. Hatcher. No. 1,408,195; Feb. 28.
- Bottle. Nonrefillable. V. Millity. No. 1,408,376; Feb. 28.
- Bowl clamp. T. H. Miller. No. 1,407,702; Feb. 28.
- Box: See—
Patch box. Sand-setting box.
- Box machine. Wirebound-. S. F. Bauwens. No. 1,408,336; Feb. 28.
- Brace: See—
Rail brace.
- Brace. A. Mainka. No. 1,408,216; Feb. 28.
- Bracket: See—
Bumper bracket.
- Brassière. M. V. Pruzan. No. 1,408,139; Feb. 28.
- Bread pan or oven tray. G. Mueller. No. 1,408,019; Feb. 28.
- Brush construction. G. A. Bauer. No. 1,407,913; Feb. 28.
- Buckle. Belt. E. E. Peake. No. 1,408,028; Feb. 28.
- Buckle. Garment. C. S. Comstock, Sr. No. 1,407,733; Feb. 28.
- Building construction. J. Grasso. No. 1,408,287; Feb. 28.
- Bumper bar. L. P. Halladay. No. 1,408,193; Feb. 28.
- Bumper bracket. W. H. Bovard, E. L. Barker, and C. S. Jenkins. No. 1,407,835; Feb. 28.
- Burner: See—
Oil burner.
- Button. N. S. Meyer. No. 1,407,945; Feb. 28.
- Cabinet. Card-index. B. G. Rand. No. 1,407,948; Feb. 28.
- Cabinet. Roller-towel. G. W. Ferdon. No. 1,408,283; Feb. 28.
- Cable ends. Anchoring or fastening device for. E. L. Leinbach. No. 1,408,212; Feb. 28.
- Cafeteria table. J. Kruckewitt. No. 1,408,359; Feb. 28.
- Calf weaner. E. P. Miller and V. V. Nelson. No. 1,408,018; Feb. 28.
- Can or receptacle. P. Wall. No. 1,407,903; Feb. 28.
- Can-piercing tool. R. T. Basher. No. 1,407,830; Feb. 28.
- Candle holder. G. H. North. No. 1,407,801; Feb. 28.
- Cantilever spring. M. Houdaille. No. 1,408,300; Feb. 28.
- Car body. Freight. F. Luszczyzyn. No. 1,408,214; Feb. 28.

- Car-coupling uncoupling mechanism. T. J. Burns. No. 1,407,925; Feb. 28.
- Car couplings, Pipe-coupling attachment for. J. H. Funk. No. 1,408,351; Feb. 28.
- Car, Drop-end gondola. V. E. Sisson. No. 1,407,824; Feb. 28.
- Car dumper. A. F. Case. No. 1,407,926; Feb. 28.
- Car-end construction. F. M. Whyte. No. 1,408,234; Feb. 28.
- Car, Self-unloading. K. Barth. No. 1,408,334; Feb. 28.
- Car truck. S. B. Brillhart. No. 1,408,167; Feb. 28.
- Car truck, Railway-. O. H. Weillman. No. 1,408,321; Feb. 28.
- Car unit, Interchangeable. A. H. Smith. No. 1,408,413; Feb. 28.
- Car units, Anchoring means for interchangeable. A. H. Smith. No. 1,408,414; Feb. 28.
- Cars, Antioosing device for railway. M. Linton. No. 1,408,371; Feb. 28.
- Cars, Device for mounting headlights on bodies of motor. A. Vallot. No. 1,408,149; Feb. 28.
- Cars, Feeding mechanism for mine. G. M. Johnson. No. 1,408,088; Feb. 28.
- Cars, motor boats, and flying machines, Automatically-acting safety device for use in connection with carburetors of motor. E. Teubner. No. 1,408,233; Feb. 28.
- Carburetor. F. Briscoe. No. 1,408,072; Feb. 28.
- Carburetors, Auxiliary liquid-forcing device for. C. T. Weymann. No. 1,408,322; Feb. 28.
- Carburizing compound. J. H. Schmidt. No. 1,407,951; Feb. 28.
- Carcass conveyer. W. C. Longley. No. 1,408,372; Feb. 28.
- Card display. A. Hatzung. No. 1,407,792; Feb. 28.
- Carrier: *See*—
Luggage carrier. Projection-slide carrier.
- Carton-assembling device. C. V. Hogan. No. 1,407,864; Feb. 28.
- Case: *See*—
Cigarette case.
- Cathode apparatus, Hot-. R. J. Wensley. No. 1,408,053; Feb. 28.
- Cellulose-ester composition. B. E. Eldred. No. 1,408,423; Feb. 28.
- Cellulose-ester plastic. J. M. Kessler. No. 1,408,095; Feb. 28.
- Cellulose solution. W. T. Schuele. No. 1,408,035; Feb. 28.
- Cement composition and method and apparatus for forming same, Fiber. R. H. Anderson. No. 1,408,341; Feb. 28.
- Cement, Manufacture of molded articles from. W. E. W. Richards. No. 1,408,401; Feb. 28.
- Cement-working machinery. C. M. Eberling. No. 1,407,846; Feb. 28.
- Centrifugal machines, Brake for. B. R. Wright. No. 1,407,777; Feb. 28.
- Chain tightener. E. H. Nelson. No. 1,407,946; Feb. 28.
- Chains, Fastener for mud. O. F. Saeter and E. O. Harris. No. 1,408,309; Feb. 28.
- Chair and desk or table, Combined. A. H. Thompson. (Reissue.) No. 15,296; Feb. 28.
- Chair, table, and the like. J. Mathieu. No. 1,408,114; Feb. 28.
- Chuck, Collet. J. L. Kreusler and F. R. Ferguson. No. 1,407,760; Feb. 28.
- Cigarette case. W. P. J. Hagarty. No. 1,407,746; Feb. 28.
- Cinematography, Color. T. A. Mills. No. 1,407,875; Feb. 28.
- Circuit, Closed grinding-. C. Allen. No. 1,408,155; Feb. 28.
- Clamp: *See*—
Bowl clamp. Trolley-conductor clamp.
- Cleaner: *See*—
Air cleaner.
- Clip: *See*—
Pencil clip.
- Clips, Producing. C. H. Ziler. No. 1,407,977; Feb. 28.
- Clock, Electric. L. Dorfman. No. 1,408,274; Feb. 28.
- Clockwork. P. S. Larson. No. 1,408,366; Feb. 28.
- Closure fastener. W. Williams. No. 1,408,236; Feb. 28.
- Closure operator. W. Asbury. No. 1,407,828; Feb. 28.
- Cloth plaiting or piling machine. A. Durot. No. 1,408,083; Feb. 28.
- Clotheslines, Holder for. C. B. Brookhart. No. 1,408,261; Feb. 28.
- Clutch, Positive-reduction. E. E. Wickersham. No. 1,407,971; Feb. 28.
- Clutches, Control for. L. S. Libbrecht. No. 1,407,940; Feb. 28.
- Coal, Vertical retort for carbonizing. W. T. Gardner. No. 1,407,996; Feb. 28.
- Coating apparatus. J. C. Buckminster. No. 1,407,729; Feb. 28.
- Coating composition, Preparing paper-. J. H. Ryan. No. 1,407,773; Feb. 28.
- Coiling machine, Spring-. A. B. Sinclair. No. 1,407,891; Feb. 28.
- Coin-controlled apparatus. W. M. Updegrave. No. 1,408,317; Feb. 28.
- Collar, Dog. D. B. Mitchell. No. 1,408,123; Feb. 28.
- Collar holder, Soft-. F. Guldry. No. 1,408,290; Feb. 28.
- Collector-lifting mechanism. S. Arnold, 3d. No. 1,408,158; Feb. 28.
- Collet, Master. W. C. Elbe. No. 1,408,182; Feb. 28.
- Color-identifying apparatus. N. Macbeth. No. 1,408,109; Feb. 28.
- Comb, Fountain. J. Brueck and N. Salter. No. 1,408,262; Feb. 28.
- Compressor, Revolving air. F. A. Gerling. No. 1,408,188; Feb. 28.
- Concrete channels and floors, Mold for. G. R. Elliott. No. 1,407,737; Feb. 28.
- Concrete forms, Corner clamp for. O. C. Nilson. No. 1,408,021; Feb. 28.
- Concrete mold. C. A. Barr. No. 1,408,246; Feb. 28.
- Concrete, Protective covering for waterproofing coating on. W. R. Roof. No. 1,407,772; Feb. 28.
- Container. G. R. Banton. No. 1,407,688; Feb. 28.
- Conveyer loader. A. B. Holley. No. 1,408,299; Feb. 28.
- Conveying apparatus. H. J. Buck. No. 1,407,923; Feb. 28.
- Cookers, Controlling device for. W. B. Ware. No. 1,407,965; Feb. 28.
- Cooking utensil. M. J. Boehl. No. 1,408,256; Feb. 28.
- Corn-cutting machine. E. C. Osgood. No. 1,408,135; Feb. 28.
- Corn husking and shredding machine. G. A. Lowry. No. 1,408,304; Feb. 28.
- Cot, Folding-. J. Luppino. No. 1,408,015; Feb. 28.
- Cotton gin. W. W. Conway. No. 1,408,343; Feb. 28.
- Coupling: *See*—
Automatic train-pipe cou- Shaft coupling.
pling.
- Coupling attachment. W. A. Geiger. No. 1,407,939; Feb. 28.
- Covers, Joint for hinged. E. B. Nichols and C. W. Carroll. No. 1,408,387; Feb. 28.
- Crane, Portable. C. F. Green. No. 1,407,855; Feb. 28.
- Crane, Self-propelling travelling. G. Brun. No. 1,408,263; Feb. 28.
- Crank-shaft-truing device. A. M. Cook and S. Mower. No. 1,408,078; Feb. 28.
- Crate, Metal. A. T. O'Dea. No. 1,408,392; Feb. 28.
- Cup: *See*—
Oil cup. Sanitary moistening cup.
- Curling irons, Revolving connector for electric. M. F. Fitzgerald. No. 1,407,937; Feb. 28.
- Current, Means for operating electromagnetic reciprocating tools with pulsating direct. H. Poth. No. 1,407,804; Feb. 28.
- Current motor and generator, Direct-. G. and J. G. Stirk. No. 1,407,958; Feb. 28.
- Currents, etc., Apparatus for producing modified. F. W. Meyer. No. 1,408,118; Feb. 28.
- Curtain and shade holder, Combination. J. W. Mott. No. 1,407,877; Feb. 28.
- Curtain fixture. S. Simon and W. O'Neill. No. 1,407,823; Feb. 28.
- Cutter: *See*—
Bermuda-grass cutter.
- Cutting tool. G. F. Krieger. No. 1,408,358; Feb. 28.
- Cylinder trip mechanism. J. R. Blaine. No. 1,408,067; Feb. 28.
- Damper. C. M. Jensen. No. 1,408,204; Feb. 28.
- Dampers. C. F. Randall, J. T. Clark, and J. T. Smith. No. 1,408,223; Feb. 28.
- Demand meter. C. A. Boddie. No. 1,408,255; Feb. 28.
- Dental instruments, Handpiece for. G. M. Hollenback. No. 1,408,197; Feb. 28.
- Dental parallel-cavity former. H. L. Cruttenden. No. 1,407,840; Feb. 28.
- Dental surgery. L. A. Kiander. No. 1,408,006; Feb. 28.
- Detector: *See*—
Pressure detector.
- Die, Numbering, forming, and cutting. A. Premo. No. 1,407,769; Feb. 28.
- Dielectric objects, Testing machine for. E. A. Pigeon. No. 1,407,887; Feb. 28.
- Display device. J. L. Michalski. No. 1,407,874; Feb. 28.
- Display rack. L. Gentile. No. 1,408,187; Feb. 28.
- Display signs, Circuit control for electric. L. R. Oakes. No. 1,408,307; Feb. 28.
- Display stand. A. E. and S. Davis. No. 1,408,079; Feb. 28.
- Dishwashing machines, Reaction spraying mechanism for. F. D. Clinton. No. 1,408,077; Feb. 28.
- Door and operating mechanism therefor. O. L. Dautrick. No. 1,408,174; Feb. 28.
- Door and shutter, Folding. M. Bretos y Claveria. No. 1,408,076; Feb. 28.
- Door check. B. E. and M. E. Bowles. No. 1,408,338; Feb. 28.
- Door controlling apparatus. R. S. Gehr. No. 1,408,186; Feb. 28.
- Door latch. W. Knight. No. 1,407,758; Feb. 28.
- Door stop, Portable. J. P. Fiderius. No. 1,408,316; Feb. 28.
- Doors and windows, Weather strip for. L. C. Bond. No. 1,407,921; Feb. 28.
- Doors, Combined lock bolt and joint-packing strip for French-. A. G. Wass. No. 1,407,966; Feb. 28.
- Doors, Latch for sliding. E. E. Allstatter. No. 1,408,240; Feb. 28.
- Doubletree. F. L. Storer. No. 1,408,420; Feb. 28.
- Draft connection. C. O. Deems. No. 1,408,081; Feb. 28.
- Draft rigging. I. O. Wright. No. 1,407,976; Feb. 28.
- Drawing apparatus utilizing parallel movement. M. Bienville. No. 1,408,252; Feb. 28.
- Drawing press. W. Klocke. No. 1,407,869; Feb. 28.

- Dress and other fastening device. C. Thomas. No. 1,408,311; Feb. 28.
- Drier: *See*—
Lumber drier.
- Drill: *See*—
Pneumatic drill.
- Drills and other sowing implements, Air gravity seeding device for. T. J. McBride. No. 1,407,795; Feb. 28.
- Driving mechanism. A. E. Schuette. No. 1,407,890; Feb. 28.
- Dyes, Azo. B. Schöner and O. Siebert. No. 1,408,405; Feb. 28.
- Dyes for wool, Orthooxyazo. W. Herzberg and O. Scharfenberg. No. 1,408,296; Feb. 28.
- Dyes, Orthooxyazo. W. Herzberg and O. Scharfenberg. No. 1,408,297; Feb. 28.
- Dyes, Orthooxymonoazo. W. Lange. No. 1,408,363; Feb. 28.
- Effluents, Apparatus and method for separating matter from. G. Crosby. No. 1,407,936; Feb. 28.
- Electric appliance. H. Catlin. No. 1,408,268; Feb. 28.
- Electric-arc striking mechanism. C. M. Langfeld. No. 1,407,761; Feb. 28.
- Electric heater for outdoor use. E. A. Everett. No. 1,408,183; Feb. 28.
- Electric heating device. E. H. and A. L. Ruehl. No. 1,408,403; Feb. 28.
- Electric heating element. P. J. H. Bernard. No. 1,407,918; Feb. 28.
- Electric motors, Manufacturing of commutators for. H. D. Stone. No. 1,407,776; Feb. 28.
- Electric switch. B. E. Getchell. No. 1,407,852; Feb. 28.
- Electric switch. C. W. H'Doubler. No. 1,408,177; Feb. 28.
- Electric switch. C. J. Klein. No. 1,408,097; Feb. 28.
- Electrical apparatus, Regulation of. B. W. St. Clair. No. 1,408,040; Feb. 28.
- Electrode with cooled metallic head. M. Sperling. No. 1,408,418; Feb. 28.
- Electrodes with cooled metallic head, Mounting for. C. Schraepfer. No. 1,408,406; Feb. 28.
- Electrolytic apparatus. G. O. Seward. Nos. 1,408,141-2; Feb. 28.
- Electrolytic apparatus. H. Tobler. (Reissue.) No. 15,297; Feb. 28.
- Emulsion and making same. C. S. Reeve. No. 1,408,224; Feb. 28.
- Engine: *See*—
Internal-combustion engine. Rotary pump and engine.
- Engines, Automatic air-regulating device for gasoline. E. F. Ingles. No. 1,408,353; Feb. 28.
- Engines, Gasoline feed for internal-combustion. C. L. Basie. No. 1,408,163; Feb. 28.
- Engines, Indicator for. W. T. Orr. No. 1,408,393; Feb. 28.
- Engines, Liquid-fuel-feeding device for internal-combustion. J. W. Jones. No. 1,408,208; Feb. 28.
- Engines, Temperature-indicating instrument for automobile. H. H. Boyce. No. 1,408,259; Feb. 28.
- Envelope opener. A. T. Smith. No. 1,408,415; Feb. 28.
- Expansion bolt. I. Church and L. Montgomery. No. 1,407,782; Feb. 28.
- Explosive. A. Wohl. No. 1,408,056; Feb. 28.
- Explosive mixture. P. E. Haynes. No. 1,408,293; Feb. 28.
- Fan, Trick. C. F. Brehmer. No. 1,407,836; Feb. 28.
- Fare registers, Means for operating. J. M. Dapron. No. 1,408,348; Feb. 28.
- Fence. T. Norton. No. 1,408,132; Feb. 28.
- Fencepost, Metallic. C. Klein. No. 1,408,007; Feb. 28.
- Fencepost. A. J. Zimmerman. No. 1,408,332; Feb. 28.
- Fertilizer. A. H. Cowles. No. 1,408,169; Feb. 28.
- Fertilizer, Production of. R. Balmer. No. 1,408,064; Feb. 28.
- File or article holder, Bill. O. K. Boyett. No. 1,407,720; Feb. 28.
- Film-drying appliance. W. A. Taylor. No. 1,407,961; Feb. 28.
- Film reel. G. Passavanti. No. 1,408,425; Feb. 28.
- Filter, Vacuum-cleaned. C. W. Sirch. No. 1,408,228; Feb. 28.
- Filtering apparatus. L. Ewald. No. 1,408,279; Feb. 28.
- Filtering apparatus. R. E. Langston. No. 1,407,763; Feb. 28.
- Finger-tip protector. J. A. Boehringer. No. 1,408,070; Feb. 28.
- Fireproof door. A. V. Kelly. No. 1,408,302; Feb. 28.
- Fish trap. A. Ftyklo. No. 1,407,744; Feb. 28.
- Fishing tool. V. W. Moyer. No. 1,407,878; Feb. 28.
- Fishing tools, Socket and bowl for. E. U. Keller. No. 1,407,867; Feb. 28.
- Flanged products, Reinforced flange for. E. J. Fowler and C. Kelle. No. 1,407,791; Feb. 28.
- Flanging machine. H. McCabe. No. 1,408,106; Feb. 28.
- Flotation agent and making same. A. and M. Hirsch. No. 1,407,749; Feb. 28.
- Fluid heater. G. M. Hollenback. No. 1,408,198; Feb. 28.
- Fluid system. G. G. Earl. No. 1,407,993; Feb. 28.
- Flying machine. G. Matta. No. 1,408,115.
- Foot presses, Safety device for. H. C. Paecht. No. 1,407,765; Feb. 28.
- Footboard, One-piece. C. W. Meldrum. No. 1,408,116; Feb. 28.
- Footwear and making same. J. J. Byers. No. 1,408,265; Feb. 28.
- Frame: *See*—
Furnace-door frame.
- Fruit trimmer and slicer. T. Whittam. No. 1,408,051; Feb. 28.
- Fuel, Forming. D. Markle. No. 1,407,700; Feb. 28.
- Fulcrums, Making reversible. A. H. Peycke. No. 1,407,886; Feb. 28.
- Furnace-door frame. J. Thornton. No. 1,407,708; Feb. 28.
- Furnace-regulator construction. T. Olinger. No. 1,407,802; Feb. 28.
- Furnaces, Moistener for hot-air flues for hot-air. P. J. A. Schnoor. No. 1,408,404; Feb. 28.
- Fuse, Electric safety. R. C. Cole. No. 1,407,785; Feb. 28.
- Fuse, Renewable. W. O. Smith and J. E. Grenache. No. 1,407,706; Feb. 28.
- Game. T. P. Barrett. No. 1,408,065; Feb. 28.
- Garment. B. Lustgarten. No. 1,408,373; Feb. 28.
- Garment, Belt-laced. C. Munter. No. 1,407,705; Feb. 28.
- Gas burner. J. Knudsen. No. 1,407,871; Feb. 28.
- Gas generator. F. G. Farr. No. 1,407,850; Feb. 28.
- Gas heater. H. R. Humphrey. No. 1,407,750; Feb. 28.
- Gas tanks, Truck for. G. W. Richards. No. 1,408,400; Feb. 28.
- Gases, Means for utilizing waste furnace. G. A. Witte. No. 1,407,717; Feb. 28.
- Gases, Process and apparatus for recovery of by-products from distillate. C. S. Lomax. No. 1,408,105; Feb. 28.
- Gaslighter. J. Grimm. No. 1,408,288; Feb. 28.
- Gasoline-reserve device. W. H. Muzzey. No. 1,407,800; Feb. 28.
- Gate: *See*—
Railway-crossing gate.
- Gauge: *See*—
Axle gauge.
- Gauge and aligning device, Combined slidable. E. L. Paterson. No. 1,407,803; Feb. 28.
- Gauge and straightener, Connecting-rod. F. W. Nuerwell. No. 1,408,023; Feb. 28.
- Gauge block. B. H. Blood. No. 1,407,833; Feb. 28.
- Gauge mechanism, Break of. J. H. Matthews. No. 1,408,219; Feb. 28.
- Gear, Variable-speed. P. G. Tacchi. No. 1,408,421; Feb. 28.
- Gears, Forming. T. B. Morris. No. 1,407,704; Feb. 28.
- Gearing mechanism. M. Schuyler. No. 1,408,407; Feb. 28.
- Generator: *See*—
Acetylene generator. Gas generator.
- Gin-rib structure. H. D. Clarke. No. 1,407,984; Feb. 28.
- Glare screen. R. T. Newton. No. 1,408,386; Feb. 28.
- Glass. E. C. Sullivan and W. C. Taylor. No. 1,408,145; Feb. 28.
- Glass-cutting mechanism. H. S. Deputy. No. 1,407,736; Feb. 28.
- Glassworking mechanism. N. W. Hartman. No. 1,407,800; Feb. 28.
- Goggles. G. H. Day. No. 1,408,349; Feb. 28.
- Grinding wheels, Device for truing. O. Sender. No. 1,407,954; Feb. 28.
- Gun, Centrifugal. J. H. Parsons. No. 1,408,137; Feb. 28.
- Gun sight. I. H. Eickhoff. No. 1,408,276; Feb. 28.
- Hair-clasping device. B. E. Beadle. No. 1,408,247; Feb. 28.
- Hair curler. H. S. Brewington. No. 1,407,981; Feb. 28.
- Hair curler. D. D. Nielsen. No. 1,408,131; Feb. 28.
- Hair-cutting apparatus. O. Hermann. No. 1,407,748; Feb. 28.
- Hair-wave former. M. E. Thompson. No. 1,408,146; Feb. 28.
- Ham boiler, Hand-operated. H. Adelman. No. 1,408,153; Feb. 28.
- Hammer. J. A. Bartosz. No. 1,408,162; Feb. 28.
- Hayfork. J. W. Collins. No. 1,408,342; Feb. 28.
- Headlight. C. G. Melanson. No. 1,408,306; Feb. 28.
- Headlight for automobiles, Dirigible. C. A. Bliven and C. F. Moyer. No. 1,408,068; Feb. 28.
- Headlight for locomotives, Pivoted. E. Payne. No. 1,407,766; Feb. 28.
- Heater: *See*—
Fluid heater. Interposed water heater.
Gas heater. Lubricating heater.
- Heating system. E. Davock. No. 1,407,990; Feb. 28.
- Heel-mold washing device. W. D. Kmentt. No. 1,407,757; Feb. 28.
- Hinge. W. L. Evans, Jr. Nos. 1,407,739-40; Feb. 28.
- Hinge. W. L. Evans, Jr. No. 1,407,790; Feb. 28.
- Hinge, Hood. G. A. Lyon. No. 1,407,941; Feb. 28.
- Hoist, Traveling. R. L. Neubert. (Reissue.) No. 15,295; Feb. 28.
- Holding devices, Automatic brake for. G. Kleber. No. 1,408,209; Feb. 28.
- Holder or stand, Article. O. K. Boyette. No. 1,407,721; Feb. 28.
- Holes, Device for drilling square. H. Swift. No. 1,408,042; Feb. 28.
- Hook: *See*—
Snap hook.
- Ice-cream-can holder. J. Goldsmith. No. 1,407,853; Feb. 28.
- Incubators, Heating element for. R. P. Rhodes. No. 1,408,308; Feb. 28.
- Indicator: *See*—
Automobile theft indicator. Street indicator.
- Insect, Ornamental. J. Messenger. No. 1,408,017; Feb. 28.
- Instrument board. C. E. Jeffers. No. 1,407,751; Feb. 28.

- Insulation-testing device. J. A. Heany. No. 1,407,693; Feb. 28.
- Internal-combustion engine. E. P. du Pont. No. 1,408,179; Feb. 28.
- Internal-combustion engine. R. O. Hendrickson. No. 1,407,694; Feb. 28.
- Internal-combustion engine. G. W. Teasdale. No. 1,408,422; Feb. 28.
- Internal-combustion engine, Two cycle. D. L. Winters. No. 1,408,329; Feb. 28.
- Investment composition. J. G. Saravia. No. 1,407,774; Feb. 28.
- Iron: *See*—
- Electric soldering iron.
- Ironing board, Foldable. J. H. Richardson. No. 1,407,821; Feb. 28.
- Jar clamp and holder, Fruit-. N. N. Farlow. No. 1,408,184; Feb. 28.
- Jar-closing machine. T. L. Tallafarro. No. 1,407,901; Feb. 28.
- Jars, Device for applying, removing, and sealing covers of Mason. J. T. Tillman and P. Schweich. No. 1,407,710; Feb. 28.
- Kettle-lid holder. E. P. Sidle. No. 1,408,410; Feb. 28.
- Keys, Machine for duplicating. C. A. Berry. No. 1,408,166; Feb. 28.
- Knife: *See*—
- Spade knife.
- Knives for table use, Manufacturing one-piece rustless. R. G. Lee and T. B. Lashar. No. 1,407,794; Feb. 28.
- Knobs, Making. C. P. Swick and F. O. Krantz. No. 1,407,960; Feb. 28.
- Lamp attachment. S. H. Wilson. No. 1,408,328; Feb. 28.
- Lamps, Display stand for incandescent electric. W. C. Neahr. No. 1,408,128; Feb. 28.
- Lap-forming machine. A. E. Maynard and W. A. Gunning. No. 1,408,305; Feb. 28.
- Last, Sliding hinged. J. F. Breen. No. 1,407,723; Feb. 28.
- Latch. E. Ohnstrand. No. 1,407,884; Feb. 28.
- Lath, Plastering. H. J. Mark. No. 1,408,217; Feb. 28.
- Lathe, Last. F. S. Buck. No. 1,407,727; Feb. 28.
- Lathe, Last. L. B. Whipple. No. 1,407,728; Feb. 28.
- Leather and products thereof, Making artificial. C. E. Arnold. No. 1,408,061; Feb. 28.
- Lever lock. C. W. Ribble. No. 1,408,225; Feb. 28.
- License-plate holder. S. Spitz. No. 1,407,896; Feb. 28.
- License tags. J. L. Alkire. No. 1,408,059; Feb. 28.
- Lifboat. A. D. Newcomb. No. 1,408,130; Feb. 28.
- Liquid-fuel conversion, Art of and means for. O. H. Ensign. No. 1,408,278; Feb. 28.
- Liquids and semiliquids, Apparatus for the drying of. J. C. Miller. No. 1,407,701; Feb. 28.
- Liquids, Apparatus for purifying and filtering. R. E. Langston. No. 1,407,762; Feb. 28.
- Loading apparatus. L. W. Palmer. No. 1,408,136; Feb. 28.
- Locating and displacing mechanism, Automatic. B. W. King. No. 1,408,096; Feb. 28.
- Lock: *See*—
- Automobile lock. Nut lock.
- Automobile pedal lock. Railway-rail lock.
- Lever lock. Tank-closure lock.
- Lock. W. D. Kennedy. No. 1,407,755; Feb. 28.
- Lock. O. K. Klein. No. 1,407,868; Feb. 28.
- Lock switch. H. C. Raber. No. 1,408,395; Feb. 28.
- Locomotives, Alarm device for. F. Böhm. No. 1,408,257; Feb. 28.
- Locomotives, Closure for front ends of. C. Harter. No. 1,407,858; Feb. 28.
- Locomotives, Spark arrester for. C. S. Chalfant. No. 1,408,075; Feb. 28.
- Looms, Misthreading device for, weft-replenishing. R. Crompton and W. E. Woodman. No. 1,408,171; Feb. 28.
- Looms, Swell check for. E. Lavalley. No. 1,408,010; Feb. 28.
- Loop ends, Anchor or tie for. G. D. Slaymaker. No. 1,408,230; Feb. 28.
- Lotion, Cosmetic. T. J. Newlyn. No. 1,408,384; Feb. 28.
- Lubricator heater. W. J. Schlacks. No. 1,407,775; Feb. 28.
- Luggage carrier. M. A. Ford. No. 1,407,994; Feb. 28.
- Lumber drier. B. D. Curtis. No. 1,407,786; Feb. 28.
- Machine-tool driving mechanism. C. Bouillon. No. 1,407,834; Feb. 28.
- Machines and tools, Movable platform for positioning special. B. T. Andren. No. 1,408,156; Feb. 28.
- Map, Guide. A. A. Soderberg. No. 1,408,417; Feb. 28.
- Measure, Mechanical. B. P. Faltin. No. 1,408,282; Feb. 28.
- Measuring instrument. F. Flaig. No. 1,407,851; Feb. 28.
- Measuring instrument. P. MacGahan. No. 1,408,110; Feb. 28.
- Measuring instrument, Electrical. W. M. Bradshaw. No. 1,408,071; Feb. 28.
- Measuring instrument, Electrical. J. H. Miller. No. 1,408,119; Feb. 28.
- Mechanical movement. J. F. O'Connor. No. 1,407,883; Feb. 28.
- Metallic shapes, Manufacturing. C. A. Witler. No. 1,408,330; Feb. 28.
- Meter: *See*—
- Demand meter.
- Milking apparatus, Pulsator for. J. A. Schmidt. No. 1,408,036; Feb. 28.
- Milking machine. J. Wilmotte. No. 1,408,326; Feb. 28.
- Milling machine. C. D. Rice. No. 1,407,820; Feb. 28.
- Mills, Spinning roll for spinning. E. H. Wilson and W. C. Ehrenfeld. No. 1,408,327; Feb. 28.
- Mixer: *See*—
- Beverage mixer. Hot and cold water mixer.
- Mold: *See*—
- Concrete mold.
- Molds, Machine for making. E. O. Beardsley and W. F. Pipe. (Reissue.) No. 15,292; Feb. 28.
- Moistening cup, Sanitary. T. Hunt and H. R. Biersdorf. No. 1,408,201; Feb. 28.
- Motor: *See*—
- Spring motor. Wave motor.
- Motor wheel. R. T. Newton. No. 1,408,385; Feb. 28.
- Motors, System of speed regulation and control of induction. H. A. Laycock. No. 1,408,211; Feb. 28.
- Mucilage cap and spreader, Combined. A. N. Ritz. No. 1,407,949; Feb. 28.
- Multiple socket wrench. P. E. Hawkinson. No. 1,407,860; Feb. 28.
- Music rolls, Core reenforcement of. E. G. Clark. No. 1,407,784; Feb. 28.
- Necktie holder. L. Waluch. No. 1,408,151; Feb. 28.
- Needle or stylus. G. E. Bernecker. No. 1,408,337; Feb. 28.
- Nipples, Dust cap for lubrication. B. H. Skelly. No. 1,408,229; Feb. 28.
- Nonskid and traction device. A. Johnson and O. Landholm. No. 1,407,004; Feb. 28.
- Nonskid chain device. G. S. Everhart. No. 1,407,741; Feb. 28.
- Nut lock. W. D. Yocum. No. 1,407,779; Feb. 28.
- Oil burner. H. M. Dahl. No. 1,408,271; Feb. 28.
- Oil cup. L. C. Dutro. Nos. 1,408,180-1; Feb. 28.
- Oil, Manufacturing neutral coconut. W. S. Cookson. No. 1,407,930; Feb. 28.
- Oil or grease dispensing device. C. W. Gregory. No. 1,407,997; Feb. 28.
- Oil, Process of and apparatus for the distillation of. A. C. Armstrong. No. 1,408,242; Feb. 28.
- Oil wells, Sealing of fluids in boreholes for. C. H. Liedbeck. No. 1,407,873; Feb. 28.
- Oils, Manufacture of varnish. A. Schwarzman. No. 1,407,952; Feb. 28.
- Oils, Treating hydrocarbon. A. S. Ramage. No. 1,407,770; Feb. 28.
- Oven, Baker's. F. Kühtz. No. 1,408,360; Feb. 28.
- Oven, Baking. D. R. Meek. No. 1,408,220; Feb. 28.
- Paints, Manufacture of. A. E. Kellam. No. 1,408,091; Feb. 28.
- Pantograph apparatus. G. S. Tiffany. No. 1,408,045; Feb. 28.
- Paper-cutting machines, Safety device for. W. B. Murtha. No. 1,408,020; Feb. 28.
- Paper-roll bushing. H. L. Mumm. No. 1,408,126; Feb. 28.
- Paper weight and absorbent blotter. J. F. Corsan. No. 1,408,344; Feb. 28.
- Pencil clip. J. R. Fitton. No. 1,408,084; Feb. 28.
- Pencil holder. C. E. Erickson. No. 1,407,738; Feb. 28.
- Perborates, Manufacture of. J. K. Langhard. No. 1,408,364; Feb. 28.
- Phonograph-record holder. A. I. Galloway. No. 1,407,938; Feb. 28.
- Phonographs, Automatic stop and start device for. L. R. Wolf. No. 1,407,908; Feb. 28.
- Photographic-printing process. J. E. Thornton. Nos. 1,408,312-15; Feb. 28.
- Pianos, Camphor-holder for. J. De Carlo. No. 1,407,788; Feb. 28.
- Picture-film reels, Take-up device for moving-. K. H. Beiswenger. No. 1,408,249; Feb. 28.
- Picture machines, Cooling device for motion-. C. F. Jenkins. No. 1,408,203; Feb. 28.
- Picture-shutter-adjusting mechanism, Motion-. W. Wenderhold. No. 1,407,905; Feb. 28.
- Piling, Composite sheet. C. S. Boardman. No. 1,408,069; Feb. 28.
- Pin. W. E. Johnson. No. 1,408,206; Feb. 28.
- Pins, springs, washers, thimbles, and like annular members, Machine for making split cotter. F. Athimon. No. 1,408,063; Feb. 28.
- Pipe: *See*—
- Smoker's pipe.
- Pipe, Smoker's. R. L. Beselin. No. 1,408,251; Feb. 28.
- Pipe unions, Forming. A. Nordlund. No. 1,408,390; Feb. 28.
- Pipe wrench. W. L. Bockover. No. 1,407,691; Feb. 28.
- Pipes, Electric heater for thawing. A. C. Hoffman. No. 1,408,196; Feb. 28.
- Pistol, Automatic loading. F. O. Stokke. No. 1,407,959; Feb. 28.
- Piston, Internal-combustion-engine. W. G. and M. Berry. No. 1,408,066; Feb. 28.
- Piston packing. T. G. Saxton. No. 1,408,034; Feb. 28.
- Piston ring. D. A. Hawley. No. 1,408,087; Feb. 28.
- Piston ring. L. Whitcomb. No. 1,407,714; Feb. 28.
- Plate, Cheek. D. S. Barrows. No. 1,407,978; Feb. 28.
- Plow. M. C. Hinkle. No. 1,407,862; Feb. 28.
- Plow. F. Ramsey. No. 1,408,031; Feb. 28.
- Pneumatic drill. C. W. H'Doubler. No. 1,407,176; Feb. 28.
- Portioning mechanism. L. L. Knox. No. 1,407,759; Feb. 28.

- Post: See—
 Back-up post. Yard post.
 Press. H. R. Gilson. No. 1,408,189; Feb. 28.
 Presses, Safety device for slide-operating mechanism in. W. Klocke. No. 1,407,870; Feb. 28.
 Pressure detector. G. E. Pendergast. No. 1,408,221; Feb. 28.
 Printing presses, Jogging mechanism for. D. S. Stone. No. 1,408,419; Feb. 28.
 Projectile, Armor-piercing. W. J. Tucker. No. 1,408,148; Feb. 28.
 Projection apparatus. H. N. Ott, F. H. Bufton. No. 1,408,027; Feb. 28.
 Projection slide carrier. W. Wenderhold. No. 1,407,906; Feb. 28.
 Projector, Spotlight. W. R. Porter. No. 1,408,222; Feb. 28.
 Protector, Sanitary. E. Lacy. No. 1,407,872; Feb. 28.
 Protractor. L. W. Bugbee. No. 1,408,339; Feb. 28.
 Puller: See—
 Spike puller.
 Pulley, Detachable. H. W. L. Pell. No. 1,408,138; Feb. 28.
 Pulley, Reversible clutch. H. C. Stolz. No. 1,407,899; Feb. 28.
 Pulping machine. J. F. Lindley. No. 1,408,303; Feb. 28.
 Pump and engine, Rotary. I. B. Hart. No. 1,408,292; Feb. 28.
 Pump and engine, Rotary. G. F. Moors. Nos. 1,408,380-1; Feb. 28.
 Pump, Centrifugal. O. Haentjens. No. 1,408,291; Feb. 28.
 Pump, Reciprocating. J. D. Keller. No. 1,408,092; Feb. 28.
 Punch presses, Automatic feed for. J. Marian. No. 1,407,699; Feb. 28.
 Rack: See—
 Display rack. Foldable rack.
 Rack, Foldable. H. L. Bates. No. 1,407,912; Feb. 28.
 Radiator alarm. J. G. Nolen. No. 1,408,022; Feb. 28.
 Radiator, Automobile. A. P. Andersen. No. 1,408,060; Feb. 28.
 Radiator composition. O. B. and L. Foster. No. 1,407,995; Feb. 28.
 Radiator construction. C. W. Cole. No. 1,407,929; Feb. 28.
 Rail brace. M. Jicha. No. 1,407,865; Feb. 28.
 Rail-fastening means. J. Zotkiewicz. No. 1,408,058; Feb. 28.
 Rail feed, Automatic. V. Sincovitz. No. 1,408,411; Feb. 28.
 Rail lock, Railway. L. W. Harris. No. 1,407,999; Feb. 28.
 Rail tie and fastener. A. Pokorny. No. 1,408,395; Feb. 28.
 Railway-accident insurance, Device for providing. G. E. Dickson. No. 1,408,175; Feb. 28.
 Railway-crossing gate. A. W. Knee. No. 1,408,008; Feb. 28.
 Railway crossing, Noiseless. F. P. Yeomans. No. 1,407,778; Feb. 28.
 Railway fish-plate spike and nut lock. A. McDonald. No. 1,408,374; Feb. 28.
 Railway spike. E. W. Smith. No. 1,407,893; Feb. 28.
 Railway switch. I. Arteaga. No. 1,408,333; Feb. 28.
 Range, Combination coal and gas. C. F. Wiley. No. 1,407,715; Feb. 28.
 Range, Cooking. R. L. Poe. No. 1,407,768; Feb. 28.
 Rat trap. J. W. Hielt. No. 1,407,861; Feb. 28.
 Razor blades, Machine for whetting. E. K. F. Heydenbluth. No. 1,408,298; Feb. 28.
 Razor, Safety. C. W. Jones. No. 1,408,355; Feb. 28.
 Reaming machine. S. B. Clay. No. 1,408,341; Feb. 28.
 Reducing machine. Cage for. M. F. Williams. No. 1,408,055; Feb. 28.
 Reflector. A. L. Arenberg. No. 1,407,910; Feb. 28.
 Refrigerator. R. H. Bremer. No. 1,408,260; Feb. 28.
 Refrigerator, Tank. H. J. Gwyer. No. 1,407,857; Feb. 28.
 Refrigerator chamber. J. H. Gray. No. 1,408,086; Feb. 28.
 Register: See—
 Autographic register.
 Retainer, Object. R. J. Gruenberg. No. 1,408,191; Feb. 28.
 Reversing mechanism, Automatic. C. W. Groot. No. 1,408,289; Feb. 28.
 Revetment. E. Jones. No. 1,407,866; Feb. 28.
 Rim, Demountable. A. C. Dam. Nos. 1,408,172-3; Feb. 28.
 Rims, Locking means for demountable. L. L. Darrow and F. W. Hoessel. No. 1,407,787; Feb. 28.
 Ring: See—
 Piston ring.
 Ring. J. Hochenauer, Jr. No. 1,407,863; Feb. 28.
 Ring-spinning and like machines, Separator for. J. R. Williams. No. 1,408,324; Feb. 28.
 Roller: See—
 Shade roller.
 Rule pocket. C. R. Wood. No. 1,407,827; Feb. 28.
 Sand-molding apparatus. E. L. Towle. No. 1,407,902; Feb. 28.
 Sand-settling box. E. E. Berry. No. 1,407,919; Feb. 28.
 Sandal, Antislipping. B. Noblette. No. 1,408,388; Feb. 28.
 Sandal or slipper. W. S. H. Doody. No. 1,407,992; Feb. 28.
 Sawing mechanism, Portable. A. O. M. Löfgren. (Re-issue.) No. 15,294; Feb. 28.
 Scale. F. A. Burkhard. No. 1,408,264; Feb. 28.
 Scale. J. E. Seederer. No. 1,408,038; Feb. 28.
 Scales, Indicator for weighing. S. G. Crane. No. 1,407,987; Feb. 28.
 Scraper loader system. C. E. Davis. No. 1,408,080; Feb. 28.
 Screen: See—
 Glare screen. Wire-stretching-tool screen.
 Screen. E. K. Lincoln. No. 1,408,370; Feb. 28.
 Screw threads in work pieces. Tool for cutting. E. Jfanger. No. 1,408,205; Feb. 28.
 Scrubbing device. G. A. Blank. No. 1,408,253; Feb. 28.
 Scrubbing machine, Floor. W. Zehnder. No. 1,408,331; Feb. 28.
 Seeding machine. T. J. McBride. No. 1,407,796; Feb. 28.
 Separator. E. C. Horst. No. 1,408,199; Feb. 28.
 Settling and thickening device. C. Allen. No. 1,408,154; Feb. 28.
 Sewing machine. W. Evers. No. 1,407,849; Feb. 28.
 Sewing machines, Looper-thread-controlling mechanism for. G. S. Gatchell. No. 1,408,185; Feb. 28.
 Shackle. H. B. McCandless. No. 1,407,942; Feb. 28.
 Spade-holding attachment. A. Motschenbacher. No. 1,407,876; Feb. 28.
 Shade roller. T. Digne. No. 1,407,991; Feb. 28.
 Shaft coupling. C. Steenstrup. No. 1,408,041; Feb. 28.
 Shafts of machines, Detachable support for horizontal. H. W. Fahrlander. No. 1,408,282; Feb. 28.
 Shaping machine for articles. G. B. Brown. No. 1,407,724; Feb. 28.
 Sheet metal, Forming. F. H. Stolp. No. 1,408,232; Feb. 28.
 Shelf, Display. A. W. Dewitt. No. 1,407,845; Feb. 28.
 Shipping-case-riveting machine. A. R. Havener. No. 1,407,859; Feb. 28.
 Shock-absorbing apparatus. T. A. Gannon. No. 1,407,745; Feb. 28.
 Shock-absorbing mechanism. J. F. O'Connor. No. 1,407,882; Feb. 28.
 Shoehorn. E. W. Walter. No. 1,408,318; Feb. 28.
 Shoes, Manufacture of turned. W. H. Taylor. No. 1,408,043; Feb. 28.
 Shuttle-thread package. A. T. Huser. No. 1,408,202; Feb. 28.
 Sign. A. H. Meinig. No. 1,407,944; Feb. 28.
 Sign, Electric flasher. F. J. Reichmann. No. 1,407,805; Feb. 28.
 Sign letter and frame. A. M. Knauber. No. 1,408,210; Feb. 28.
 Signal: See—
 Auto theft signal. Automobile signal.
 Automobile direction signal. Warning signal.
 Signal system. W. P. Gregory. No. 1,408,190; Feb. 28.
 Signaling device. G. Roscoe. No. 1,407,822; Feb. 28.
 Sled. A. L. Platte. No. 1,408,029; Feb. 28.
 Sled. M. Potkalicki. No. 1,407,888; Feb. 28.
 Sled, Motor. G. E. Williams. No. 1,407,974; Feb. 28.
 Snap fastener. A. R. Burrell. No. 1,408,073; Feb. 28.
 Snap hook. W. H. Moore. No. 1,407,797; Feb. 28.
 Snowplow. L. Pagel. No. 1,407,947; Feb. 28.
 Socket. R. F. Armstrong. No. 1,408,157; Feb. 28.
 Soda-water draft arms, Plural-stream-distributing attachment for. C. R. Ragsdale. No. 1,408,397; Feb. 28.
 Soldering iron, Electric. W. A. Braun. No. 1,407,722; Feb. 28.
 Sound-producing instrument. G. Virzi. No. 1,408,150; Feb. 28.
 Sound-reproducing device. W. L. Chamberlain. No. 1,407,928; Feb. 28.
 Sound-reproducing machine. F. Cheney. No. 1,407,781; Feb. 28.
 Spade knife. O. H. Lewis. No. 1,408,368; Feb. 28.
 Speed-change mechanism. R. E. Winters. No. 1,407,716; Feb. 28.
 Spike puller. A. M. Kurzwa. No. 1,408,361; Feb. 28.
 Spinning machine. E. A. Jones. No. 1,407,754; Feb. 28.
 Spinning machine, Thread. W. F. Haupt. No. 1,407,793; Feb. 28.
 Spirometers, Equalizing device for. C. H. Dane. No. 1,407,841; Feb. 28.
 Spotlight. S. L. Leiby. No. 1,408,104; Feb. 28.
 Spotlight, Adjustable. W. Steiner. No. 1,407,897; Feb. 28.
 Spring: See—
 Auxiliary spring. Cantilever spring.
 Spring and shock absorber, Combined. T. Morski. No. 1,408,124; Feb. 28.
 Spring motor. P. S. Larson. No. 1,408,365; Feb. 28.
 Spring suspension. E. H. Belden. No. 1,407,916; Feb. 28.
 Stamp, Hand. P. L. Nordin. No. 1,408,389; Feb. 28.
 Stamp pad, Self-feed lettering. A. B. Jones. No. 1,408,207; Feb. 28.
 Stanchion. P. A. Henning, Jr. No. 1,408,294; Feb. 28.
 Stand: See—
 Display stand.
 Staple strip. A. D. Tibbals. No. 1,407,709; Feb. 28.
 Steam boiler. W. F. Wegner. No. 1,408,052; Feb. 28.
 Stop motion. H. Berlin. No. 1,408,250; Feb. 28.
 Stoves, Grate for gas and oil. L. T. Wilcox. No. 1,408,235; Feb. 28.
 Strap fastening. J. M. Failey. No. 1,408,281; Feb. 28.
 Street indicator. J. A. Everell, E. Plamondon, and U. Plourde. No. 1,407,848; Feb. 28.

- Stud. Press. F. Goubert. No. 1,407,854; Feb. 28.
 Stump puller and grubbing apparatus. S. H. Snuffer and J. A. Shanks. No. 1,407,707; Feb. 28.
 Suction sweeper. F. M. Case. No. 1,408,074; Feb. 28.
 Supervisory mechanism. E. C. Healey. No. 1,407,809; Feb. 28.
 Supervisory mechanism. E. C. Healy. No. 1,407,811; Feb. 28.
 Supervisory mechanism. E. C. Healy. Nos. 1,407,815-16; Feb. 28.
 Supervisory mechanism. E. C. Healy and G. P. Schmidt. No. 1,407,814; Feb. 28.
 Supervisory mechanism. C. E. Renshaw. No. 1,407,810; Feb. 28.
 Supervisory mechanism. C. E. Renshaw. No. 1,407,819; Feb. 28.
 Supervisory mechanism. C. E. Renshaw and E. C. Healy. Nos. 1,407,807-8; Feb. 28.
 Supervisory mechanism. C. E. Renshaw and E. C. Healy. Nos. 1,407,812-13; Feb. 28.
 Supervisory mechanism. C. E. Renshaw and H. C. Davis. No. 1,407,818; Feb. 28.
 Switch. *See—*
 Electric switch. Railway switch.
 Lock switch.
 Switching apparatus. W. M. Scott. No. 1,407,953; Feb. 28.
 Syringe filler, Automatic. W. J. Daly. No. 1,408,272; Feb. 28.
 Table. *See—*
 Cafeteria table.
 Table. E. H. Sheldon. No. 1,408,226; Feb. 28.
 Table and ladder, Combination. F. X. Ratkovic. No. 1,408,398; Feb. 28.
 Tackle block. C. E. Davis. No. 1,408,273; Feb. 28.
 Tank. *See—*
 Transformer tank.
 Tank-closure lock. H. H. Brooker. No. 1,407,922; Feb. 28.
 Tanks, Ball cock for flush. C. H. Gunn. No. 1,408,192; Feb. 28.
 Tanks, Water gauge for. F. W. Martin. No. 1,408,218; Feb. 28.
 Tapeline holder. J. H. Currie. No. 1,408,347; Feb. 28.
 Tape remover. G. J. Smalley. No. 1,407,955; Feb. 28.
 Teat cups, Ring inserter for milking machine. F. S. Snyder. No. 1,408,039; Feb. 28.
 Telephone system. H. P. Clausen and C. L. Goodrum. No. 1,407,985; Feb. 28.
 Telephone system. E. M. Slough. No. 1,407,892; Feb. 28.
 Telephone system. H. W. Ulrich. No. 1,408,046; Feb. 28.
 Telephone-exchange system. G. E. Mueller. No. 1,408,125; Feb. 28.
 Templates and jigs, Tools for laying out. F. D. Knapp and F. L. Jackson. No. 1,408,098; Feb. 28.
 Tension device. J. G. Carlson. No. 1,407,731; Feb. 28.
 Thermostatic circuit closer. A. A. Buck. No. 1,408,168; Feb. 28.
 Thermostatic device. P. Mirk. No. 1,408,122; Feb. 28.
 Thermophone and making it. T. C. Browne and C. F. Brush, Jr. No. 1,407,726; Feb. 28.
 Thread-milling hob and making. E. Buckingham. No. 1,407,837; Feb. 28.
 Threads, Machine for spinning, washing, and drying viscose. M. Denis. No. 1,408,350; Feb. 28.
 Ticket, Lunch counter. J. B. Larkin. No. 1,408,103; Feb. 28.
 Tie plate and rail anchor, Combined. W. P. Ware. No. 1,408,319; Feb. 28.
 Timing device. H. E. Warren. No. 1,408,050; Feb. 28.
 Tire and wheel rim to be used therewith. F. Reddaway and G. J. Rackham. No. 1,408,399; Feb. 28.
 Tire-chain tightener and lock. C. F. and A. I. Johnson. No. 1,407,753; Feb. 28.
 Tire-deflating machine. H. P. Kraft. No. 1,408,099; Feb. 28.
 Tire-forming core. K. O. B. Textorius. No. 1,408,044; Feb. 28.
 Tire rim, Automobile. J. A. Beddingfield. Nos. 1,408,164-5; Feb. 28.
 Tire-testing method and machine. H. D. Ayres. No. 1,408,159; Feb. 28.
 Tire, Vehicle. T. H. Kip. No. 1,407,756; Feb. 28.
 Tire, Vehicle. R. H. Waters. No. 1,407,967; Feb. 28.
 Tire valve and gauge. W. C. Loy. No. 1,408,012; Feb. 28.
 Tires, Expandable core for vulcanizing. H. J. Bittaker. No. 1,407,718; Feb. 28.
 Tires, Manufacture of. J. C. Clinefelter and H. Ries. No. 1,407,839; Feb. 28.
 Tires, Mold for making cushion. F. A. Krusemark. No. 1,408,100; Feb. 28.
 Tires, Traction appendage for wheel. A. E. Bihler. No. 1,407,832; Feb. 28.
 Toilet flush. C. H. Gunn. No. 1,407,998; Feb. 28.
 Tool, Combination gauging. S. Garratt, G. Barron, and A. Garratt. No. 1,408,085; Feb. 28.
 Tool, Hand. W. A. Bernard. No. 1,407,780; Feb. 28.
 Tool holder. G. Osberg. No. 1,407,764; Feb. 28.
 Tools, Heating unit for electrically-heated. F. Kuhn, L. H. Thomas, and J. G. Spiess. No. 1,407,692; Feb. 28.
 Tools, Making. R. H. Smith. No. 1,407,894; Feb. 28.
 Toothbrush, Rotary. J. L. T. Sneed. No. 1,407,956; Feb. 28.
 Torpedo, Land. E. E. Wickersham. No. 1,407,969; Feb. 28.
 Torpedoes, System for predirecting. A. D. Trenor. No. 1,408,147; Feb. 28.
 Towing device. A. Heymoss. No. 1,408,002; Feb. 28.
 Toy. E. G. Schreyer and C. Hewson. No. 1,408,037; Feb. 28.
 Toy, Aerial. B. K. Hauck. No. 1,408,001; Feb. 28.
 Toy, Mechanical. D. N. Stewart and J. L. Williams. No. 1,407,825; Feb. 28.
 Toy motor vehicle. F. A. Nauts. No. 1,407,879; Feb. 28.
 Toy power machine. A. Silworsky and P. Dorozynsky. No. 1,408,412; Feb. 28.
 Track drain. W. T. O'Donnell. No. 1,408,134; Feb. 28.
 Track rails, Anchoring means for. G. F. A. Ochs. No. 1,408,391; Feb. 28.
 Traction wheel. C. Alles. No. 1,408,238; Feb. 28.
 Traction wheel. H. W. Kardell. No. 1,408,090; Feb. 28.
 Tractor. E. E. Wickersham. No. 1,407,972; Feb. 28.
 Tractor and trailer coupling mechanism. C. H. Land, Jr. No. 1,408,101; Feb. 28.
 Tractor hitch. F. P. Dederig. No. 1,407,843; Feb. 28.
 Tractor-frame suspension. E. E. Wickersham. No. 1,407,973; Feb. 28.
 Tractor-wheel attachment. S. A. Garland. No. 1,408,285; Feb. 28.
 Tractors, Attachment for self-starting. F. Gaebel. No. 1,408,286; Feb. 28.
 Tractors, Clutch holddown for Fordson. A. Christensen. No. 1,407,732; Feb. 28.
 Tractors, Controlling device for. E. N. Smith. No. 1,408,231; Feb. 28.
 Tractors, Draft device for. T. E. McCollum. No. 1,408,107; Feb. 28.
 Tractors, Drawbar for. G. Zimmer. No. 1,408,057; Feb. 28.
 Tractors, Governor for. U. Sorensen. No. 1,407,957; Feb. 28.
 Tractors, Steering mechanism for. E. N. Smith and H. H. Dillinger. No. 1,408,416; Feb. 28.
 Trailer. C. H. Land, Jr. No. 1,408,102; Feb. 28.
 Train-pipe coupling, Automatic. H. N. Moore. No. 1,408,378; Feb. 28.
 Train-stopping apparatus, Automatic. V. W. Nye and E. M. Amthor. No. 1,408,025; Feb. 28.
 Train-stopping device. M. C. Foster. No. 1,407,742; Feb. 28.
 Transformer tank. L. G. McClintock. No. 1,408,215; Feb. 28.
 Trap. *See—*
 Fish trap. Rat trap.
 Trap. G. F. Lynde. No. 1,407,697; Feb. 28.
 Trap. G. Wyskwarko. No. 1,407,909; Feb. 28.
 Tray or basket desk. N. A. Ochiltree. No. 1,408,026; Feb. 28.
 Treatment for venereal diseases. W. E. Craig. No. 1,408,170; Feb. 28.
 Tree. *See—*
 Doubletree.
 Trimming device. R. McClenathen. No. 1,408,016; Feb. 28.
 Tripping device. W. M. Austin. No. 1,408,243; Feb. 28.
 Tripping device. B. McInerney. No. 1,408,108; Feb. 28.
 Tripping mechanism. G. M. Johnson. No. 1,408,089; Feb. 28.
 Trolley. W. E. Bee. No. 1,408,248; Feb. 28.
 Trolley-conductor clamp. N. J. A. Wahlberg. No. 1,408,048; Feb. 28.
 Truck-compensating mechanism. E. E. Wickersham. No. 1,407,970; Feb. 28.
 Truck for transferring concrete. G. H. MacLean. No. 1,407,698; Feb. 28.
 Trucks, Semiwood wheel for motor. E. K. Baker. No. 1,407,829; Feb. 28.
 Trunk. W. Shull. No. 1,408,409; Feb. 28.
 Tube cleaner. F. W. Linaker and T. M. Bruback. No. 1,408,369; Feb. 28.
 Tube cushion, Inner. J. W. and G. F. Burgess. No. 1,407,730; Feb. 28.
 Turbines, Governing means for marine. C. R. Waller. No. 1,408,049; Feb. 28.
 Turntable. H. E. Moore. No. 1,408,379; Feb. 28.
 Type brick and briquetting press, Rotary. D. Singh. No. 1,408,310; Feb. 28.
 Typewriters, Manifolding attachment for. M. L. Cossitt. No. 1,408,345; Feb. 28.
 Typewriters, Manifolding attachment for. M. L. Cossitt. Nos. 1,407,932-5; Feb. 28.
 Typewriting machine. G. W. Campbell. No. 1,407,982; Feb. 28.
 Typewriting machine. A. G. F. Kurowski. No. 1,408,009; Feb. 28.
 Typewriting machines, Manifolding attachment for. M. L. Cossitt. No. 1,407,931; Feb. 28.
 Typewriting machines, Paper finger for. F. W. Hillard. No. 1,408,003; Feb. 28.
 Unbalance, Method of and means for determining. A. B. Clark and G. Crisson. No. 1,407,983; Feb. 28.
 Valve. A. W. Carlson. No. 1,408,340; Feb. 28.
 Valve, Constant-volume. M. J. Dewey. No. 1,407,844; Feb. 28.
 Valve-controlling apparatus, Thermostatic. P. Mirk. No. 1,408,120; Feb. 28.
 Valve, Gas-regulating. L. E. Trosclair. No. 1,407,963; Feb. 28.
 Valve grinder. J. Blinkilde. No. 1,408,254; Feb. 28.

- Valve mechanism, Pop-up waste-. J. Allingham. No. 1,408,239; Feb. 28.
- Valve, Thermostatic air. P. Mirk. No. 1,408,121; Feb. 28.
- Valves, Recording attachment for. B. Richards. No. 1,407,806; Feb. 28.
- Varnish, paint, or cement and making same. H. F. Willkie. No. 1,408,325; Feb. 28.
- Vehicle bow-top holder. C. L. Bair. No. 1,408,161; Feb. 28.
- Vehicle spring suspension. E. H. Belden. No. 1,407,914; Feb. 28.
- Vehicle top-bow holder. C. L. Bair. No. 1,408,160; Feb. 28.
- Vehicles, Brake mechanism for chain track. W. Turnbull. No. 1,407,964; Feb. 28.
- Vehicles, Direction indicator for. G. E. Bates. No. 1,407,831; Feb. 28.
- Vehicles, Distance-measuring apparatus for. T. Coressey. No. 1,407,986; Feb. 28.
- Vehicles, Fender for motor. J. L. Nordnes. No. 1,407,881; Feb. 28.
- Vehicles, Fender for motor-driven. L. Mellett and T. Curran. No. 1,408,117; Feb. 28.
- Vehicles, Spring suspension for motor. E. H. Belden. No. 1,407,915; Feb. 28.
- Vehicles, Spring suspension for. E. H. Belden. No. 1,407,917; Feb. 28.
- Vending machine, Beverage-. D. J. Butterfield. No. 1,407,838; Feb. 28.
- Vending machine, Coin-controlled. J. H. Mann, Jr. No. 1,408,112; Feb. 28.
- Vending machine, Legal-blank-. J. O. Davis and J. H. Stice. No. 1,407,842; Feb. 28.
- Vessel, Marine. J. C. Christiansen. No. 1,408,270; Feb. 28.
- Viscose, Manufacture of artificial goods from. M. Luft. No. 1,407,696; Feb. 28.
- Vise. W. Franck. No. 1,407,743; Feb. 28.
- Vulcanizer. W. Reilly. No. 1,407,771; Feb. 28.
- Vulcanizing apparatus. H. E. Morriss. No. 1,408,382; Feb. 28.
- Wardrobe, Knockdown portable. J. M. Galloway. No. 1,408,284; Feb. 28.
- Warning signal. J. D. Coughlin. No. 1,408,346; Feb. 28.
- Washbasin. A. Rogers. No. 1,408,402; Feb. 28.
- Water-closet connection. J. J. Cosgrove. No. 1,407,734; Feb. 28.
- Water, Device for measuring out. S. O. Johns. No. 1,407,752; Feb. 28.
- Water heater, Interposed. E. Davock. No. 1,407,989; Feb. 28.
- Water mixer, Hot and cold. A. Manelis. No. 1,408,375; Feb. 28.
- Watering tank and heater. A. W. Cummings. No. 1,407,988; Feb. 28.
- Wave motor. E. C. Kersey. No. 1,408,094; Feb. 28.
- Wave motor. D. R. Olmsted. No. 1,407,885; Feb. 28.
- Wax-sweating apparatus. A. Housholder. No. 1,408,200; Feb. 28.
- Weed exterminator. C. A. Batterson. No. 1,407,689; Feb. 28.
- Wedge, Cleaving. H. Boner. No. 1,407,719; Feb. 28.
- Welding, Apparatus for electric. R. Stresau. No. 1,407,900; Feb. 28.
- Well-drilling apparatus. R. L. Burns. No. 1,407,924; Feb. 28.
- Well-drilling bit, Adjustable. P. Caveney. No. 1,407,927; Feb. 28.
- Well-measuring device. R. C. Mason. No. 1,408,113; Feb. 28.
- Wheelbarrow. W. F. Berry. No. 1,407,690; Feb. 28.
- Wheel: See—
Motor wheel. Traction wheel.
- Wheel construction. B. R., C., and R. S. Bolenbaugh, and L. W. Long. No. 1,408,258; Feb. 28.
- Window-hole protector. C. L. Wolfe and J. A. Faurot. No. 1,407,975; Feb. 28.
- Window shutter. C. Gugino. No. 1,407,856; Feb. 28.
- Wire-rope socket. D. W. Snow. No. 1,408,144; Feb. 28.
- Wire-stretching tool, Screen-. F. G. Stewart. No. 1,407,898; Feb. 28.
- Wood construction, Artificial-fiber-. L. Havasy. No. 1,407,747; Feb. 28.
- Workbench. G. A. Scott. No. 1,408,408; Feb. 28.
- Workbox for domestic use. R. Kelsall. No. 1,408,093; Feb. 28.
- Worm drive, Adjustable. G. A. Weidely. No. 1,407,904; Feb. 28.
- Wrench: See—
Multiple-socket wrench. Pipe wrench.
- Wrench. N. Eckles. No. 1,408,275; Feb. 28.
- Wrench. A. M. Shenk, A. Saltzer and L. Saltzer. No. 1,408,143; Feb. 28.
- Yard post. C. E. Renshaw and E. C. Healy. No. 1,407,817; Feb. 28.

ALPHABETICAL LIST OF DESIGNS.

- Automobile radiator ornament. W. S. Harris. No. 60,492; Feb. 28.
- Automobile radiator ornament, badge, button or similar article. F. H. Topel. No. 60,503; Feb. 28.
- Charm. L. Weiner. No. 60,504; Feb. 28.
- Clock or similar article. J. Berger. No. 60,484; Feb. 28.
- Desk utensil—namely, a paper weight, inkstand, or similar article. M. W. Collins. No. 60,487; Feb. 28.
- Doll. R. Davis. No. 60,488; Feb. 28.
- Doll. I. C. Gowan. No. 60,491; Feb. 28.
- Doll. C. J. Ross. No. 60,501; Feb. 28.
- Heater, Electric immersion. J. F. McCloskey. No. 60,496; Feb. 28.
- Inkwell. J. Mitz. No. 60,498; Feb. 28.
- Jug, Vacuum insulated. G. P. Altenberg. No. 60,483; Feb. 28.
- Lighting-fixture member or similar article. B. Stieger. No. 60,502; Feb. 28.
- Measuring instrument for draftsmen's use. B. J. Henley. No. 60,493; Feb. 28.
- Pictures and mirrors, Frame for. H. Peterson. No. 60,499; Feb. 28.
- Picture mount. S. E. Butler. No. 60,485; Feb. 28.
- Pin, brooch, or ring. L. Rosenthal. No. 60,500; Feb. 28.
- Plate or similar article. M. M. Engelhardt. No. 60,489; Feb. 28.
- Radiator section, Gas. L. Cinq-Mars. No. 60,486; Feb. 28.
- Ring, Finger. J. Kreisler. No. 60,495; Feb. 28.
- Step tread. A. E. Johnson. No. 60,494; Feb. 28.
- Tray or similar article, Bread. V. Gaertner. No. 60,490; Feb. 28.
- Watch-movement case. S. K. Ouzoun-Boghossian. No. 60,497; Feb. 28.

ALPHABETICAL LIST OF TRADE-MARKS REGISTERED.

- Agricultural machinery and tractors and tractor hitches. Certain. International Harvester Company. No. 152,433; Feb. 28.
- Alfalfa meal. Denver Alfalfa Milling & Products Co. No. 152,383; Feb. 28.
- Alloys, Gold. J. M. Ney Company. No. 152,619; Feb. 28.
- Almonds and other nuts. Nut Specialty House. No. 152,472; Feb. 28.
- Automobile locks. Security Manufacturing Company. No. 152,628; Feb. 28.
- Balls, Golf. John Wanamaker, New York. No. 152,538; Feb. 28.
- Baseballs. Thos. E. Wilson & Co. No. 152,552; Feb. 28.
- Bats, Baseball. Hillerich & Bradsby Co. No. 152,426; Feb. 28.
- Batteries, Dry. Franco Electric Corporation. No. 152,589; Feb. 28.
- Batteries, Electric. National Carbon Company. No. 152,617; Feb. 28.
- Beer. American Brewing Company. No. 20,306; renewed Nov. 3, 1921.
- Beverage and powder for making same, Nonalcoholic. "Pep" Laboratory. No. 152,480; Feb. 28.
- Beverage and sirup therefor. J. E. Fowler. No. 152,588; Feb. 28.
- Beverages and sirups for making same, Nonalcoholic. Diamond Bottling Corporation. No. 152,387; Feb. 28.
- Beverage, Nonalcoholic. A. Colletti. No. 152,371; Feb. 28.
- Bicycles, Power-driven. Cyclometer Corporation. No. 152,578; Feb. 28.
- Billiard and pocket tables. Excel Mfg. Company. No. 152,584; Feb. 28.
- Bird seeds and foods. Heeger Bird Co. No. 152,422; Feb. 28.
- Bolts, Expansion. R. S. Peirce. No. 152,483; Feb. 28.
- Bouillon cubes. Pure Food Specialty Corporation. No. 152,621; Feb. 28.
- Bread, biscuits, cake, etc. John J. Nissen Baking Company. No. 152,469; Feb. 28.
- Brick and cementitious tile. Birmingham Slag Co. No. 152,351; Feb. 28.
- Brooms. Windsor Broom Company. No. 152,554; Feb. 28.
- Brushes, Certain toilet. Kyoto Manufacturing & Trading Co. No. 152,605; Feb. 28.
- Brushes, Hair, tooth, hat, etc. Tuskeloid Company. Nos. 152,521-2; Feb. 28.
- Brushes, Lather and hair. L. Ascher. No. 152,343; Feb. 28.
- Brushes, Lather. Hardright Company. No. 152,420; Feb. 28.
- Brushes, Tooth, nail, hand, bath. Kaufman-Straus Co. No. 152,440; Feb. 28.
- Building materials, Certain. Evans Builders Company. No. 152,396; Feb. 28.
- Buttermilk, Dried. Buttermilk Sales Co. No. 152,365; Feb. 28.
- Cabbage, beans, Irish potatoes, peaches, watermelons, and sweet potatoes, Fresh. Gulf Coast Produce Exchange. No. 152,419; Feb. 28.
- Cambrics, H. A. Donnelly. No. 152,388; Feb. 28.
- Cambrics in the piece. Berkeley Company. No. 152,348; Feb. 28.
- Candies. Cruzen-Allegretti Co. No. 152,377; Feb. 28.
- Candies, Chocolate. E. Greenfield's Sons. No. 152,413; Feb. 28.
- Candy. Ucanco Candy Company. No. 152,524; Feb. 28.
- Candy. Williamson Candy Co. No. 152,550; Feb. 28.
- Candy, Brand of. Johnson & Bonnier. No. 152,435; Feb. 28.
- Candy, Small sugared sticks of. Chase & Company, Corporation. No. 20,003; renewed Aug. 18, 1921.
- Canned fruits. H. M. Lockwood. No. 152,450; Feb. 28.
- Canned goods, molasses, tea, etc. E. C. Harley Company. No. 152,597; Feb. 28.
- Canned oysters and shrimp. Biloxi Fishermen's Packing Co. No. 152,566; Feb. 28.
- Canned peppers. A. Schratter. No. 152,627; Feb. 28.
- Canned salmon. George W. Sanborn & Sons. No. 152,494; Feb. 28.
- Canned vegetables. W. R. Roach & Co. No. 152,623; Feb. 28.
- Cards, Playing. New York Consolidated Card Company. No. 21,093; renewed May 10, 1922.
- Cards, Playing. United States Playing Card Company. Nos. 152,528-9; Feb. 28.
- Castings, Certain. Kingwell Bros. No. 152,443; Feb. 28.
- Cement, Portland. Lehigh Portland Cement Company. No. 152,609; Feb. 28.
- Cement, Portland. Petoskey Portland Cement Co. No. 152,482; Feb. 28.
- Chocolate and cocoa, Milk. Peter Cailler Kohler Swiss Chocolates Co. No. 152,481; Feb. 28.
- Christmas trees, Decoration suitable for ornamentation of. Conley Foil Company. No. 152,374; Feb. 28.
- Cigarettes. Bloch Bros. Tobacco Co. No. 152,353; Feb. 28.
- Cigars. All Saints Cigar Company. No. 152,336; Feb. 28.
- Cigars. H. & E. Cigar Company. No. 152,423; Feb. 28.
- Cigars. Congress Cigar Co. No. 152,373; Feb. 28.
- Cigars. Mi Favorita Cigar Company. No. 152,461; Feb. 28.
- Cigars. J. Gener. No. 19,887; renewed July 14, 1921.
- Cigars. Y. F. O'Halloran & Son. No. 152,475; Feb. 28.
- Cigars. J. N. McCrary. No. 152,452; Feb. 28.
- Cigars. F. H. Nuttleman. No. 152,473; Feb. 28.
- Cigars. M. Rosenthal. Nos. 152,488-9; Feb. 28.
- Cigars. Silberman & Gast. No. 152,504; Feb. 28.
- Clothes for small boys. Charles William Stores, Inc. No. 152,367; Feb. 28.
- Cloth in the piece, Camel's hair. Worumbo Manufacturing Company. No. 152,555; Feb. 28.
- Coffee. General Coffee and Tea Company. No. 152,405; Feb. 28.
- Coffee. Simon Levi Company. No. 152,505; Feb. 28.
- Coffee, tea, spices. Woolson Spice Company. No. 152,648; Feb. 28.
- Concrete-mixers and distributing-machines, graders, etc. Koehring Company. No. 152,447; Feb. 28.
- Cotton, linen, and hemp yarns, etc., Sewing. Aktiengesellschaft fur Textil-Industrie, vormals Dollfus-Meig & Cie. Nos. 20,543-4; renewed Jan. 5, 1922.
- Cotton piece goods. Boston Manufacturing Company, 1901. No. 152,359; Feb. 28.
- Cotton piece goods. Fort Dummer Mills. No. 152,587; Feb. 28.
- Cotton piece goods. Garner Print Works and Bleachery. Nos. 152,590-1; Feb. 28.
- Cotton piece goods. White Mills of New Hampshire. No. 152,547; Feb. 28.
- Cotton, silk, etc., piece goods. N. Erlanger, Blumgart & Co. No. 152,394; Feb. 28.
- Cranes. Colby Steel and Engineering Co. No. 152,370; Feb. 28.
- Cream, Cleansing. A. J. Krank. No. 152,604; Feb. 28.
- Cream, Cold. Richard Hudnut. No. 152,601; Feb. 28.
- Crucibles. Lava Crucible Company. No. 152,608; Feb. 28.
- Crullers. Van Cruller Company. No. 152,532; Feb. 28.
- Cutlery and tools, Certain. Winchester Repeating Arms Co. No. 152,553; Feb. 28.
- Dental cream. R. H. McMellan. No. 152,613; Feb. 28.
- Diagnostic instruments for measuring the rate of oxygen consumption. H. M. Jones. No. 152,437; Feb. 28.
- Dice, Rotatable. Spinim Co. No. 152,511; Feb. 28.
- Display counter, Freezer. Harry L. Hussmann Refrigerator & Supply Company. No. 152,429; Feb. 28.
- Dish-washing machines. Sanitary Dish Washing Machine Company. No. 152,495; Feb. 28.
- Dolls. George Borgfeldt & Co. Nos. 152,357-8; Feb. 28.
- Dolls. A. Straus & Co. No. 152,517; Feb. 28.
- Doors, Machinery for controlling operation of. H. G. Ainsworth. No. 152,334; Feb. 28.
- Driers. Hamler Boiler & Tank Company. No. 152,593; Feb. 28.
- Drinks, Certain soft. Wawbeek Spring Water Co. No. 152,542; Feb. 28.
- Electrical apparatus, Certain. Anthony Company. No. 152,563; Feb. 28.
- Emblems, Masonic and other society. Sinnock & Sherrill. No. 20,250; renewed Oct. 20, 1921.
- Engines, Water circulator for internal combustion. S & G Manufacturing Company. No. 152,499; Feb. 28.
- Envelope machines. F. L. Smithe Machine Company. No. 152,506; Feb. 28.
- Envelopes. Tension Envelope Company. No. 152,519; Feb. 28.
- Extracts and sirups for making beverages. H. A. Johnson & Co. No. 152,602; Feb. 28.
- Eyeglass frames and mountings. F. A. Hardy & Company. No. 152,594; Feb. 28.
- Eyeglass mountings. F. A. Hardy & Company. No. 152,596; Feb. 28.
- Fabrics, Textile. Banner Silk Knitting Mills. No. 152,345; Feb. 28.
- Fabrics, Worsted and woolen textile. Holden-Leonard Company. No. 152,427; Feb. 28.
- Feed, Cattle and stock. S. P. Davis. No. 152,380; Feb. 28.
- Fencing, Wire. American Steel and Wire Company of New Jersey. No. 152,561; Feb. 28.
- Fish food. Heeger Bird Company. No. 152,421; Feb. 28.
- Flatware and cutlery of base metal, Table. Premier Cutlery, Inc. Nos. 152,484-5; Feb. 28.
- Floor coverings. Cott-A-Lap Company. No. 152,376; Feb. 28.
- Flooring, Stucco and composition. Dorite Manufacturing Company. No. 152,389; Feb. 28.
- Flooring, Composition. Flexstone Flooring Company. No. 152,400; Feb. 28.

- Flooring in blocks and sheets. Composition. Junius H. Stone Corporation. No. 152,516; Feb. 28.
- Flour, Wheat. American Hominy Company. No. 152,340; Feb. 28.
- Flour, Wheat. Collins Flour Mills. No. 152,372; Feb. 28.
- Flounces, embroideries, bandings, and skirtings in the piece. G. Sidenberg & Co. Nos. 152,502-3; Feb. 28.
- Fountains, Drinking. Central Brass Manufacturing Co. No. 152,571; Feb. 28.
- Fruit pectin, Concentrated. Pectin Sales Co. No. 152,479; Feb. 28.
- Fruit presses. O. P. Schriver Co. No. 152,497; Feb. 28.
- Fruits, Fresh citrus. N. Grove. Nos. 152,415-7; Feb. 28.
- Fruits, vegetables, and berries, Fresh. Wicomico Farmers (Ass'n). No. 152,549; Feb. 28.
- Game. A. C. Brude. No. 152,364; Feb. 28.
- Game board, Educational. V. O. Watkins. No. 152,541; Feb. 28.
- Ginger ale. White Rock Mineral Springs Company. No. 152,638; Feb. 28.
- Golf balls. United States Rubber Company. No. 152,530; Feb. 28.
- Grape juice and juice of other fruits, Unfermented. R. Escofet. No. 152,395; Feb. 28.
- Grapes, Fresh. R. Krasnow & Sons. No. 152,448; Feb. 28.
- Grinding machines and attachments. Norton Company. No. 152,471; Feb. 28.
- Guns and connections therefor. Grease and oil. I-C Manufacturing Company. No. 152,430; Feb. 28.
- Hedge trimmers. J. C. Dettra. No. 152,384; Feb. 28.
- Hairbrushes. Sanitary Slicker Company. No. 152,625; Feb. 28.
- Hair nets. N. B. Cohen. No. 152,369; Feb. 28.
- Hair nets. M. Kaufman. No. 152,439; Feb. 28.
- Hair nets. M. Kepesh. No. 152,441; Feb. 28.
- Hair nets. Lorraine Manufacturing & Importing Company. No. 152,451; Feb. 28.
- Hair nets and handkerchiefs. Gilman Bros. No. 152,407; Feb. 28.
- Handbags, Leather. Ryan-Cushing Company. No. 152,490; Feb. 28.
- Hardware. Stanley Works. No. 152,513; Feb. 28.
- Houses, Certain dwelling. W. G. Truettner. No. 152,634; Feb. 28.
- Hoyt, Raymond E., Los Angeles, Calif. Soap in the form of a paste. No. 152,428; Feb. 28.
- Ice bags. Lobl Manufacturing Company. No. 152,610; Feb. 28.
- Ice cream. Breyer Ice Cream Company. No. 152,569; Feb. 28.
- Icings, coatings, frostings. Brown Company. No. 152,361; Feb. 28.
- Index and Bristol boards. Whiting Paper Company. No. 152,643; Feb. 28.
- Inks, Printing. Sigmund Ullman Company. No. 152,631; Feb. 28.
- Insecticides and fungicides. Riches, Piver & Co. No. 152,622; Feb. 28.
- Insecticides, bactericides, etc. Bobwhite Chemical Corporation. No. 152,567; Feb. 28.
- Insulated conducting wires. Phillips Insulated Wire Co. No. 20,339; renewed Nov. 10, 1921.
- Insulated conducting wire. Simplex Electrical Company. No. 18,552; renewed Oct. 28, 1920.
- Iron and steel products, Certain. E. L. Soule. No. 152,510; Feb. 28.
- Jacks and parts thereof, Lifting. Duffy Manufacturing Company. No. 152,581; Feb. 28.
- Jewelry. United Society of Christian Endeavor. No. 21,469; renewed July 19, 1922.
- Joint fillers for street pavements, alleys, &c., Expansion-Standard Asphalt & Refining Co. No. 152,512; Feb. 28.
- Joints, Universal. Acme Universal Joint Mfg. Co. No. 152,557; Feb. 28.
- Kaufman-Straus Co., Louisville, Ky. Tooth, nail, hand, and bath brushes. No. 152,440; Feb. 28.
- Key-ring hooks. W. N. Morrison. No. 152,463; Feb. 28.
- Keys, locks, padlocks, door bolts. Segal Lock & Hardware Co. No. 152,629; Feb. 28.
- Lace piece goods, Cotton-. Societe Francaise De Cotons a Coudre (Societe Anonyme). Nos. 152,508-9; Feb. 28.
- Last thimbles. Boston Pressed Metal Company. No. 152,360; Feb. 28.
- Leather. C. C. Smoot & Sons Co. No. 152,632; Feb. 28.
- Leather belting, belt, lace, picker, hamestring, and leggin leather, picker-strap, hamestrings and cut lacings. Page Belting Company. No. 20,833; renewed Feb. 10, 1922.
- Linen, cotton, silk, and mixed piece goods. N. Erlanger, Blumgart & Co. No. 152,583; Feb. 28.
- Lubricants. Whitmore Manufacturing Company. No. 152,644; Feb. 28.
- Lubricators. Greene, Tweed & Co. No. 152,592; Feb. 28.
- Machinery and tools, Certain. United Iron Works, Inc. No. 152,527; Feb. 28.
- Machinery, Certain. Metropolitan-Vickers Electrical Co. No. 152,459; Feb. 28.
- Madras, Cotton. Berkeley Company. No. 152,349; Feb. 28.
- Magnetos to internal-combustion engines and magneto drive couplings therefor, Attachments for fitting. Magneto Attachment Co. No. 152,454; Feb. 28.
- Malt extract. H. Kasser. No. 152,456; Feb. 28.
- Malt extract, Liquid. Chas. Volker & Son. No. 152,536; Feb. 28.
- Maple sirup, sugar, and cream, and maple-sugar candy. Equinox Mountain Spring Inc. No. 152,393; Feb. 28.
- Mayonnaise, salad, and Thousand Island dressings. H. S. Brown. No. 152,362; Feb. 28.
- Medical and surgical appliances, Certain. Miller Rubber Company. No. 152,615; Feb. 28.
- Metal (commercial) rod. Mueller Metals Company. Nos. 152,464-5; Feb. 28.
- Metal plates and sheets, Ferrous-. Follansbee Brothers Company. Nos. 152,585-6; Feb. 28.
- Metal-working tools, Certain. New Britain Tool and Manufacturing Company. No. 152,468; Feb. 28.
- Metal-working tools, taps, dies, reamers, etc. Societe des Usines Curial. No. 152,507; Feb. 28.
- Metals and alloys, Nonferrous. Great Western Smelting & Refining Company. No. 152,412; Feb. 28.
- Milk, cheese, eggs. Behrens Dairy Products Company. No. 152,346; Feb. 28.
- Milk, Evaporated and condensed. Sheffield Condensed Milk Co. No. 152,500; Feb. 28.
- Milk malt sirup, etc., Malted. Adolph Coors B. & M. No. 152,558; Feb. 28.
- Mops, brushes, brooms, daubers, dusters. Fuller Brush Company. No. 152,403; Feb. 28.
- Mousetraps. Katchall Mouse Trap Manufacturing Co. No. 152,438; Feb. 28.
- Nail-pullers. L. F. Grammes & Sons. No. 152,410; Feb. 28.
- Needles, Sewing and embroidering machine. L. Lam-mertz. No. 152,449; Feb. 28.
- Oil, Lubricating. Acme Grease & Oil Manufacturing Co. No. 20,226; renewed Oct. 13, 1921.
- Oil, Motor fuel. Benzoline Motor Fuel Co. No. 152,564; Feb. 28.
- Oil rings, Metallic. Du Bois Machine Company. No. 152,580; Feb. 28.
- Oils and petroleum asphalts and pitches, Road and roofing. Atlantic Refining Company. No. 152,344; Feb. 28.
- Oils, Edible vegetable. Sam Bruck, Inc. No. 152,363; Feb. 28.
- Ophthalmometers. F. A. Hardy & Company. No. 152,595; Feb. 28.
- Optical disks and accessories therefor. Central Scientific Company. No. 152,572; Feb. 28.
- Oranges and lemons. American Fruit Growers of Palestine. No. 152,339; Feb. 28.
- Outing outfits. H. J. Grey. No. 152,414; Feb. 28.
- Overalls and rompers, Children's. Sackman Brothers Company. No. 152,491; Feb. 28.
- Paints. Bradley & Vrooman. No. 152,568; Feb. 28.
- Paper, Adding-machine. Central Paper Company. No. 152,366; Feb. 28.
- Paper and envelopes. Whiting Paper Company. Nos. 152,641-2; Feb. 28.
- Paper, Enamel. Seaman Patrick Paper Company. No. 152,498; Feb. 28.
- Paper-handling machines, Certain. Dexter Folder Company. No. 152,386; Feb. 28.
- Paper, Toilet and wrapping. Industrial Paper Company. No. 152,431; Feb. 28.
- Papers and envelopes. American Writing Paper Company. No. 152,562; Feb. 28.
- Papers and mailing envelops, Writing and printing. American Writing Paper Company. No. 152,341-2; Feb. 28.
- Papers Ledger. Ailing and Cory Company. No. 152,335; Feb. 28.
- Papers, Printing and writing. West Virginia Pulp & Paper Co. No. 152,636; Feb. 28.
- Papers, Waxed and transparent. Package Paper & Supply Corporation. No. 152,477; Feb. 28.
- Papers, Writing. L. L. Brown Paper Company. No. 152,570; Feb. 28.
- Pastry and certain canned goods. F. P. Daly. No. 152,379; Feb. 28.
- Pavements and paving materials. Warren Brothers Company. Nos. 152,539-40; Feb. 28.
- Pencils, Lead. Realite Pencil Company. No. 152,486; Feb. 28.
- Percolators, coffee and tea urns, etc., Coffee. J. L. Lemoine. No. 152,232; Feb. 28.
- Phonographs and talking machines. W. O. Erbes. No. 152,582; Feb. 28.
- Picture films, cameras, and picture-projecting machines, Motion-. De Forest Radio Telephone and Telegraph Company. Nos. 152,381-2; Feb. 28.
- Picture films, Motion-. S. M. Herzog. No. 152,425; Feb. 28.
- Picture screens, Moving-. B. H. Woeldike. No. 152,646; Feb. 28.
- Pictures and curtain poles and taking down same, Reaching device for hanging. M. M. Passey. No. 152,478; Feb. 28.
- Pictures, Projecting screens for moving. Mitroe Export & Import Co. No. 152,462; Feb. 28.
- Pile fabrics in the piece. Sidney Blumenthal & Co. Nos. 152,354-6; Feb. 28.
- Poison, Rodent. H. T. Garner. No. 152,404; Feb. 28.
- Polish and cleaner for automobiles, furniture, and wood. Vinard Manufacturing Company. No. 152,535; Feb. 28.
- Polish, Automobile and furniture. G. H. Gilbert. No. 152,600; Feb. 28.
- Pongee silk, linen and cotton ducks, silk vestings, etc. D. V. H. Heidgerd. No. 152,424; Feb. 28.

- Potato chips. Walton & Hoffman. No. 152,537; Feb. 28.
 Potatoes for table and seed purposes, Fresh. D. F. Getchell. No. 152,406; Feb. 28.
 Pottery, Ornamental and ornamented. Charles Mullis Manufacturing Company. No. 152,466; Feb. 28.
 Powder puffs. Marcus & Smith. No. 152,456; Feb. 28.
 Powders, corn cure, cough drops, tooth cordial, pills and inhalers, Headache. A. L. Beck. No. 20,450; renewed Dec. 8, 1921.
 Pumps and pumping plants. Superior Manufacturing Company. No. 152,518; Feb. 28.
 Pumps, Gasoline measuring and dispensing. Clear Vision Pump Company. No. 152,573; Feb. 28.
 Razor stropping and honing machines, etc. Electrostop Manufacturing Company. No. 152,391; Feb. 28.
 Record blank, Household and office inventory. M. Irwin. No. 152,434; Feb. 28.
 Receptacles classed as tanks. Fabricated Steel Products Corporation. No. 152,397; Feb. 28.
 Refrigerating units and household refrigerators. Artificial. Utility Compressor Company. No. 152,531; Feb. 28.
 Remedy for hemorrhoids. J. Varga. No. 152,533; Feb. 28.
 Rivets, Soft metal. E. E. Peck Co. No. 152,620; Feb. 28.
 Roof coating. Fireproof Products Co. No. 152,399; Feb. 28.
 Roofing, Prepared. National Asbestos Manufacturing Co. No. 152,467; Feb. 28.
 Rubber baby pants and waders, etc. All. I. B. Kleinert Rubber Company. Nos. 152,445-6; Feb. 28.
 Rubber mats. B. F. Goodrich Company. No. 152,409; Feb. 28.
 Rugs. W. M. Ferguson. No. 152,398; Feb. 28.
 Sacks, Cotton-picking. Clifton Manufacturing Company. Nos. 152,574-7; Feb. 28.
 Safes. Metal Office Furniture Co. No. 152,614; Feb. 28.
 Sarsaparilla. White Rock Mineral Springs Company. No. 152,640; Feb. 28.
 Scales, Weighing. Landers, Frary & Clark. No. 152,607; Feb. 28.
 Screens and bolts. Wheeling Machine Products Company. No. 152,546; Feb. 28.
 Screen separating machines, Vibrated. W. S. Tyler Company. No. 152,523; Feb. 28.
 Seeds. Van Antwerp's Drug Corporation. No. 152,635; Feb. 28.
 Sewing machines. Guhl & Harbeck. No. 152,418; Feb. 28.
 Sheeting in the piece, Cotton. Berkeley Company. No. 152,347; Feb. 28.
 Sheetings and drills. Orr Cotton Mills. No. 152,476; Feb. 28.
 Shingles, roofing paper, etc. Noll-Welty Lumber Company. No. 152,570; Feb. 28.
 Shingles, Wood. Grays Harbor Shingle Company. No. 152,411; Feb. 28.
 Signals and trip mechanisms for automatically arresting operation of a machine. Time-controlled. Measure-graph Company. No. 152,458; Feb. 28.
 Signs. J. L. Dawes. No. 152,579; Feb. 28.
 Signs, Traveling-belt. Odle Brothers. No. 152,474; Feb. 28.
 Silk and cotton warp mixture piece goods. Nathan and Cohen Co. No. 152,616; Feb. 28.
 Silk and silk mixture fabrics. Wechsler Barber Silk Co. No. 152,543; Feb. 28.
 Silk piece goods. Empire Silk Company. No. 152,392; Feb. 28.
 Silk piece goods. H. R. Mallinson. No. 152,455; Feb. 28.
 Silks, ribbons, velvets, and cotton goods in the piece. Wyle-Heinsfurter Co. No. 152,556; Feb. 28.
 Silks, wool, and cotton piece goods. Bianchini, Ferrier. No. 152,350; Feb. 28.
 Silos. Saffert-Gugisberg Cement Construction Co. No. 152,624; Feb. 28.
 Sirups, Chocolate and other maltless. Devoine Candy Company. No. 152,385; Feb. 28.
 Sirup, Malt. Besto Syrup Co. No. 152,565; Feb. 28.
 Sirup, Malt. W. L. Tribble. No. 152,520; Feb. 28.
 Sizing, Wall. Lowe Brothers Company. No. 152,612; Feb. 28.
 Soap. J. S. Kirk & Company. No. 152,444; Feb. 28.
 Soda straws. New Jersey Paper Tube Company. No. 152,618; Feb. 28.
 Stew, Irish. E. P. Daggett Canning Co. No. 152,378; Feb. 28.
 Stogies. B. M. Meyer. No. 152,460; Feb. 28.
 Stoves and ranges. Lackawanna Foundry Company. No. 152,606; Feb. 28.
 Stoves, Camp. American Gas Machine Company. No. 152,560; Feb. 28.
 Sugar, table and cooking sirups, and molasses. Salsburg Refining Company. No. 152,492; Feb. 28.
 Sirup for the manufacture of a beverage. J. Macaulay. No. 152,453; Feb. 28.
 Tackle blocks. J. H. Flynn, Jr. No. 152,401; Feb. 28.
 Tank balls. Wolverine Brass Works. No. 152,647; Feb. 28.
 Tanks, Metallic. Amco Sales Corporation. No. 152,337; Feb. 28.
 Telephone register, Blank. Hauser & Weil. No. 152,598; Feb. 28.
 Tents and awnings. Stoll Manufacturing Co. No. 152,633; Feb. 28.
 Textile fabrics in the piece, Woven. Bernhard Umann Co. Nos. 152,525-6; Feb. 28.
 Thermometers, Clinical. R. Franklin. No. 152,402; Feb. 28.
 Thread, Cotton. Clark Thread Company. Nos. 20,529-30; renewed Dec. 29, 1921.
 Tire valves. A. Charpillot. No. 152,368; Feb. 28.
 Tire vulcanizers. C. A. Shaler Company. No. 152,630; Feb. 28.
 Tobacco. Consolidated Companies Inc. No. 152,375; Feb. 28.
 Toothbrushes, cloth, hair, etc., brushes. San Antonio Drug Co. No. 152,493; Feb. 28.
 Toy chemical sets. American Drug and Chemical Co. No. 152,338; Feb. 28.
 Toy graphophones and telephones. Gong Bell Manufacturing Co. No. 152,408; Feb. 28.
 Toys, Wheeled riding. Richards Manufacturing Company, The. No. 152,487; Feb. 28.
 Trunks. The Schmit Trunk Company. No. 152,626; Feb. 28.
 Tulle, muslins, crêpes, etc. "Dynamo" Tulle Importing Co. No. 152,390; Feb. 28.
 Umbrellas, umbrella ribs, stretchers, and frames of metal. Samuel Fox & Company. No. 20,632; renewed Jan. 26, 1922.
 Valves, Safety. Hayes Manufacturing Co. No. 152,599; Feb. 28.
 Valves, siphons, cocks, etc., Certain. C. Schneider. No. 152,496; Feb. 28.
 Vehicle accessories, Motor-. Williams Bros. Aircraft Corporation. No. 152,645; Feb. 28.
 Vehicle parts and accessories. R. M. Lovejoy. No. 152,611; Feb. 28.
 Wagons, Children's express and coaster. Marshall-Wells Company. No. 152,457; Feb. 28.
 Washing machines. Laundry. Almetal Manufacturing Company. No. 152,559; Feb. 28.
 Wash suits and girls' dresses, Boys'. Kiddie Garment Co. No. 152,442; Feb. 28.
 Water and beverages made of water, Mineral. White Rock Mineral Springs Co. No. 152,639; Feb. 28.
 Water, Natural spring. White Rock Mineral Springs Company. No. 152,637; Feb. 28.
 Waterproof cement for building. The Staveley Coal & Iron Co. Limited. No. 152,514; Feb. 28.
 Watch springs. L. H. Keller & Co. No. 152,603; Feb. 28.
 Window attachments for carrying and adjusting shades. Ventalite Shade Regulator Company. No. 152,534; Feb. 28.
 Wines, Champagne. Werle et Compagnie. Nos. 152,544-5; Feb. 28.
 Wire cloth, netting, and fabric, etc. Wickwire Spencer Steel Corporation. No. 152,548; Feb. 28.
 Woolen piece goods. S. Stein & Co. No. 152,515; Feb. 28.
 Woollens and worsteds in the piece. Blake & Stearns. No. 152,352; Feb. 28.
 Wrenches. Shuster Engineering Corporation. No. 152,501; Feb. 28.
 Wrenches, tool holders, lathe dogs, clamps. J. H. Williams & Co. No. 152,551; Feb. 28.

ALPHABETICAL LIST OF LABELS.

"Autotrim." (For Automobiles and Furniture Upholstery.) Woodward & Cohey. No. 24,163; Feb. 28.
 "Baby Pants." (For Baby Pants.) Climax Specialty Co. No. 24,135; Feb. 28.
 "Bassick Casters." (For Packages Containing Casters.) The Bassick Company. No. 24,130; Feb. 28.
 "Beech-Nut." (For Cigars.) Peter McGuigan & Sons. No. 24,151; Feb. 28.
 "Big Planted Stock Oysters." (For Packages Containing Canned Oysters.) J. W. Chew. No. 24,134; Feb. 28.
 "Bouillonized Peanuts." (For Containers of Bouillonized Peanuts.) Bouillonized Peanut Company. No. 24,131; Feb. 28.
 "Breetex." (For Athletic Underwear.) Hansley Mills. No. 24,141; Feb. 28.
 "Bull-Meat-Brand Flour." (For Receptacles Containing Bull-Meat-Brand Flour, a Product for Use in All Kinds of Sausage.) B. Heller & Co. No. 24,143; Feb. 28.
 "Camel." (For Beverages.) Camel Beverage Co. No. 24,133; Feb. 28.
 "Co Kis—King of Orange Land." (For Orange Peel.) California Orange Kis Corporation. No. 24,132; Feb. 28.
 "Cosmopolitan Hair Net." (For Hair Nets.) New York Merchandise Company. No. 24,155; Feb. 28.
 "Dependable Brand." (For Cured Meats.) Home Packing & Ice Co. No. 24,146; Feb. 28.
 "Dorothy Hair Net." (For Hair Nets.) New York Merchandise Company. No. 24,156; Feb. 28.
 "Don Nieto." (For Cigars.) Nathan D. Kaplan. No. 24,148; Feb. 28.
 "Esquimo Pop." (For Bottles Containing a Nonalcoholic Beverage.) Max Leiber & Company. No. 24,149; Feb. 28.
 "Eudora." (For a Container for Human-Hair Nets.) Fuller-Morrison Company. No. 24,140; Feb. 28.
 "Fresh Home Made Candy." (For Candies.) Collins Candy Co. No. 24,136; Feb. 28.
 "Hollers Emulsion." (For Glass Jars Holding Heller's Flavoring Emulsion, a Concentrated Emulsion for Flavoring Purposes.) B. Heller & Co. No. 24,144; Feb. 28.

"Ice Cream Makers' Friend." (For Bottles Holding Ice Cream Makers' Friend, a Flavoring Compound.) B. Heller & Co. No. 24,142; Feb. 28.
 "Ice Cream Makers' Friend Dry Form." (A Receptacle Containing Ice Cream Makers' Friend in Dry Form, a Flavoring Compound in Dry Form.) B. Heller & Co. No. 24,145; Feb. 28.
 "Imerso Electric Water Heater." (For Immersion Electric Water Heaters.) Electric Heater Co. No. 24,138; Feb. 28.
 "Jiffy-Andy." (For Toe-Protecting Devices for Shoes.) Jiffy-Andy Toe Protector Company. No. 24,147; Feb. 28.
 "Mild-O." (For Stogies and Cigars.) Marietta Cigar Company. No. 24,152; Feb. 28.
 "My-T-Klean Metal Cleaner." (For Metal Polish.) Arthur M. Mann. No. 24,150; Feb. 28.
 "National Ivorywhite." (For Tooth Paste.) National Drug Stores Corp. No. 24,153; Feb. 28.
 "Neptune." (For Hosiery.) Freedman & Co. No. 24,139; Feb. 28.
 "Perfecta Human Hair Nets." (For Hair Nets.) New York Merchandise Company. No. 24,154; Feb. 28.
 "Ralph Dughee." (For Cigars.) Jose Aguilo. No. 24,129; Feb. 28.
 "Sonnie Boy." (For Grapes.) B. Cribari & Sons. No. 24,137; Feb. 28.
 "Syrup of Prunes." (For a Tonic Laxative Proprietary Medicine.) Oregon Syrup of Prunes Co. No. 24,158; Feb. 28.
 "U R C A Roofing Material Formerly A-R-A and National Association of Roofing Contractors." (For Roofing Material.) United Roofing Contractors Association. No. 24,160; Feb. 28.
 "Victory Coal Save." (For a Composition for Treating Fuel Coal.) William A. Robeson. No. 24,159; Feb. 28.
 "Vieta." (For Hair Nets.) North American Import Co. No. 24,157; Feb. 28.
 "Vitafood." (For Tonic Foods.) Vitamin Food Co. Inc. No. 24,161; Feb. 28.
 "Ward's Homespun Bread." (For Bread.) Ward Baking Company. No. 24,162; Feb. 28.

ALPHABETICAL LIST OF PRINTS.

"A Beauty Secret 3,000 Years Old." (For Advertising Purposes for Palmolive Soap.) The Palmolive Company. No. 6,008; Feb. 28.
 "Beech-Nut Macaroni and Spaghetti." (For Advertising Purposes for Beech-Nut Brand Macaroni.) Beech-Nut Packing Company. No. 5,993; Feb. 28.
 "Beech-Nut Pork and Beans—as Fine a Product as Beech-Nut Bacon." (For Advertising Purposes for Beech-Nut Brand Pork and Beans.) Beech-Nut Packing Company. No. 5,994; Feb. 28.
 "Beech-Nut Sliced Bacon." (For Advertising Purposes for Beech-Nut Brand Bacon.) Beech-Nut Packing Company. No. 5,995; Feb. 28.
 "Better White Duck Clothing." (For Advertising Purposes for White Duck Clothing.) James E. Richards Company. No. 6,012; Feb. 28.
 "Chero-Cola There's None So Good." (For Advertising Purposes for a Soft Drink.) Chero-Cola Company. No. 5,999; Feb. 28.
 "Choc-O-Mint Do-Nut." (For Advertising Purposes for a Candy Specialty.) Milwaukee Paper Box Company. No. 6,005; Feb. 28.
 "Climax Baby." (For Advertising Purposes for Children's and Ladies' Sanitary Goods.) Climax Specialty Company. No. 6,000; Feb. 28.
 "C. W. G. (Corrugated Wire Glass)." (For Advertising Purposes for Corrugated Wire Glass.) Pennsylvania Wire Glass Company. No. 6,009; Feb. 28.
 "Eversharp Ribbon Guard." (For Advertising Purposes for Ribbon Guards.) The Wahl Company. No. 6,013; Feb. 28.
 "Gaudin's Relief Pencil." (For Advertising Purposes for Relief Pencils, Used in Forming Raised Designs. Letters, etc.) Frank R. Gaudin. No. 6,002; Feb. 28.

"G. M. C. Metallic Grease." (For Advertising Purposes for Lubricating Grease.) Gearo Mfg. Co. No. 6,003; Feb. 28.
 "His Bodyguard." (For Advertising Purposes for Wheat Breakfast Food.) Cream of Wheat Co. No. 6,001; Feb. 28.
 "Mastin says." (For Advertising Purposes for Tablets for Use in Cases of Anæmia, Nervous Deficiency, Malnutrition, Disordered Metabolism, Physical Breakdown, Emaciation, Pellagra, Skin Trouble, and Lack of Energy and Endurance.) Mastin & Co. No. 6,004; Feb. 28.
 "Nasco." (For Advertising Purposes for After Dinner Mints.) Milwaukee Paper Box Company. No. 6,006; Feb. 28.
 "Old Fashion Chocolate Creams." (For Advertising Purposes for Chocolate Creams.) Milwaukee Paper Box Company. No. 6,007; Feb. 28.
 "Ribbons." (For Advertising Purposes for Ribbons.) H. Adler & Bro. No. 5,992; Feb. 28.
 "See the Shadow in the Exposed Process." (For Advertising Purposes for the 100-Candle-Power Cameron's Right Angle Dentalamp.) Cameron's Surgical Specialty Co. No. 5,997; Feb. 28.
 "Service." (For Advertising Purposes for Automobile Accessories.) Russell H. Carley. No. 5,998; Feb. 28.
 "That Real Old-Fashioned Flavor." (For Advertising Purposes for Beech-Nut Brand Pork and Beans.) Beech-Nut Packing Company. No. 5,996; Feb. 28.
 "The Phillips Cuff Shirt." (For Advertising Purposes for Shirts Provided with a Special Kind of Cuff.) Phillips-Jones Corporation. No. 6,010; Feb. 28.
 "Van Heusen the World's Smartest Collar." (For Advertising Purposes for Collars.) Phillips-Jones Corporation. No. 6,011; Feb. 28.

ALPHABETICAL LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Acetylcellulose and preparations useful for photographic and pharmaceutical purposes. Grasselli Chemical Company. No. 156,368; Feb. 28.
- Alcohol used for bathing and massage, as a household antiseptic on cuts, bruises, etc. American Druggists Syndicate. No. 155,041; Feb. 28.
- Anesthetic. Local. Society of Chemical Industry in Basle. No. 154,936; Feb. 28.
- Antirheumatic, analgesic, and antipyretic. Bayer Company. No. 155,478; Feb. 28.
- Aperient medicinal preparation. A. D. Holland & Co. No. 156,384; Feb. 28.
- Automobile and engine parts and accessories. Burgess-Norton Mfg. Co. No. 152,829; Feb. 28.
- Automobiles and their structural parts. Gray Motor Corporation. No. 156,490; Feb. 28.
- Automobiles, motor-driven trucks, Accessory and repair devices and parts for. Overseas Motor Service Corporation. No. 144,038; Feb. 28.
- Axes, machetes, hatchets, knives, saws, hammers, pliers, etc. Gomez & Sloan, Inc. No. 153,398; Feb. 28.
- Battery solution, Charging. G. B. Propp. No. 155,928; Feb. 28.
- Beverage and sirup for making the same. Nonalcoholic, maltless. Z. L. Glenn. No. 156,578; Feb. 28.
- Beverage, Nonalcoholic, maltless. Ozone Spring Water & Beverage Company. No. 139,548; Feb. 28.
- Beverages and sirups for same. Nonalcoholic, maltless. M. Carbone. No. 151,825; Feb. 28.
- Beverages, Nonalcoholic, noncereal, maltless. C. W. Meisezahl. No. 146,127; Feb. 28.
- Bicycles and motor cycles and parts thereof, etc. Ste. Ane des Automobiles & Cycles Peugeot. No. 141,547; Feb. 28.
- Bluing. Condensed Bluing Company. No. 143,161; Feb. 28.
- Boats. McIntyre Bros. No. 158,485; Feb. 28.
- Books and circulars, Printed. Allied Labor Press Association. No. 150,342; Feb. 28.
- Bottle-capping machines. Sure Seal Bottle Capper Co. No. 152,809; Feb. 28.
- Bread. E. M. Kinslow. No. 152,682; Feb. 28.
- "Bromics," la grippe tablets, laxative aspirin, digestives, etc. Prontic Druggists, Inc. No. 150,153; Feb. 28.
- Brushes, dustless mops and dusters, Sanitary wire-gripped. J. H. Norridge. No. 157,896; Feb. 28.
- Candies. Moxie Company. No. 154,565; Feb. 28.
- Candy. Euclid Candy Company. Nos. 154,354-6; Feb. 28.
- Candy. New England Confectionery Company. No. 154,807; Feb. 28.
- Candy. New England Confectionery Company. No. 154,816; Feb. 28.
- Candy. New England Confectionery Company. No. 154,822; Feb. 28.
- Candy. New England Confectionery Company. Nos. 154,828-9; Feb. 28.
- Candy. New England Confectionery Company. No. 154,836; Feb. 28.
- Cards. Playing. United States Playing Card Company. No. 151,122; Feb. 28.
- Cases and bags of leather, fiber, and other material for fishing tackle. Knickerbocker Case Company. No. 153,355; Feb. 28.
- Cases and bags of leather, fiber, and other material for fishing tackle. Knickerbocker Case Company. No. 153,358; Feb. 28.
- Cement tiles for walls and floors. Angelo Repetto Company. No. 148,014; Feb. 28.
- Chemical for preventing decomposition. Grasselli Chemical Company. No. 156,379; Feb. 28.
- Chemical preparation used as a disinfectant, germicide, deodorant, etc. New Southern Drug Company. No. 155,068; Feb. 28.
- Chests. Cedar. Standard Red Cedar Chest Co. No. 143,719; Feb. 28.
- Cigarettes. General Tobacco Company. No. 156,965; Feb. 28.
- Cigarette snuffers, ash trays, match stands, humidors, cigarette and cigar cases. S'Nuff Smoke Sales Co. No. 154,385; Feb. 28.
- Cigars. John C. Guy Company Incorporated. No. 144,024; Feb. 28.
- Cigars. Peoples Drug Stores, Inc. No. 157,689; Feb. 28.
- Cigars, cheroots, cigarettes, smoking and chewing tobacco. Moss & Lowenhaupt Cigar Co. No. 157,841; Feb. 28.
- Cleaning and polishing solution for floor, furniture, etc. J. W. Geraty. No. 156,157; Feb. 28.
- Cleaning powder for water-closet bowls. Hygienic Products Company. No. 155,436; Feb. 28.
- Cocks, Metal. Verband Schweiz Armaturenfabriken, Bern. No. 152,969; Feb. 28.
- Coffee and tea. McInnes-Walker Company. No. 154,413; Feb. 28.
- Composition for treatment of roup, colds, diphtheria, etc., among fowls. H. M. Spahr. No. 155,979; Feb. 28.
- Compound in liquid form applied to automobile windshields, windows, or the like. Spring Mfg. Co. No. 157,284; Feb. 28.
- Compressors, vapor condensers, and liquid evaporators. Air and gas. Griscom-Russell Company. No. 153,208; Feb. 28.
- Cotton-cloth piece goods. Marshall Field & Company. No. 140,278; Feb. 28.
- Cotton piece goods. John P. King Mfg. Co. No. 137,838; Feb. 28.
- Cream, cold cream, and face powder. Vanishing. Deeano Products Company. No. 140,558; Feb. 28.
- Depilatory. Dearborn Supply Company. No. 155,996; Feb. 28.
- Dusters, Unimpregnated. Keystone Sanitary Supply Company. No. 156,906; Feb. 28.
- Dyes and dyestuffs. Grasselli Chemical Company. No. 156,367; Feb. 28.
- Dyes and dyestuffs. Grasselli Chemical Company. Nos. 156,369-71; Feb. 28.
- Dyes and dyestuffs. Grasselli Chemical Company. Nos. 156,374-6; Feb. 28.
- Embroideries or embroidered articles. Rechsteiner Embroidery Company. No. 147,794; Feb. 28.
- Enamel, Liquid nail. G. N. Eriksen. No. 154,180; Feb. 28.
- Engine and machine bearings and bushings. Bound Brook Oil-Less Bearing Company. No. 156,143; Feb. 28.
- Eyewater. W. A. Morgan. No. 155,702; Feb. 28.
- Eyelet punches. Wm. Schollhorn Co. No. 155,125; Feb. 28.
- Feed mills, Grinding screens for. Williams Patent Crusher & Pulverizer Co. No. 152,970; Feb. 28.
- Flour. Wheat. Mauser Mill Company. No. 152,341; Feb. 28.
- Food supplement for children and invalids, Artificially-compounded. H. A. Metz. No. 147,931; Feb. 28.
- Fruit-jar rings. R. E. Tongue & Bros. Company. No. 145,417; Feb. 28.
- Fruit-jar rings. Walker-Matteson Company. No. 126,602; Feb. 28.
- Game. Blowing. C. McKay. No. 155,441; Feb. 28.
- Gas mantles. Lindsay Light Company. No. 144,729; Feb. 28.
- Gas mantles. Lindsay Light Company. No. 155,267; Feb. 28.
- Gears. W. H. Difendorf. No. 151,536; Feb. 28.
- Hacksaw blades. Mayhew Steel Products Inc. No. 155,624; Feb. 28.
- Hair nets. China American Tobacco & Trading Co. No. 154,263; Feb. 28.
- Hair nets. J. Fleischer. No. 153,656; Feb. 28.
- Hair nets. A. E. Oppenheimer & Brother. No. 141,430; Feb. 28.
- Hair nets and veils. Sitroux Importing Company. No. 155,785; Feb. 28.
- Hair tonic, shampoo, and an external liniment for rheumatism, stiff joints, etc. G. Spear. No. 154,669; Feb. 28.
- Hair-waving apparatus. Hot-air. Gem Air Permanent Wave Co. No. 131,571; Feb. 28.
- Iron. Sulphate of. American Steel & Wire Company of New Jersey. No. 156,141; Feb. 28.
- Laths. Metal. Midwest Steel & Supply Company. No. 155,626; Feb. 28.
- Laxative preparations. Scholtz-Mutual Drug Company. No. 155,712; Feb. 28.
- Lens. W. E. Moulton. No. 157,437; Feb. 28.
- Liniment. C. Cramer. No. 147,764; Feb. 28.
- Macaroni. Minnesota Macaroni Co. No. 154,412; Feb. 28.
- Magnesium alloys and castings and forgings produced therefrom. Magna Metal Corporation. No. 151,682; Feb. 28.
- Malt extract. J. J. Haupt. No. 136,841; Feb. 28.
- Medicine composed of various liquids and vegetable products. S. Pembroke. No. 141,431; Feb. 28.
- Medicine for goiter. A. Plotz. No. 155,117; Feb. 28.
- Medicinal preparation for glandular insufficiency. J. A. Pluma. No. 154,991; Feb. 28.
- Medicinal preparation for treating piles. A. E. Burnett. No. 155,007; Feb. 28.
- Milk, cocoa, sugar, and vanilla. Concentrated preparation of. Galloway-West Company. No. 154,363; Feb. 28.
- Milk put up in sealed containers, Sterilized. National Dairy Co. No. 152,575; Feb. 28.
- Mineral waters and other beverages and flavoring sirups for beverages. New York Mineral Water Company. No. 143,056; Feb. 28.

- Mitten, Bath. C. Neugebauer. No. 148,343; Feb. 28.
 Mops, dusters, and brushes, Floor. Elwell Brush Company. No. 152,790; Feb. 28.
 Motorcycles, side cars, and trailers. Sinclair Motor Corporation. No. 157,854; Feb. 28.
 Mouth wash. Calenduline Company of California. No. 155,396; Feb. 28.
 Muslin piece goods. Marshall Field & Company. No. 140,308; Feb. 28.
 Oxytocic. Society of Chemical Industry in Basle. No. 154,937; Feb. 28.
 Packing composed of canvas and rubber. Composition. Williamsport Development Company. No. 153,908; Feb. 28.
 Pails, coal hods, dinner pails, etc., Metal (galvanizer iron or tin). Atlantic Stamping Company. No. 147,272; Feb. 28.
 Paint brushes. M. I. Wilcox Company. No. 157,703; Feb. 28.
 Paint of paste consistency. Nondrying. C. W. Paine. No. 155,316; Feb. 28.
 Paper, News-print. Brompton Pulp & Paper Co. No. 142,870; Feb. 28.
 Paper, Toilet. White-Washburne Company. No. 158,501; Feb. 28.
 Paper, Toilet. White-Washburne Company. Nos. 158,504-6; Feb. 28.
 Paper, Toilet. White-Washburne Company. No. 158,508; Feb. 28.
 Paving, Brick for the wearing surface of road. J. R. Root. No. 155,236; Feb. 28.
 Pencils, Lead. Walsh Duplicator Corporation. No. 152,875; Feb. 28.
 Pencils, Magazine. J. Swanberg. No. 150,041; Feb. 28.
 Pencils, Magazine. Waldref Manufacturing Co. No. 156,205; Feb. 28.
 Pens, Fountain. Salz Brothers. No. 154,708; Feb. 28.
 Perfumes. M. E. Tilson. No. 152,191; Feb. 28.
 Perfumes, Liquid and powdered. Colgate & Co. Nos. 156,080-1; Feb. 28.
 Photographic developers. Grasselli Chemical Company. No. 156,377; Feb. 28.
 Pillowcases, sheets and bolster coverings. Converse & Company. No. 155,301; Feb. 28.
 Pins, Safety. Consolidated Safety Pin Company. No. 154,399; Feb. 28.
 Piston rings. Perfection Piston Ring Company. No. 144,635; Feb. 28.
 Plate powder. Mappin & Webb Limited. No. 155,568; Feb. 28.
 Poison, Vermin. S. Pfeiffer Mfg. Co. No. 145,712; Feb. 28.
 Poisoned raisins used as a rodent poison. Machine. Dupuis Chemical Co. No. 135,918; Feb. 28.
 Polish for auto bodies and furniture. C. E. Bass. No. 128,422; Feb. 28.
 Polish, Metal. American Metal Polish Co. No. 152,495; Feb. 28.
 Pomade for treatment of scalp. L. Taylor. No. 155,197; Feb. 28.
 Pottery ware. Rookwood Pottery Company. No. 147,735; Feb. 28.
 Powder puffs. Valmont Mfg. Co. No. 157,862; Feb. 28.
 Powder, Healing. A. Augis. No. 154,548; Feb. 28.
 Powder, Medicinal. M. C. Kopf. No. 154,800; Feb. 28.
 Preparation for all skin diseases, Liquid. E. Snipes. No. 153,897; Feb. 28.
 Preparation for rheumatism, lumbago, neuritis, etc. C. H. Moore. No. 154,925; Feb. 28.
 Preparation for treatment of rheumatism, stomach trouble, etc. H. A. Siegrist. No. 156,109; Feb. 28.
 Preparation used externally, especially against white flowers, flowing of humors, etc. J. Gesteria. No. 134,066; Feb. 28.
 Pulp, wood, chemical, sulphite, etc. Wayagamack Pulp & Paper Co. No. 129,032; Feb. 28.
 Pumping equipment and water systems. Fort Wayne Engineering & Manufacturing Co. No. 143,387; Feb. 28.
 Pumps, parts thereof and accessories. Oil well. Axelson Machine Company. No. 143,802; Feb. 28.
 Putty, paints, and varnishes. Société Anonyme des Anciens Etablissements Muylle-Facon. No. 152,486; Feb. 28.
 Rails, bars, plates, etc., Rolled-metal. Carnegie Steel Company. No. 154,723; Feb. 28.
 Railway rails, ties, fish plates, switch points, etc. Koppel Industrial Car & Equipment Company. No. 132,393; Feb. 28.
 Ranges, Steel coal, wood, and combination of coal and gas and wood and gas. Eureka Steel Range Co. Nos. 155,876-7; Feb. 28.
 Remedy, Cough. L. Frolong. No. 144,135; Feb. 28.
 Remedy for malaria. Waterman Manufacturing Company. No. 155,245; Feb. 28.
 Rice. Associated Rice Millers of America, Inc. No. 152,157; Feb. 28.
 Ring travelers. National Ring Traveler Co. No. 152,629; Feb. 28.
 Ring travelers. National Ring Traveler Co. No. 154,658; Feb. 28.
 Salve. John Novak Company. No. 154,701; Feb. 28.
 Salve or ointment. Capudine Chemical Company. No. 154,488; Feb. 28.
 Saws, woodsaw blades, axes, hatchets, hammers, etc. Blish. Mize & Silliman Hardware Co. No. 148,365; Feb. 28.
 Scouring cloths. R. B. Kingman. No. 155,411; Feb. 28.
 Screen wire, door steps, transom lifts, knobs, drawers, pulls, etc. Wm. Cameron & Co. No. 151,354; Feb. 28.
 Seal presses. M. H. Jackson. No. 140,597; Feb. 28.
 Skin tonics. Merritt's Sons. No. 156,166; Feb. 28.
 Soap. Boston Blacking Company. No. 147,397; Feb. 28.
 Soap. Cincinnati Soap Company. No. 156,259; Feb. 28.
 Soap. Sherwin-Williams Company. No. 155,421; Feb. 28.
 Soap, Shampoo. C. C. Hay. No. 155,750; Feb. 28.
 Soda ash, bicarbonate and caustic soda, bleaching powder and liquid chlorine, etc. Nathieson Alkali Works. No. 152,925; Feb. 28.
 Soldering compound. R. M. Hollingshead Co. No. 154,744; Feb. 28.
 Stain varnish, varnishes, mixed paints and paint enamels. R. A. Becker Varnish Company. No. 151,574; Feb. 28.
 Suits, Tailored. L. R. Dolby Co. No. 149,994; Feb. 28.
 Surgical corsets and belts, orthopaedic appliances. Reinhold Schumann, Inc. No. 148,760; Feb. 28.
 Tanning extracts. New York Quebracho Extract Company. No. 156,012; Feb. 28.
 Tents, awnings, paulins, tarpaulins, and detached waterproof wagon covers. Clifton Mfg. Company. No. 148,717; Feb. 28.
 Teeth, Alloy for the restoration of broken down. J. C. Schwartz. No. 156,028; Feb. 28.
 Thread and yarn. Flock Manufacturing Company. No. 155,745; Feb. 28.
 Threads, Artificial silk. Brainerd & Armstrong Company. No. 143,634; Feb. 28.
 Tire pumps. J. A. Strimple. No. 153,262; Feb. 28.
 Tires and tubes for vehicles, Rubber or rubber and fabric. Racine Rubber Company. No. 148,951; Feb. 28.
 Tires for automobiles, Rubber. Tuscan Tire & Rubber Company. No. 130,762; Feb. 28.
 Tires, Rubber. B. Lichtig & Son Inc. No. 155,179; Feb. 28.
 Tobacco and cigarettes, Smoking. British-American Tobacco Company Ltd. No. 157,249; Feb. 28.
 Tobacco, cigarettes, cigars, and snuff, Smoking. Gallaher Ltd. Nos. 147,508-11; Feb. 28.
 Tobacco, cigars, and cigarettes, Smoking and chewing. John Sinclair Ltd. No. 134,607; Feb. 28.
 Toilet powders and compacts. A. Bourjois & Co. No. 155,800; Feb. 28.
 Toilet preparation. Lehmann & Böhne. No. 156,053; Feb. 28.
 Toilet preparations, quinine hair dressing, coconut quinine shampoo, etc. F. E. Hinkle. No. 145,628; Feb. 28.
 Toilet waters and creams, almond face powder, etc. Crown Supply Company. No. 146,869; Feb. 28.
 Tonic, System. Dr. Peter Fahrney & Sons Co. No. 154,868; Feb. 28.
 Tonics and blood building preparations. Reinschild Chemical Co. No. 155,321; Feb. 28.
 Vacuum cleaners, Nonelectric. American Brush Company. No. 155,850; Feb. 28.
 Valves, steam separators, and pipe fittings. National Valve & Manufacturing Company. No. 155,183; Feb. 28.
 Veils and veillings and nettings in the piece. Van Raalte Company. No. 147,540; Feb. 28.
 Vibrators and shower sprays, and electric violet-ray appliances, Electric massage. Fitzgerald Mfg. Company. No. 154,871; Feb. 28.
 Viscose, a hydrocarbon composition. Midwest Steel & Supply Company. Nos. 154,607-8; Feb. 28.
 Wax dressing, Improved sanitary. W. H. & F. Jordan, Jr. Mfg. Co. No. 152,894; Feb. 28.
 Weather and water proof coatings in liquid and paint-like form. Heppes-Nelson Roofing Company. No. 145,509; Feb. 28.
 Wire-rope aerial tramways and parts thereof, etc. American Steel & Wire Company of New Jersey. No. 156,137; Feb. 28.
 Woodman's tools. Romer Axe and Tool Company. No. 153,520; Feb. 28.
 Wrappers, Fruit and vegetable. United Paper Company. No. 156,423; Feb. 28.
 Wrappers on waxed lunch rolls. Robertson Paper Co. No. 151,187; Feb. 28.
 Wronches, Keystone Mfg. Co. No. 155,893; Feb. 28.
 Yarns and acetylcellulose thread, Fancy. Grasselli Chemical Company. No. 156,378; Feb. 28.
 Yarns, warps, flosses, threads, and tinsel products. J. R. Montgomery Company. No. 147,971; Feb. 28.
 Yarns, Worsted, woolen, silk, and silk and wool mixed. James Lees and Sons Company. No. 157,893; Feb. 28.
 Yeast products. C. G. Kummerlander. No. 154,878; Feb. 28.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 28, 1922.

NOTE.—First number=class, second number=subclass, third number=patent number.

1— 8.2: 1,408,336	29— 102: 1,408,205	58— 52: 1,408,366	87— 12: 1,407,930	123— 122: 1,407,850	164— 61: 1,408,616
15: 1,407,859	155.5: 1,407,776	121: 1,408,274	88— 17: 1,408,203	195: 1,408,179	1,408,415
2— 15: 1,407,827	157: 1,408,390	38: 1,407,866	18: 1,407,905	125— 11: 1,407,954	81: 1,407,780
73: 1,408,139	161: 1,407,960	59: 1,408,069	24: 1,408,027	32: 1,408,176	88: 1,407,699
64: 1,408,151	164: 1,407,886	62— 159: 1,407,903	28: 1,407,906	126— 1: 1,407,768	120: 1,407,830
104: 1,408,070	169: 1,408,330	64— 8: 1,408,421	164: 1,407,875	36: 1,407,715	166— 21: 1,407,873
122: 1,408,373	174: 1,407,704	18: 1,408,138	89— 10: 1,408,137	92: 1,407,750	167— 7: 1,408,170
149: 1,408,349	30— 1: 1,407,748	49: 1,408,266	90— 13.2: 1,408,166	214: 1,408,235	9: 1,408,384
188: 1,407,705	12: 1,408,355	91: 1,408,041	16: 1,407,820	286: 1,407,802	171— 34: 1,408,071
3— 9: 1,408,157	31— 65: 1,407,759	65— 10: 1,408,368	91— 46: 1,407,729	288: 1,408,204	1,408,119
4— 1: 1,408,402	101: 1,408,036	66— 7: 1,408,250	54.4: 1,408,201	297: 1,408,223	1,408,255
19: 1,407,872	1,408,326	9: 1,407,731	67.1: 1,407,949	344: 1,408,198	119: 1,408,040
24: 1,408,239	32— 10: 1,407,840	6.1: 1,408,288	68: 1,408,061	358: 1,408,328	172— 240: 1,407,804
5— 5: 1,408,015	12: 1,408,006	23: 1,407,801	93— 36: 1,407,864	127— 9: 1,407,701	1,407,958
41: 1,408,269	33— 25: 1,408,045	68— 10: 1,407,821	97— 10: 1,407,862	129— 1: 1,407,863	281: 1,408,118
51: 1,408,013	32: 1,407,736	70— 47: 1,407,868	23: 1,408,031	130— 5: 1,408,304	293: 1,408,211
1,408,014	41: 1,407,738	74: 1,407,755	51: 1,408,404	9: 1,408,135	173— 324: 1,407,937
55: 1,408,245	55: 1,408,276	79: 1,407,807	100— 57: 1,408,153	18: 1,408,199	175— 183: 1,407,983
1: 1,408,296	79: 1,408,252	1,407,808	101— 18: 1,407,769	131— 12: 1,408,251	1,407,887
1,408,297	94: 1,408,085	1,407,809	111: 1,408,389	132— 8: 1,408,318	103: 1,407,761
1,408,363	134: 1,407,813	1,407,810	127: 1,408,315	13: 1,408,262	18: 1,407,985
1,408,406	137: 1,408,347	1,407,811	130: 1,408,314	33: 1,408,146	27: 1,408,125
19: 1,408,083	143: 1,407,803	1,407,812	150: 1,408,313	41: 1,407,981	58: 1,407,892
4: 1,408,130	168: 1,407,833	1,407,813	218: 1,408,067	1,408,131	101: 1,407,726
26: 1,408,129	180: 1,408,024	1,407,814	327: 1,408,207	1,408,247	170: 1,408,046
136: 1,407,723	189: 1,408,098	1,407,815	368: 1,408,312	134— 1: 1,408,224	175: 1,407,983
142: 1,408,043	220: 1,408,110	1,407,816	102— 29: 1,408,148	17.5: 1,407,995	180— 9.2: 1,407,969
1,408,265	34— 26: 1,407,961	1,407,817	103— 44: 1,408,292	20: 1,407,773	1,407,971
14: 1,408,331	46: 1,407,786	1,407,818	1,408,380	26: 1,408,325	14: 1,407,843
25: 1,407,956	36— 11.5: 1,407,992	1,407,819	1,408,381	39: 1,408,091	43: 1,407,911
37: 1,407,913	63: 1,408,388	90: 1,408,133	67: 1,407,885	56: 1,407,952	77: 1,408,231
60: 1,408,074	71: 1,408,267	126: 1,408,357	78: 1,408,092	79: 1,408,035	1,408,286
59: 1,408,186	37— 19: 1,408,080	127: 1,408,237	104— 33: 1,408,219	1,408,423	1,408,416
70: 1,408,338	25: 1,408,299	128: 1,408,225	44: 1,408,379	137— 75: 1,407,791	89: 1,408,116
128: 1,407,941	59: 1,407,947	71— 9: 1,408,064	252: 1,408,088	78: 1,407,993	182— 12: 1,407,697
152: 1,407,739	63: 1,407,895	1,408,169	105— 4: 1,408,167	92: 1,408,233	183— 30: 1,407,968
1,407,740	7: 1,408,008	1,408,287	14: 1,408,334	104: 1,408,072	184— 54: 1,408,180
163: 1,407,790	40— 16: 1,408,059	127: 1,407,772	154: 1,408,248	1,408,192	1,408,181
30: 1,408,372	21: 1,407,735	128: 1,408,301	171: 1,408,371	111: 1,408,375	95: 1,408,229
18— 1: 1,407,757	42: 1,408,352	51: 1,408,159	194: 1,408,321	140: 1,408,049	104: 1,407,775
8: 1,408,350	125: 1,407,896	52: 1,408,259	258: 1,408,214	85: 1,408,171	45: 1,408,365
17: 1,408,189	1,408,079	82: 1,408,218	366: 1,408,413	140— 109: 1,407,898	188— 8: 1,407,888
18: 1,407,771	132: 1,407,805	112: 1,407,841	406: 1,407,824	142— 1: 1,407,724	65: 1,408,273
1,408,382	1,407,874	7: 1,407,713	410: 1,408,234	15: 1,407,727	75: 1,407,777
19: 1,407,980	133: 1,407,826	1,408,152	410: 1,408,234	1,407,728	187: 1,407,781
35: 1,407,979	140: 1,407,944	21: 1,407,834	24: 1,408,401	143— 17: 1,408,294	189— 29: 1,408,332
42: 1,408,100	143: 1,408,210	27: 1,407,883	36.1: 1,408,035	144— 291: 1,408,021	31: 1,408,007
45: 1,407,718	151: 1,407,721	34: 1,407,899	37: 1,408,095	306: 1,407,743	47: 1,408,302
48: 1,408,241	41— 3: 1,407,950	39: 1,407,690	40: 1,407,696	145— 47: 1,407,955	56: 1,408,076
56: 1,407,839	42— 3: 1,407,959	50: 1,407,890	56: 1,408,019	146— 6: 1,408,051	60: 1,407,856
61: 1,408,343	43— 61: 1,407,909	54: 1,407,881	59: 1,408,220	9: 1,408,303	65: 1,407,921
62: 1,407,984	69: 1,407,744	1,408,289	50: 1,408,075	30: 1,407,951	92: 1,407,920
141: 1,408,327	105: 1,407,744	56: 1,407,924	171: 1,407,847	151— 30: 1,407,779	190— 19: 1,408,409
13: 1,408,217	142: 1,408,030	79: 1,407,904	204: 1,407,849	152— 1: 1,407,967	191— 29: 1,408,158
40: 1,407,975	1: 1,407,700	81: 1,407,732	242: 1,408,185	5: 1,407,730	43: 1,408,048
68: 1,407,966	2: 1,407,948	89: 1,407,716	113— 1: 1,407,977	1,407,756	99: 1,407,940
22— 29: 1,407,902	31: 1,408,398	99: 1,407,703	33: 1,408,232	11.5: 1,408,012	116: 1,407,908
36: 1,408,292	32: 1,408,283	105: 1,408,020	38: 1,407,869	14: 1,407,711	55: 1,407,923
188: 1,407,774	75: 1,408,359	108: 1,408,066	114— 63: 1,408,270	1,407,741	85: 1,408,112
21: 1,408,105	105: 1,408,370	109: 1,407,714	238: 1,408,147	1,408,004	194— 24: 1,408,200
24: 1,408,320	118: 1,408,284	1,408,034	11: 1,408,178	1,407,832	196— 25: 1,408,242
11: 1,408,084	40: 1,407,825	1,408,087	36: 1,408,377	153— 16: 1,408,106	26: 1,407,770
66: 1,407,720	1,408,017	101: 1,407,837	47: 1,407,831	38: 1,408,023	197— 112: 1,407,982
68: 1,407,753	41: 1,407,836	114: 1,407,894	53: 1,407,822	65: 1,407,891	114: 1,408,009
81: 1,408,290	1,408,412	61: 1,408,042	54: 1,408,335	154— 9: 1,408,099	126: 1,407,931
90: 1,407,945	56: 1,408,317	81— 3.1: 1,407,702	109: 1,408,022	45.9: 1,407,747	1,407,932
123: 1,408,212	37: 1,408,065	3.3: 1,408,184	124: 1,407,848	155— 128: 1,408,253	1,407,933
126: 1,408,144	47— 64: 1,407,689	58: 1,407,860	143: 1,408,346	167: 1,408,253	1,407,934
136: 1,408,230	48— 49: 1,407,943	91: 1,407,691	21: 1,407,793	191: 1,408,114	1,407,935
156: 1,408,206	107: 1,408,278	113: 1,408,275	117— 21: 1,407,793	156— 24: 1,407,823	1,408,345
191: 1,408,028	1: 1,408,000	145: 1,408,143	118— 11: 1,408,324	1,407,877	139: 1,408,003
197: 1,407,733	49— 11: 1,407,844	1,408,078	119— 73: 1,407,988	36: 1,407,991	198— 37: 1,408,411
206: 1,408,309	50— 29: 1,408,254	1,408,358	106: 1,408,123	44: 1,408,424	200— 44: 1,408,295
218: 1,408,354	51— 80: 1,408,298	12: 1,408,305	134: 1,408,018	5: 1,408,052	63: 1,408,177
1,408,073	277: 1,408,339	34: 1,408,280	150: 1,408,294	27.4: 1,408,194	82: 1,408,221
1,408,311	52— 1: 1,408,056	83— 11: 1,408,055	20: 1,407,989	36: 1,408,165	106: 1,408,108
237: 1,407,797	3: 1,407,767	82: 1,408,154	7: 1,407,717	1,408,208	117: 1,407,785
25— 78: 1,408,310	53— 1: 1,408,356	85— 2.4: 1,407,752	360: 1,408,244	1,408,322	122: 1,408,307
101: 1,407,846	7: 1,408,256	17: 1,407,709	392: 1,408,369	46.5: 1,407,798	132: 1,407,706
131: 1,408,246	56— 294: 1,407,962	23: 1,407,893	77: 1,408,422	1,407,799	138: 1,408,168
131.5: 1,407,737	57— 116: 1,408,209	6: 1,407,965	101: 1,408,329	1,407,800	151: 1,407,852
1: 1,408,156			108: 1,407,694	1,408,322	159: 1,408,097
5: 1,408,063				46.5: 1,407,798	5: 1,407,996
84: 1,408,047				87: 1,408,271	
88.2: 1,408,039				99: 1,407,871	
96: 1,407,764				161— 15: 1,408,050	
				164— 49: 1,407,712	

204—	5: R. 15, 297	214—	77: 1,408,002	226—	80: 1,407,901	242—	69: 1,407,784	265—	54: 1,408,038	292—	76: 1,408,316
	9: 1,408,364		95: 1,408,136		84: 1,408,127		70: 1,408,425		68: 1,408,264		185: 1,407,884
	19: 1,408,141	215—	17: 1,408,376		31: 1,408,354		95: 1,408,323	267—	4: 1,407,917		207: 1,408,240
	1,408,142	217—	5: 1,408,200	230—	11: 1,407,889		96: 1,408,261		17: 1,407,745		265: 1,408,236
	53: 1,408,140		7: 1,407,857		31: 1,408,188		161: 1,408,202		20: 1,408,124		332: 1,407,758
	61: 1,408,406		36: 1,407,853	232—	42: 1,408,195		12: 1,408,001		41: 1,407,914	293—	25: 1,407,881
	1,408,418		122: 1,408,011	234—	21: 1,408,393	244—	21: 1,408,062		1,407,915		41: 1,408,362
206—	9: 1,408,191		123: 1,408,367		34: 1,407,806		25: 1,408,115		1,407,916		55: 1,407,783
	21: 1,407,746	219—	8: 1,407,900	235—	91: 1,408,348	246—	121: 1,408,190		1,408,300		1,407,835
208—	158: 1,408,029		10: 1,407,794		95: 1,407,986		174: 1,408,257		48: 1,408,394		1,408,117
	165: 1,407,879		19: 1,407,692	236—	12: 1,408,120		186: 1,408,025		52: 1,408,005		1,408,193
210—	43: 1,407,762		21: 1,408,196		26: 1,407,963		199: 1,407,742		54: 1,407,942	294—	68: 1,408,383
	56: 1,407,936		28: 1,407,722		62: 1,408,121		273: 1,407,778	268—	1: 1,408,174		102: 1,407,867
	62: 1,407,763		35: 1,408,308	238—	2: 1,408,134		323: 1,408,333		4: 1,407,828		1,407,878
	133: 1,408,228		37: 1,408,268		51: 1,408,058	250—	27: 1,408,053		41: R. 15, 293		124: 1,408,342
	197: 1,408,279		38: 1,407,725		262: 1,408,374		107: 1,407,998		89: 1,408,419	296—	97: 1,408,386
211—	6: 1,408,054		63: 1,407,918		291: 1,407,865		109: 1,408,340	274—	25: 1,407,928		128: 1,408,160
	8: 1,407,842		67: 1,408,183		294: 1,407,999	252—	1,407,749		35: 1,408,150		1,408,161
	14: 1,407,912	220—	6: 1,408,392		298: 1,408,319	253—	5: 1,408,094		38: 1,408,337	297—	3: 1,408,122
	1,408,157		32: 1,408,387		339: 1,408,395		188: 1,408,291	277—	55: 1,408,353	298—	24: 1,407,698
	16: 1,408,096		55: 1,407,858	240—	369: 1,408,391	254—	24: 1,408,361	278—	19: 1,408,420	299—	24: 1,407,788
	24: 1,408,128		1,408,082		1: 1,408,109		26: 1,408,162	279—	38: 1,408,182		71: 1,408,077
	27: 1,407,845		62: 1,408,026		2: 1,407,751		65: 1,407,707		53: 1,407,760	301—	17: 1,407,787
212—	34: 1,407,792		71: 1,408,215		7: 1,408,104		88: 1,408,408	280—	22: 1,407,974		27: 1,408,172
	38: 1,408,262		83: 1,407,688		1,408,149		104: 1,407,719		33.1: 1,408,101		1,408,173
	65: 1,407,855	221—	60: 1,407,997		1,407,897	255—	35: 1,407,880		1,408,102		32: 1,408,164
213—	89: R. 15, 295		100: 1,408,282		1,408,149		61: 1,407,927		53: 1,408,400		1,408,165
	40: 1,408,351		101: 1,407,752	48.4: 1,408,306		256—	35: 1,408,132		54: 1,407,690		44: 1,408,090
	42: 1,407,976		124: 1,407,795	62: 1,407,766		257—	130: 1,407,929		59: 1,408,227		1,408,285
	1,407,978		1,407,796		1,408,068	259—	24: 1,408,033	179: 1,407,946			51: 1,408,238
	59: 1,407,925	223—	53: 1,408,093		92: 1,407,910		122: 1,407,789	282—	21: 1,407,907		63: 1,408,258
	64: 1,407,882		29: 1,407,994		115: 1,407,876	263—	19: 1,408,086	283—	23: 1,408,175		67: 1,407,829
	65: 1,407,939	224—	23: 1,408,397	241—	8: 1,408,281		44: 1,407,708		34: 1,408,417	303—	6: 1,408,111
	67: 1,408,057		26: 1,407,838		19: 1,408,216		3: 1,407,957		60: 1,408,103	305—	9: 1,407,964
	1,408,081	225—	27: 1,408,272	242—	43.6: 1,407,754	264—	1: 1,407,987	285—	34: 1,407,734		1,407,970
	1,408,107				55: 1,408,249	265—	46: 1,407,851		58: 1,408,378		1,407,972
214—	52: 1,407,926	226—			68: 1,408,126			287—	100: 1,408,213		1,407,973



